

Project Name: RFP# 24-57 - Ann Arbor Fire Station #4
A3C Project No: 21018

ADDENDUM #2

Date: 11/22/2024

Owner: City of Ann Arbor Fire Department
111 North Fifth Ave.
Ann Arbor, MI 48104-1405

Architect: A3C - Collaborative Architecture
115 1/2 E. Liberty
Ann Arbor, MI 48104

This addendum modifies, corrects and/or supplements the drawings and specifications for the project, and is hereby made a part of the contract documents. All bidding contractors shall note all changes in the work represented in this Addendum, and include said changes in their bid. The bidding contractors shall acknowledge receipt and implementation of this Addendum into their bids on the Bid Form, as contained within the Project Manual.

Unless otherwise noted, all materials, workmanship, and services shall be the same as called for in the original documents. Where changes are made in construction, such changes shall take into account the work of all required adjustments made necessary by such changes, whether or not each and every item is specifically enumerated.

Supplements:

Supplemental Drawings G0.02, C-2.0, C-3.0, C-6.1, M3.01, M3.02, M6.01, E0.03, E5.02 and E7.04 as well as traffic signal drawings 01-06, dated as being revised November 22, 2024, are attached to supplement this Addendum.

Supplemental Specifications 265700, dated as being revised November 22, 2024, are attached to and supplement this Addendum.

Supplemental answers to questions received during bidding (see below).

Architectural Drawing Clarifications:

Item 1: Revise Drawing G0.02 – Sheet Index, as follows:
a. Revised drawing index for Addendum #2.

Civil Drawing Clarifications:

Item 1: Revise Drawing C-2.0 – Demolition Plan, as follows:
a. Added note to protect existing gas structure.
b. Added Caution note for underground gas piping.
c. Revised note concerning existing water main connection to include the requirement to follow the City Standards.

- Item 2: d. Added note to protect existing fire hydrant assembly.
Revise Drawing C-3.0 – Overall Dimensional Layout Plan, as follows:
a. Added note calling out concrete curb and gutter.
b. Added note referring to building overhang.
c. Added notes referring to the curb taper and the drive entrance.
d. Revised note regarding traffic signal.
- Item 3: Revise Drawing C-6.1 – Sanitary Sewer and Water Main Plan & Profile, as follows:
a. Revised connection to water main to be 20"x6" Tee rather than tapping sleeve and well.
b. Added note indicating that the 4" domestic water service valve and 6" fire protection service valve will be in a box.
c. Revised the water main piping for the domestic service and fire protection lead to ductile iron with polywrap.
d. Added note indicating the sanitary sewer will be installed using City of Ann Arbor Utility Trench – Type 2.

Mechanical Drawing Clarifications:

- Item 1: Revise Drawing M3.01 – First Level HVAC Piping Plan, as follows:
a. Move geothermal field isolation valves, flushing valves, and bypass valve to Level 2. Extend geothermal piping as required.
b. Revise and add keynotes to accommodate revised geothermal piping.
- Item 2: Revise Drawing M3.02 – Second Level HVAC Piping Plan, as follows:
a. Move geothermal field isolation valves, flushing valves, and bypass valve to Level 2. Extend geothermal piping as required.
b. Revise and add keynotes to accommodate revised geothermal piping.
- Item 3: Revise Drawing M6.01 – Mechanical Details, as follows:
a. Revise size of flushing valves on geothermal diagram.
b. Clarify location of valves on geothermal diagram.

Electrical Drawing Clarifications:

- Item 1: Revise Drawing E0.03 – Electrical Site Plan, as follows:
a. Added fixture type OL5, associated circuit, and associated control requirements.
- Item 2: Revise Drawing E5.02 – Panel Schedules, as follows:
a. Added site lighting circuits to RP-B.
- Item 3: Revise Drawing E7.04 – Electrical Details and Diagrams, as follows:
a. Added lighting pole base detail.
b. Added type OL5 to exterior luminaire schedule.
c. Revised color temperature to all exterior lighting fixtures.

Electrical Specification Clarifications (attached to write-up):

- Item 1: Revise specification section 265700 – Luminaire Product Data
- a. Revised color temperature for exterior fixtures to be 3000K or less.
 - b. Added fixture type OL5.

Traffic Signal Clarifications (new drawings issued):

- Item 1: Added traffic signal drawings (11x17) – drawings 01, 02, 03, 04, 05 & 06

Bidding Question Clarifications:

- Item 1: Question – please provide a specification for Door 130B.
Answer – it was issued in the Bid/Permit set under 083513.13 Accordion Folding Doors. The basis of design is the NanaWall system.
- Item 2: Question – On sheet S5.05, there are several details that show a sprayed-on fireproofing on the beams. However, nowhere in the code requirements or specifications does it call out spray applied fireproofing on the steel. Just wanted to see if you could confirm if these are just typical details that don't apply to this project, or if we need fireproofing?
Answer – No, fireproofing is required on the steel beams per sheet S5.05. Disregard all fireproofing on steel on all details on sheet S5.05.

End of Addendum #2



DIGITAL NAVIGATION

Ordering Tree nLight Platform Sensor Switch JOT Photometrics Performance Data

FEATURES & SPECIFICATIONS

INTENDED USE — The BLT Best-in-Value Low Profile LED luminaire features a popular center basket design that offers a clean, versatile style and volumetric distribution. High efficacy LED light engines deliver energy savings and low maintenance compared to traditional sources. An extensive selection of configurations and options make the BLT the perfect choice for many lighting applications including schools, offices and other commercial spaces, retail, hospitals and healthcare facilities. The low profile BLT design (2-3/8") also makes it an excellent choice for renovation projects.

CONSTRUCTION — Prior to fabrication, BLT components are coated with a proprietary paint blend and die-formed for dimensional consistency.

The BLT reflector is available in both smooth and ribbed finishes. Choose RB from the fixture style section below for a ribbed finish.

End plates contain easy-to-position integral T-bar clips for securely attaching the luminaire to the T-grid. For additional T-grid security, optional screw on T-bar clips are available.

Diffusers are extruded from impact modified acrylic for increased durability.

LED boards and drivers are accessible from the plenum.

OPTICS — Volumetric illumination is achieved by creating an optimal mix of light to walls, partitions and vertical and horizontal work surfaces — rendering the interior space, objects and occupants in a more balanced, complimentary luminous environment. High performance extruded acrylic diffusers conceal LEDs and efficiently deliver light in a volumetric distribution. Four diffuser choices available - curved and square designs with ribbed or a smooth frosted finish.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000). Color Variation within 3-step MacAdam ellipse (3SDCM).

Non-Configurable BLT: Generic 0-10 volt dimming driver. Dims to 10%

Configurable BLT: available in High Efficiency (HE) versions for applications where a lower wattage (over the standard product) is required. The High Efficiency versions deliver >130 LPW and can be specified via the Lumen Package designations in the Ordering Information below.

eldoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Optional integrated nLight™ controls make each luminaire addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Connection to nLight is simple. It can be accomplished with integrated nLight AIR wireless RIO, RES7 sensors, or through standard Cat-5 cabling. nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission. nLight AIR is commissioned easily through an intuitive mobile app.

Lumen Management: Unique lumen management system (option N80) provides on board intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

SENSOR — **Integrated sensor (individual control):** Sensor Switch MSD7ADCX ((Passive infrared (PIR)) or MSDPDT7ADCX ((PIR/Microphonics Dual Tech (PDT)) integrated occupancy sensor/automatic dimming photocell allows the luminaire to power off when the space is unoccupied or enough ambient light is entering the space. See page 4 for more details on the integrated sensor.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. See page 4 for the nLight sensor options.

Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or a microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLARITY, which allows for simple sensor adjustment. See page 4 for more details on the Integrated Smart Sensor.

Integrated Wireless Sensor (single room control): Sensor Switch VERTEX JOT or JOTVTK15 luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space. See page X for more details on the integrated wireless sensor.

INSTALLATION — The BLT's low profile design of only 2-3/8" provides increased installation flexibility especially in restrictive plenum applications. The BLT fits into standard 15/16" and narrow 9/16" T-grid ceiling systems. Suitable for damp location.

For recessed mounting in hard ceiling applications, Drywall Grid Adapters (DGA) are available as an accessory. See Accessories section.

LISTINGS — CSA Certified to meet U.S. and Canadian standards. IC rated. Tested in accordance with ISO 14644-1; suitable for ISO Class 5-9 positive and negative pressure clean rooms.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

TYPE L1A

Catalog Number	
Notes	PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.
Type	

BLT Series LED



2BLT4

ADP Diffuser Option

2' x 4' LED



Ribbed Reflector Option



Specifications

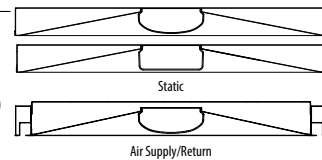
Length: 47-3/4 (121.2)

Width: 23-3/4 (60.3)

Depth: 2-3/8 (6.0)

Depth with Air supply/return: 2-3/4 (6.9)

All dimensions are inches (centimeters) unless otherwise specified.



Embed nLight controls today. Prepare for tomorrow.

Now

- User-friendly install
- Enhanced energy savings
- Code compliance

Tomorrow

- Scalability
- Space configuration
- Future-ready

Capable Luminaire


This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background***
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

2BLT Volumetric Recessed Lighting 2'x4'

 A+ Capable options indicated by this color background.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 2BLT4 40L ADP EZ1 LP840

Series	Fixture Style	Air function	Lumens ‡	Diffuser	Voltage	Driver	Color temperature	
2BLT4 2x4 BLT	(blank) Smooth Reflector RB Ribbed Reflector	(blank) Static A Air supply/return ‡	Standard efficiency (>100 LPW) 30L 3000 40L 4000 48L 4800 60L 6000 72L 7200 85L 8500 100L 10000 120L 12000	High efficiency ‡ (>130 LPW) 30LHE 3000 40LHE 4000 48LHE 4800 60LHE 6000 72LHE 7200 85LHE 8500	ADP Curved, ribbed ADSM Curved, smooth SDP Square, ribbed SDSM Square, smooth Includes trim rings to match sensed version ADPT Curved, ribbed ADSMT Curved, smooth SDPT Square, ribbed SDSMT Square, smooth	(blank) MVOLT 120 120V 277 277V 347 347V ‡	EZ1 eldoLED dims to 1% (0-10 volt dimming) GZ1 Dims to 1% (0-10V dimming) ‡ GZ10 Dims to 10% (0-10V dimming) ‡ SLD Step-level dimming ‡	LP830 82CRI, 3000 K LP835 82CRI, 3500 K LP840 82CRI, 4000 K LP850 82CRI, 5000 K LP930 90CRI, 3000K LP935 90CRI, 3500K LP940 90CRI, 4000K LP950 90CRI, 5000K

nLight Interface	Control ‡	Individual Control
nLight Wired (blank) no nLight® interface N80 nLight with 80% lumen management N80EMG nLight with 80% lumen management For use with generator supply EM power ‡ N100 nLight without lumen management N100EMG nLight without lumen management For use with generator supply EM power ‡ nLight Wireless (blank) no nLight® interface NLTAIR2 nLight AIR Generation 2 enabled ‡	nLight Wired ‡ (blank) No sensor control NES7 nLight™ nES 7 PIR integral occupancy sensor NESPD7 nLight™ nES PDT 7 dual technology integral occupancy control NES7ADCX nLight™ nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell NESPD7ADCX nLight™ nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell nLight Wireless RES7 nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities RES7PDT nLight AIR microphonics dual technology occupancy sensor with automatic dimming photocell RIO nLight AIR radio module without sensor RES7EM nLight AIR PIR integral occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection ‡ RES7PDTEM nLight AIR microphonics dual technology occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection ‡ RIOEM nLight AIR radio module less sensor, with UL924 Emergency Operation, via power interrupt detection ‡	Individual Control MSD7ADCX PIR integral occupancy sensor with automatic dimming control photocell ‡ MSDPD7ADCX PDT integral occupancy sensor with automatic dimming control photocell ‡ JOT Wireless room control with "Just One Touch" pairing ‡ JOTVTX15 Wireless occupancy sensor with "Just One Touch" pairing ‡

Standby Mode	Options
NOC NOC Occupancy sensor disabled ‡	BDP Disconnect Plug EL7L 700 lumen battery pack (Noncompliant with CA T20) ‡ EL14L 1400 lumen battery pack (Noncompliant with CA T20) ‡ EL14LSD 1400 lumen battery pack with self-diagnostic testing feature (Noncompliant with CA T20) ‡ E10WLCPEM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ‡ CP Chicago plenum ‡ BGD Bodine Generator Transfer Device ‡ PWS1836 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit PWS1846 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit PWS1846 PWSLV Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge ‡ PWS1856LV 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage wires ‡ GLR Fast-blowing fuse ‡ GMF Slow-blowing fuse ‡ NPLT Narrow pallet RRL_ RELOC®-ready luminaire ‡ LATC Earthquake clip DWAM Anti-Microbial paint JP14 Job packaging ‡ JP18 Job packaging ‡ IPSX Gasketed diffuser compartment to meet IP5X rating ‡ BAA Buy America(n) Act Compliant

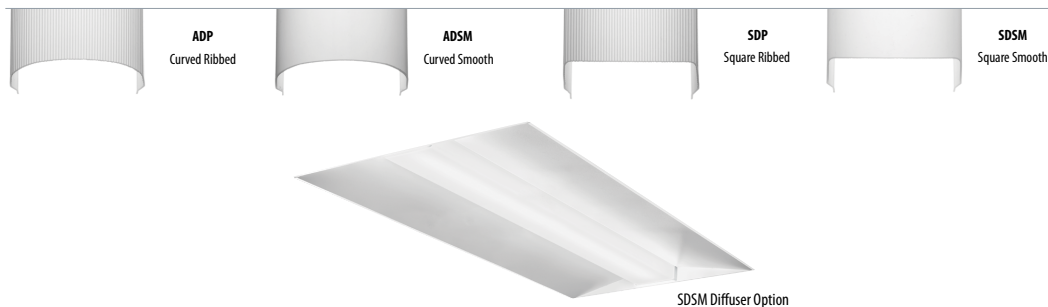
NOTE: ‡ indicates option value has ordering restrictions. Please reference the Option Value Ordering Restrictions chart on the next page. Options are sorted alphabetically.

ELECTRICAL CONTRACTOR TO DETERMINE APPROPRIATE MOUNTING HARDWARE & ACCESSORIES

2BLT Volumetric Recessed Lighting 2'x4'

‡ Option Value Ordering Restrictions	
Option value	Restriction
347	Not available with SLD, EL7L, EL14L, or E10WLCP options.
A	Not available with RB fixture style, consult factory for air flow data.
BGTD	Not available with TD, JOT, JOTVTX15 sensor options or emergency battery options. Must specify voltage. Requires BSE labeling, voltage specific. Consult factory for options. Example: BGTD BSE10.
Controls	Must specify diffuser with trim rings.
CP	Not available with N80, N80EMG, N100, or N100EMG.
GZ1, GZ10	Not available with any Control or Sensor options except JOT & JOTVTX15
EL14LSD, E10WLCP, EL7L, EL14L	When using pre-wire option, use PWS1846 or PWS1846 PWSLV. For more information, please see the PSSD2 specification sheet .
FAO	EZ1 driver required. Not available with USPOM, FAO or lumen packages > 6000LM. FAO restricts use of external Dimming controls. See chart on page 3 for additional details.
GLR, GMF	Must specify voltage. 120 or 277, with GLR and GMF fusing.
IP5X	Not available with air supply/return or Wired Networking (NES_) and Individual Control (MSD_) sensors.
JOT, JOTVTX15	Not available with standard efficiency 85L, 100L or 120L lumen options. Not available with SLD, nLight, NLTAIR2, NOC, or BGTD options.
JP14	Only available on fixtures with NES7, NESPDT7, NESPDT7ADCX, MSD7ADCX, MSDPDT7ADCX, RES7, RES7PDT, RIO, JOT, JOTVTX15. Not available when air supply/return function and sensor options are combined.
JP18	Not available with option: NES7, NESPDT7, NESPDT7ADCX, MSD7ADCX, MSDPDT7ADCX, RES7, RES7PDT, RIO, JOT, JOTVTX15.
Lumens	Approximate lumen output. For high Efficiency, all versions may not achieve 130+ LPW. Refer to photometry on www.acuitybrands.com . Air supply/return option, 90 CRI, and versions with integral sensor trim rings may not achieve 130 LPW.
MSD7ADCX, MSDPDT7ADCX	Only available with EZ1 driver option. 0-10v dimming wires not accessible via access plate.
NES7, NESPDT7, NES7ADCX, NESPDT7ADCX	Requires N80, N80EMG, N100, or N100EMG. Only available with EZ1 driver.
NLTAIR2	Must order with nLight Wireless option from Control section. Only available with EZ1 driver. Not available with 85L, 100L, or 120L options.
NOC	Can only be ordered in conjunction with EZ1, NLTAIR2, RES7/RES7PDT. Occupancy sensor disabled at factory but can be re-enabled upon commissioning.
N80EMG, N100EMG	nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled fixture.
RES7EM, RES7PDTEM, RIOEM	See UL924 Sequence of Operation chart on page 4. Not available with 72L, 72LHE, or 85LHE lumen packages.
RRL_	For ordering logic consult: RRL_2013 .
SLD	Not available with with any nLight Interface or Control options.

Multiple Diffuser Options



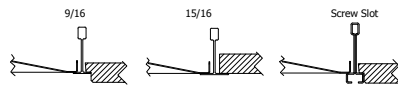
2BLT Volumetric Recessed Lighting 2'x4'

Non-Configurable BLT

Non-Configurable BLT								
Stock/MTO	Catalog Description *	UPC	Lumens	Wattage	LPW	Color Temperature	Voltage	Pallet Qty
Stock	2BLT4 40L ADP LP835	00190887470789	4000	31.69	126.22	3500K/82 CRI	120-277	28
	2BLT4 40L ADP LP840	00190887470765	4063	31.69	128.23	4000K/82CRI	120-277	28
	2BLT4 46L ADP LP835	00190887468656	4960	38	130.5	3500K/82 CRI	120-277	28
	2BLT4 46L ADP LP840	00190887468649	5039.18	38	132.58	4000K/82CRI	120-277	28
	2BLT4 40L ADP EL14L LP835	00190887470925	4000	31.69	126.22	3500K/82 CRI	120-277	28
	2BLT4 40L ADP EL14L LP840	00190887470918	4063	31.69	128.23	4000K/82 CRI	120-277	28
	2BLT4 46L ADP EL14L LP835	00190887468670	4960	38	130.5	3500K/82 CRI	120-277	28
	2BLT4 46L ADP EL14L LP840	00190887468663	5039.18	38	132.58	4000K/82 CRI	120-277	28

*Generic 0-10V Dimming to 10%.

MOUNTING DATA	
Ceiling Type	Appropriate Trim Type
Exposed grid tee (1' and 9/16")	G
Concealed grid tee	G
Plaster or plasterboard	G*



*DGA accessory available to provide ceiling trim flange and fixture support for plaster or plasterboard ceiling. Recommended rough-in dimensions for DGA installation is 24-3/4" x 24-3/4" (Tolerance is +1/8", -0").

UL924 Sequence of Operation

For 90 minutes following any complete AC power interruption >200 ms:

- Digital dimming is commanded to high end trim level.
- Device ignores wireless lighting control commands.

Accessories & Replacement Parts

Accessories: Order as separate catalog number.	
DGA24	Drywall grid adapter for 2x4 recessed fixture
2X4SMKSH PAF	Surface Mount Troffer Kit Post Paint
RK8BDP 2P U	Disconnect Plug (BDP), 2 Pole, Package of 1
RK8BDP 3P U	Disconnect Plug (BDP), 3 Pole, Package of 1
RK8BDP 2P J10	Disconnect Plug (BDP), 2 Pole, Package of 10
RK8BDP 2P J40	Disconnect Plug (BDP), 2 Pole, Package of 40

Replacement Parts: Order as separate catalog number.		
*249P2N	2DBLT48 ADP LENS ASSEMBLY	4 ft. replacement lens
*249P2T	2DBLT48 SDP LENS ASSEMBLY	4 ft. replacement lens
*249P30	2DBLT48 ADSM LENS ASSEMBLY	4 ft. replacement lens
*249P33	2DBLT48 SDSM LENS ASSEMBLY	4 ft. replacement lens
*237LT2	2DBLT48 ADPT LENS ASSEMBLY	4 ft. replacement lens
*237LT4	2DBLT48 SDPT LENS ASSEMBLY	4 ft. replacement lens
*237LT6	2DBLT48 ADSMT LENS ASSEMBLY	4 ft. replacement lens
*237LT8	2DBLT48 SDSMT LENS ASSEMBLY	4 ft. replacement lens
*237LTA	2DBLT48 ADPT SENSOR LENS ASSEMBLY	4 ft. replacement lens
*237MS2	2DBLT48 SDPT SENSOR LENS ASSEMBLY	4 ft. replacement lens
*237M5A	2DBLT48 ADSMT SENSOR LENS ASSEMBLY	4 ft. replacement lens
*237M5L	2DBLT48 SDSMT SENSOR LENS ASSEMBLY	4 ft. replacement lens

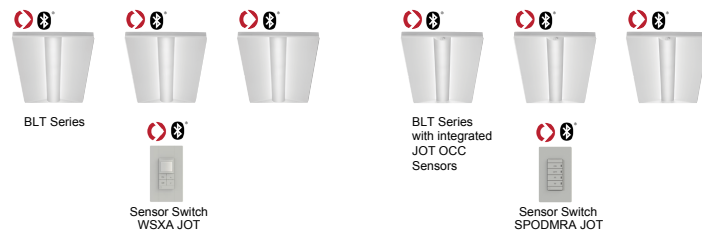
JOT Wireless



Sensor Switch JOT Enabled Wireless Solution

Designed with contractors in mind, the Sensor Switch JOT enabled wireless solution offers a straightforward approach to the installation and pairing of lighting fixtures and controls. Absolutely no 0-10V control wires and no mobile apps are needed with JOT enabled products, allowing for lightning speed installation right out of the box.

1. **Power:** Install JOT enabled fixtures and controls as instructed.
2. **Pair:** Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
3. **Play:** Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.



COMMERCIAL INDOOR: One Lithonia Way Conyers, GA 30012 Phone: 800-705-SERV (7378) www.lithonia.com

BLT-2X4

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2BLT Volumetric Recessed Lighting 2'x4'

nLight Platform

nLight embedded fixtures offer:	Customers get:
Manual Dimming	Convenience and visual comfort for occupants
Motion Sensing and/or Daylight Harvesting	Energy savings and code compliance
Fixture or Group Level Control	Ability to configure lighting to the space requirements
Flexibility	Ease of fixture moves, adds and changes
Wireless Wall Switch (nLight AIR Only)	Ease and flexibility of placement
Astronomical and Time of Day Scheduling	Energy savings and building security
Scalable Solution	nLight controls to grow with your business
Future-Ready	nLight platform to set foundation for future upgrades and capabilities

nLight Air Wireless



Simple as 1,2,3

1. Install the nLight[®] AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome



nLight Wired Networking



Simple as 1,2,3

1. Install the nLight[®] Wired fixtures with embedded control
2. Install the nLight Wired wall switch
3. Connect the fixtures using standard CAT5e cables and the devices will automatically discover each other and work (plug and play)



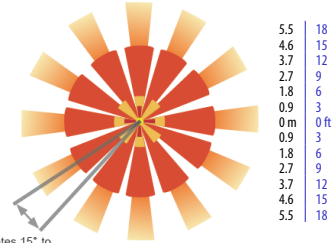
2BLT Volumetric Recessed Lighting 2'x4'

Sensor Options					
Option	Automatic Dimming Photocell	Occupancy Sensing		nLight Wired Networking	nLight AIR Networking
		PIR	PDT		
MSD7ADCX	X	X			
MSDPDT7ADCX	X		X		
NES7		X		X	
NES7ADCX	X	X		X	
NESPD7			X	X	
NESPD7ADCX	X		X	X	
RES7	X	X			X
RESPDT7	X	X	X		X

Sensor Coverage Pattern Mini 360° Lens

- Recommended for walking motion detection from mounting heights between 8 ft (2.44 m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m).
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74 m)
- Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor

9 FT Mounting



Integrated Sensor with Individual Control

The MSD7ADCX PIR occupancy sensor/automatic dimming photocell is ideal for areas without obstructions and where daylight harvesting may be desired. Suggested applications include, but not limited to, hallways, corridors, storage rooms, and breakrooms or other areas where people are typically moving.

The MSDPDT7ADCX PIR/Microphonics Dual Tech occupancy sensor/automatic dimming photocell is ideal for areas with obstructions and where daylight harvesting is desired. Suggested applications include, but not limited to, open offices, private offices, classrooms, public restrooms, and conference rooms.

nLight AIR Wireless

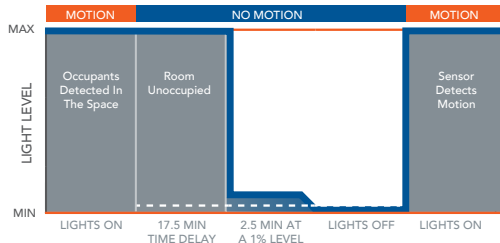
nLight AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and nLight AIR is available with or without an integral sensor. The integrated rES7 or rES7PDT smart sensors are part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application.

nLight Wired Networking

The nES7 is ideal for small rooms without obstructions or areas with primarily walking motion. Ideal areas include hallways, corridors, storage rooms, and breakrooms. Additionally, the nES7ADCX includes an integrated photocell, which enables daylight harvesting controls.

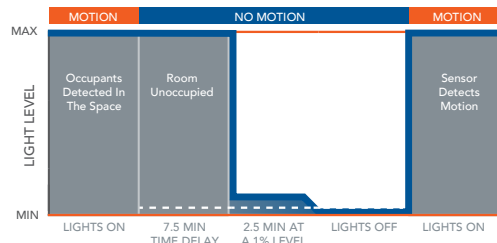
For areas like restrooms, private offices, open offices, conference rooms or any space with obstructions, the nES PDT 7 dual technology sensor is recommended. The nES PDT 7 utilizes both PIR (passive infrared) and Microphonics technologies to detect occupancy. Additionally, the nESPD7ADCX includes an integrated photocell, which enables daylight harvesting controls which is ideal for areas where windows are present.

Sequence of Operation (MSD7 Sensor)



*The presetting on the automatic dimming photocell is 5fc.

Sequence of Operation (nES7 and rES7 and Sensor)



*The presetting on the automatic dimming photocell is 5fc (NES7) and 10fc (RES7).

2BLT Volumetric Recessed Lighting 2'x4'

Controls Accessories

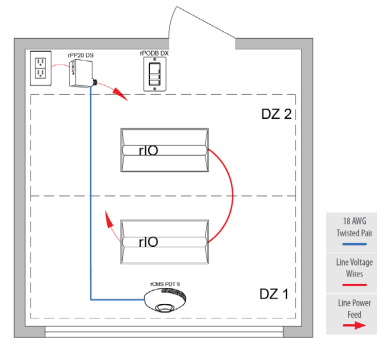
nLight® Wired Control Accessories:
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight.

WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODMA [Color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 RJB / nCM PDT 9 RJB
On/Off & raise/lower	nPODMA DX [Color]	Large motion 360°, ceiling (PIR / dual tech)	nCM10 RJB / nCM PDT 10 RJB
Graphic touchscreen	nPOD TOUCH [Color]	Wall switch with raise/lower	nWSX PDT LV DX [color]
Photocell controls	Model number	Cat-5 cable (plenum rated)	Model number
Full range dimming	nCM ADCX RJB	10' cable	CATS 10FT J1
		30' cable	CATS 30FT J1

nLight® AIR Control Accessories:
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

Wall switches	Model number
On/Off single pole	rPODBA [color] G2
On/Off two pole	rPODB A2P [color] G2
On/Off & raise/lower single pole	rPODBA DX [color] G2
On/Off & raise/lower two pole	rPODBA 2P DX [color] G2

BLT fixtures with integrated rIO devices complement any small office space. Pair them with an rCMS occupancy sensor and the space now has wireless occupancy sensing and dimming capability. For additional configuration options please consult with Tech Support.



rCMS ¹		Example: RCMS PDT 10 AR G2						
Series / Detection	Power Supply ¹	Occupancy Detection	Lens (Required)		Operating Mode		Generation	
RCMS nLight AIR occupancy and daylight sensor	[blank] Power Supply ordered separately	[blank] PIR Detection PDT Dual Tech PIR/ Microphonics	10	Large Motion/ Extended Range 360°	[BLANK] None AR Auxiliary Relay	G2	Generation 2 compatibility	
	PS 150 Standard 150 mA Power Supply		9	Small Motion/ Extended Range 360°				
			6	High Bay 360° Lens				

Notes

1 RCMS requires low voltage power from either RPP20 DS 24V G2 or PS150.



BLT-2X4

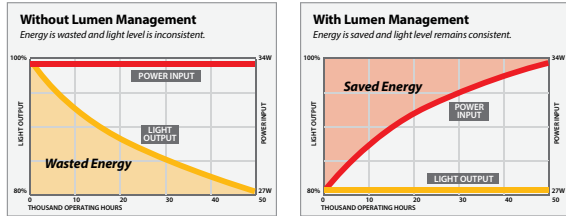
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2BLT Volumetric Recessed Lighting 2'x4'

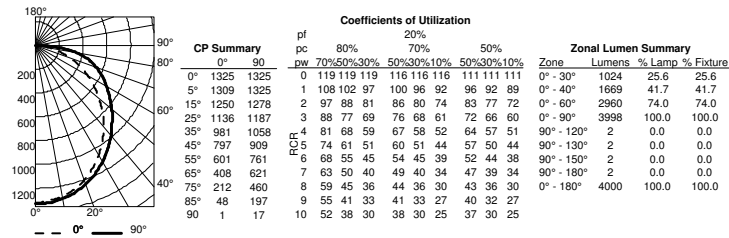
Constant Lumen Management

Enabled by the embedded nLight control, the BLT actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.

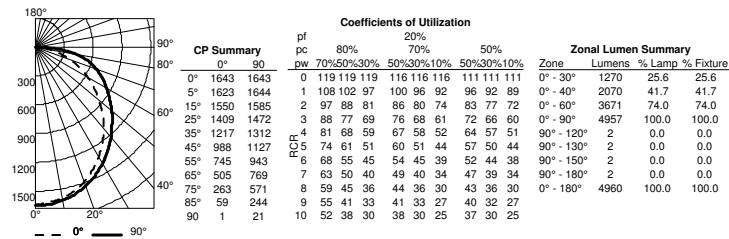


PHOTOMETRICS

2BLT4 40L ADP LP835, 4000 delivered lumens, test no. ISF36900P109, tested in accordance to IESNA LM-79



2BLT4 48L ADP LP835, 4960 delivered lumens, test no. ISF 36900P117, tested in accordance to IESNA LM-79



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BLT-2X4

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2BLT Volumetric Recessed Lighting 2'x4'

Performance Data					
Model Number	Lumens	LPW	Watts	DLC Listing	DLC ID
2BLT4 30L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	2962	127.31	23.26	Premium	PWJDEMHS
2BLT4 30L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	3009.28	129.34	23.26	Premium	P18J5GLD
2BLT4 30L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	2969.16	127.62	23.26	Premium	P3HB2XSG
2BLT4 40L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4000	126.22	31.69	Premium	PDWKYXFD
2BLT4 40L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4063.86	128.23	31.69	Premium	PEYXAZWD
2BLT4 40L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	3946.66	124.53	31.69	Premium	PSG3CPK6
2BLT4 40L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4009.67	126.52	31.69	Premium	PK79UR9W
2BLT4 48L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4960	130.5	38	Premium	PJ9CK6C1
2BLT4 48L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	5039.18	132.58	38	Premium	P9W2R5AK
2BLT4 48L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4893.86	128.76	38	Premium	PPFKZU3U
2BLT4 48L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4971.99	130.82	38	Premium	PC8HMMCH9
2BLT4 60L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	6016	126.39	47.59	Premium	PSJ6QERM
2BLT4 60L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	6112.04	128.4	47.59	Premium	PVXQXPUV
2BLT4 60L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	5935.78	124.7	47.59	Premium	PHT84BW4
2BLT4 60L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	6030.55	126.69	47.59	Premium	PXV55B8C
2BLT4 72L ADP EZ1 (GZ10) LP840 [All Options]	7360.66	125.3	58.74	Premium	PSCZ22CB
2BLT4 72L ADP GZ1 LP835 [All Options]	7245	119.07	60.84	standard	PISHTCTS
2BLT4 72L ADP GZ1 LP840 [All Options]	7360.66	120.97	60.84	standard	PBERALG7
2BLT4 72L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	7148.4	117.48	60.84	standard	PDQS3CYK
2BLT4 72L ADPT EZ1 (GZ10) LP840 [All Options]	7262.52	123.63	58.74	Premium	P2KMMMVN
2BLT4 72L ADPT GZ1 LP840 [All Options]	7262.52	119.36	60.84	standard	P10DUPCO
2BLT4 85L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	8567	116.43	73.58	standard	PYD2G06V
2BLT4 85L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	8703.77	118.28	73.58	standard	P8Z4V4X
2BLT4 85L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	8452.77	114.87	73.58	standard	PTZEW3QM
2BLT4 85L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	8587.72	116.71	73.58	standard	P01DMEK9
2BLT4 100L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	9837	103.14	95.36	standard	PGDES20R
2BLT4 100L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	9994.04	104.79	95.36	standard	P007CHGX
2BLT4 100L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	9705.84	101.77	95.36	standard	PSZUQY7M
2BLT4 100L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	9860.79	103.39	95.36	standard	P6V6X6HY
2BLT4 120L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	11709	118.18	99.07	standard	PGM4Y7DP
2BLT4 120L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	11895.9	120.07	99.07	standard	POODDCG2
2BLT4 120L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	11552.9	116.61	99.07	standard	PXMOF509
2BLT4 120L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	11737.3	118.47	99.07	standard	PJ4GEBZM

DLC information is subject to change, for the most up-to-date information please refer to www.dlc.org. Above listings do not cover 347v or SLD.

HE Performance Data					
Model Number	Lumens	LPW	Watts	DLC Listing	DLC ID
2BLT4 30LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	3107	135.17	22.98	Premium	P7KEICW5
2BLT4 30LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	3156.6	137.33	22.98	Premium	PDOM06BH
2BLT4 30LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	3065.57	133.37	22.98	Premium	P7PZAJDZ
2BLT4 30LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	3114.51	135.5	22.98	Premium	P2N23EBP
2BLT4 40LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4085	138.56	29.48	Premium	P67P65SY
2BLT4 40LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4150.21	140.77	29.48	Premium	P9SUQD66
2BLT4 40LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4030.53	136.71	29.48	Premium	PC15DQEC
2BLT4 40LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4094.88	138.89	29.48	Premium	PGRC5J2T
2BLT4 48LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4770	138.16	34.52	Premium	PXBIBGN8
2BLT4 48LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4846.15	140.37	34.52	Premium	P5PQ5RRX
2BLT4 48LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4706.4	136.32	34.52	Premium	P2NK2H33
2BLT4 48LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4781.53	138.5	34.52	Premium	PK8C1321
2BLT4 60LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	5894	135.12	43.61	Premium	PQZN176R
2BLT4 60LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	5988.09	137.28	43.61	Premium	PG5CYJUC
2BLT4 60LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	5815.41	133.32	43.61	Premium	PZ72TAWM
2BLT4 60LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	5908.25	135.45	43.61	Premium	PRC4W72B
2BLT4 72LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	7149	135.94	52.58	Premium	PUB38GEQ
2BLT4 72LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	7263.13	138.11	52.58	Premium	P7GDH2TN
2BLT4 72LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	7053.68	134.12	52.58	Premium	P5CC2VKV
2BLT4 72LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	7166.29	136.26	52.58	Premium	P6P1BKDM
2BLT4 85LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	8158	128.96	63.25	Premium	PRTW6BXW
2BLT4 85LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	8288.24	131.02	63.25	Premium	P6H1V2D6
2BLT4 85LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	8049.22	127.24	63.25	Premium	P1VG5TA3
2BLT4 85LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	8177.73	129.27	63.25	Premium	PN5BKJ6E

DLC information is subject to change, for the most up-to-date information please refer to www.dlc.org. Above listings do not cover 347v or SLD.

How to Estimate Delivered Lumens in Emergency Mode

Use the formula below to estimate the delivered lumens in emergency mode

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver, P = 10W for E10WLCP option.
LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet. LPW = Lumen per watt rating of the luminaire. LPW information available in Performance Data section.



DIGITAL NAVIGATION

Ordering Tree nLight Platform Sensor Switch JOT Photometrics Performance Data

FEATURES & SPECIFICATIONS

INTENDED USE — The BLT Best-in-Value Low Profile LED luminaire features a popular center basket design that offers a clean, versatile style and volumetric distribution. High efficacy LED light engines deliver energy savings and low maintenance compared to traditional sources. An extensive selection of configurations and options make the BLT the perfect choice for many lighting applications including schools, offices and other commercial spaces, retail, hospitals and healthcare facilities. The low profile BLT design (2-3/8") also makes it an excellent choice for renovation projects.

CONSTRUCTION — Prior to fabrication, BLT components are coated with a proprietary paint blend and die-formed for dimensional consistency.

The BLT reflector is available in both smooth and ribbed finishes. Choose RB from the fixture style section below for a ribbed finish.

End plates contain easy-to-position integral T-bar clips for securely attaching the luminaire to the T-grid. For additional T-grid security, optional screw on T-bar clips are available.

Diffusers are extruded from impact modified acrylic for increased durability.

LED boards and drivers are accessible from the plenum.

OPTICS — Volumetric illumination is achieved by creating an optimal mix of light to walls, partitions and vertical and horizontal work surfaces — rendering the interior space, objects and occupants in a more balanced, complimentary luminous environment. High performance extruded acrylic diffusers conceal LEDs and efficiently deliver light in a volumetric distribution. Four diffuser choices available - curved and square designs with ribbed or a smooth frosted finish.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000). Color Variation within 3-step MacAdam ellipse (3SDCM).

Non-Configurable BLT: Generic 0-10 volt dimming driver. Dims to 10%

Configurable BLT: available in High Efficiency (HE) versions for applications where a lower wattage (over the standard product) is required. The High Efficiency versions deliver >130 LPW and can be specified via the Lumen Package designations in the Ordering Information below.

eldoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Optional integrated nLight™ controls make each luminaire addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Connection to nLight is simple. It can be accomplished with integrated nLight AIR wireless RIO, RES7 sensors, or through standard Cat-5 cabling. nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission. nLight AIR is commissioned easily through an intuitive mobile app.

Lumen Management: Unique lumen management system (option N80) provides on board intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

SENSOR — **Integrated sensor (individual control):** Sensor Switch MSD7ADCX ((Passive infrared (PIR)) or MSDPDT7ADCX ((PIR/Microphonics Dual Tech (PDT)) integrated occupancy sensor/automatic dimming photocell allows the luminaire to power off when the space is unoccupied or enough ambient light is entering the space. See page 4 for more details on the integrated sensor.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. See page 4 for the nLight sensor options.

Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or a microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLARITY, which allows for simple sensor adjustment. See page 4 for more details on the Integrated Smart Sensor.

Integrated Wireless Sensor (single room control): Sensor Switch VERTEX JOT or JOTVTK15 luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space. See page X for more details on the integrated wireless sensor.

INSTALLATION — The BLT's low profile design of only 2-3/8" provides increased installation flexibility especially in restrictive plenum applications. The BLT fits into standard 15/16" and narrow 9/16" T-grid ceiling systems. Suitable for damp location.

For recessed mounting in hard ceiling applications, Drywall Grid Adapters (DGA) are available as an accessory. See Accessories section.

LISTINGS — CSA Certified to meet U.S. and Canadian standards. IC rated. Tested in accordance with ISO 14644-1; suitable for ISO Class 5-9 positive and negative pressure clean rooms.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

TYPE L1B

Catalog Number	
Notes	PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.
Type	

BLT Series LED



ADP Diffuser Option

2BLT4

2' x 4' LED



Ribbed Reflector Option



Specifications

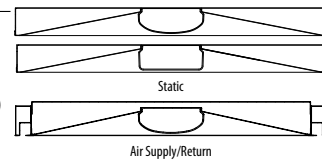
Length: 47-3/4 (121.2)

Width: 23-3/4 (60.3)

Depth: 2-3/8 (6.0)

Depth with Air supply/return: 2-3/4 (6.9)

All dimensions are inches (centimeters) unless otherwise specified.



Embed nLight controls today. Prepare for tomorrow.

Now

- User-friendly install
- Enhanced energy savings
- Code compliance

Tomorrow

- Scalability
- Space configuration
- Future-ready

Capable Luminaire

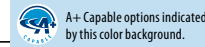
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background***
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

2BLT Volumetric Recessed Lighting 2'x4'



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 2BLT4 40L ADP EZ1 LP840

Series	Fixture Style	Air function	Lumens ‡	Diffuser	Voltage	Driver	Color temperature
2BLT4 2x4 BLT	(blank) Smooth Reflector RB Ribbed Reflector	(blank) Static A Air supply/return ‡	Standard efficiency (>100 LPW) 30L 3000 40L 4000 48L 4800 60L 6000 72L 7200 85L 8500 100L 10000 120L 12000 High efficiency (>130 LPW) 30LHE 3000 40LHE 4000 48LHE 4800 60LHE 6000 72LHE 7200 85LHE 8500	ADP Curved, ribbed ADSM Curved, smooth SDP Square, ribbed SDSM Square, smooth ADPT Curved, ribbed ADSMT Curved, smooth SDPT Square, ribbed SDSMT Square, smooth	(blank) MVOLT 120 120V 277 277V 347 347V ‡	EZ1 eldoLED dims to 1% (0-10 volt dimming) GZ1 Dims to 1% (0-10V dimming) ‡ GZ10 Dims to 10% (0-10V dimming) ‡ SLD Step-level dimming ‡	LP830 82CRI, 3000 K LP835 82CRI, 3500 K LP840 82CRI, 4000 K LP850 82CRI, 5000 K LP930 90CRI, 3000K LP935 90CRI, 3500K LP940 90CRI, 4000K LP950 90CRI, 5000K

nLight Interface	Control ‡	Individual Control
nLight Wired (blank) no nLight® interface N80 nLight with 80% lumen management N80EMG nLight with 80% lumen management For use with generator supply EM power ‡ N100 nLight without lumen management N100EMG nLight without lumen management For use with generator supply EM power ‡ nLight Wireless (blank) no nLight® interface NLTAIR2 nLight AIR Generation 2 enabled ‡	nLight Wired ‡ (blank) No sensor control NES7 nLight™ nES 7 PIR integral occupancy sensor NESPD7 nLight™ nES PDT 7 dual technology integral occupancy control NES7ADCX nLight™ nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell NESPD7ADCX nLight™ nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell nLight Wireless RES7 nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities RES7PDT nLight AIR microphonics dual technology occupancy sensor with automatic dimming photocell RIO nLight AIR radio module without sensor RES7EM nLight AIR PIR integral occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection ‡ RES7PDTEM nLight AIR microphonics dual technology occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection ‡ RIOEM nLight AIR radio module less sensor, with UL924 Emergency Operation, via power interrupt detection ‡	MSD7ADCX PIR integral occupancy sensor with automatic dimming control photocell ‡ MSPD7ADCX PDT integral occupancy sensor with automatic dimming control photocell ‡ JOT Wireless room control with "Just One Touch" pairing ‡ JOTVTX15 Wireless occupancy sensor with "Just One Touch" pairing ‡

Standby Mode	Options
NOC NOC Occupancy sensor disabled ‡	BDP Disconnect Plug EL7L 700 lumen battery pack (Noncompliant with CA T20) ‡ EL14L 1400 lumen battery pack (Noncompliant with CA T20) ‡ EL14LSD 1400 lumen battery pack with self-diagnostic testing feature (Noncompliant with CA T20) ‡ E10WLCPEM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ‡ CP Chicago plenum ‡ BGD Bodine Generator Transfer Device ‡ PWS1836 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit PWS1846 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit PWS1846 PWSLV Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge ‡ PWS1856LV 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage wires ‡ GLR Fast-blowing fuse ‡ GMF Slow-blowing fuse ‡ NPLT Narrow pallet RRL_ RELOC®-ready luminaire ‡ LATC Earthquake clip DWAM Anti-Microbial paint JP14 Job packaging ‡ JP18 Job packaging ‡ IPSX Gasketed diffuser compartment to meet IP5X rating ‡ BAA Buy America(n) Act Compliant

NOTE: ‡ indicates option value has ordering restrictions. Please reference the Option Value Ordering Restrictions chart on the next page. Options are sorted alphabetically.

ELECTRICAL CONTRACTOR TO DETERMINE APPROPRIATE MOUNTING HARDWARE & ACCESSORIES



BLT-2X4

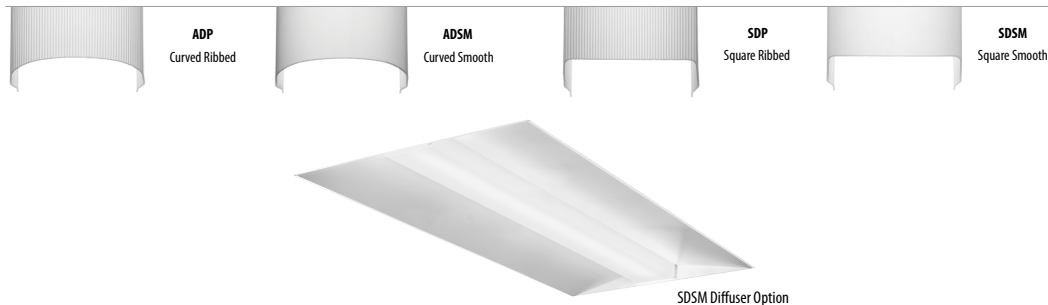
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2BLT Volumetric Recessed Lighting 2'x4'

‡ Option Value Ordering Restrictions	
Option value	Restriction
347	Not available with SLD, EL7L, EL14L, or E10WLCP options.
A	Not available with RB fixture style, consult factory for air flow data.
BGTD	Not available with TD, JOT, JOTVTX15 sensor options or emergency battery options. Must specify voltage. Requires BSE labeling, voltage specific. Consult factory for options. Example: BGTD BSE10.
Controls	Must specify diffuser with trim rings.
CP	Not available with N80, N80EMG, N100, or N100EMG.
GZ1, GZ10	Not available with any Control or Sensor options except JOT & JOTVTX15
EL14LSD, E10WLCP, EL7L, EL14L	When using pre-wire option, use PWS1846 or PWS1846 PWSLV. For more information, please see the PSSD2 specification sheet .
FAO	EZ1 driver required. Not available with USPOM, FAO or lumen packages > 6000LM. FAO restricts use of external Dimming controls. See chart on page 3 for additional details.
GLR, GMF	Must specify voltage. 120 or 277, with GLR and GMF fusing.
IP5X	Not available with air supply/return or Wired Networking (NES_) and Individual Control (MSD_) sensors.
JOT, JOTVTX15	Not available with standard efficiency 85L, 100L or 120L lumen options. Not available with SLD, nLight, NLTAIR2, NOC, or BGTD options.
JP14	Only available on fixtures with NES7, NESPDT7, NESPDT7ADCX, MSD7ADCX, MSDPDT7ADCX, RES7, RES7PDT, RIO, JOT, JOTVTX15. Not available when air supply/return function and sensor options are combined.
JP18	Not available with option: NES7, NESPDT7, NESPDT7ADCX, MSD7ADCX, MSDPDT7ADCX, RES7, RES7PDT, RIO, JOT, JOTVTX15.
Lumens	Approximate lumen output. For high Efficiency, all versions may not achieve 130+ LPW. Refer to photometry on www.acuitybrands.com . Air supply/return option, 90 CRI, and versions with integral sensor trim rings may not achieve 130 LPW.
MSD7ADCX, MSDPDT7ADCX	Only available with EZ1 driver option. 0-10v dimming wires not accessible via access plate.
NES7, NESPDT7, NES7ADCX, NESPDT7ADCX	Requires N80, N80EMG, N100, or N100EMG. Only available with EZ1 driver.
NLTAIR2	Must order with nLight Wireless option from Control section. Only available with EZ1 driver. Not available with 85L, 100L, or 120L options.
NOC	Can only be ordered in conjunction with EZ1, NLTAIR2, RES7/RES7PDT. Occupancy sensor disabled at factory but can be re-enabled upon commissioning.
N80EMG, N100EMG	nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled fixture.
RES7EM, RES7PDTEM, RIOEM	See UL924 Sequence of Operation chart on page 4. Not available with 72L, 72LHE, or 85LHE lumen packages.
RRL_	For ordering logic consult: RRL_2013 .
SLD	Not available with any nLight Interface or Control options.

Multiple Diffuser Options



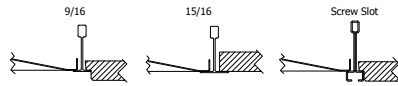
2BLT Volumetric Recessed Lighting 2'x4'

Non-Configurable BLT

Non-Configurable BLT								
Stock/MTO	Catalog Description *	UPC	Lumens	Wattage	LPW	Color Temperature	Voltage	Pallet Qty
Stock	2BLT4 40L ADP LP835	00190887470789	4000	31.69	126.22	3500K/82 CRI	120-277	28
	2BLT4 40L ADP LP840	00190887470765	4063	31.69	128.23	4000K/82CRI	120-277	28
	2BLT4 46L ADP LP835	00190887468656	4960	38	130.5	3500K/82 CRI	120-277	28
	2BLT4 46L ADP LP840	00190887468649	5039.18	38	132.58	4000K/82CRI	120-277	28
	2BLT4 40L ADP EL14L LP835	00190887470925	4000	31.69	126.22	3500K/82 CRI	120-277	28
	2BLT4 40L ADP EL14L LP840	00190887470918	4063	31.69	128.23	4000K/82 CRI	120-277	28
	2BLT4 46L ADP EL14L LP835	00190887468670	4960	38	130.5	3500K/82 CRI	120-277	28
	2BLT4 46L ADP EL14L LP840	00190887468663	5039.18	38	132.58	4000K/82 CRI	120-277	28

*Generic 0-10V Dimming to 10%.

MOUNTING DATA	
Ceiling Type	Appropriate Trim Type
Exposed grid tee (1' and 9/16")	G
Concealed grid tee	G
Plaster or plasterboard	G*



*DGA accessory available to provide ceiling trim flange and fixture support for plaster or plasterboard ceiling. Recommended rough-in dimensions for DGA installation is 24-3/4" x 24-3/4" (Tolerance is +1/8", -0").

UL924 Sequence of Operation

For 90 minutes following any complete AC power interruption >200 ms:

- Digital dimming is commanded to high end trim level.
- Device ignores wireless lighting control commands.

Accessories & Replacement Parts

Accessories: Order as separate catalog number.	
DGA24	Drywall grid adapter for 2x4 recessed fixture
2X4SMKSH PAF	Surface Mount Troffer Kit Post Paint
RK8BDP 2P U	Disconnect Plug (BDP), 2 Pole, Package of 1
RK8BDP 3P U	Disconnect Plug (BDP), 3 Pole, Package of 1
RK8BDP 2P J10	Disconnect Plug (BDP), 2 Pole, Package of 10
RK8BDP 2P J40	Disconnect Plug (BDP), 2 Pole, Package of 40

Replacement Parts: Order as separate catalog number.		
*249P2N	2DBLT48 ADP LENS ASSEMBLY	4 ft. replacement lens
*249P2T	2DBLT48 SDP LENS ASSEMBLY	4 ft. replacement lens
*249P30	2DBLT48 ADSM LENS ASSEMBLY	4 ft. replacement lens
*249P33	2DBLT48 SDSM LENS ASSEMBLY	4 ft. replacement lens
*237LT2	2DBLT48 ADPT LENS ASSEMBLY	4 ft. replacement lens
*237LT4	2DBLT48 SDPT LENS ASSEMBLY	4 ft. replacement lens
*237LT6	2DBLT48 ADSMT LENS ASSEMBLY	4 ft. replacement lens
*237LT8	2DBLT48 SDSMT LENS ASSEMBLY	4 ft. replacement lens
*237LTA	2DBLT48 ADPT SENSOR LENS ASSEMBLY	4 ft. replacement lens
*237MS2	2DBLT48 SDPT SENSOR LENS ASSEMBLY	4 ft. replacement lens
*237M5A	2DBLT48 ADSMT SENSOR LENS ASSEMBLY	4 ft. replacement lens
*237M5L	2DBLT48 SDSMT SENSOR LENS ASSEMBLY	4 ft. replacement lens

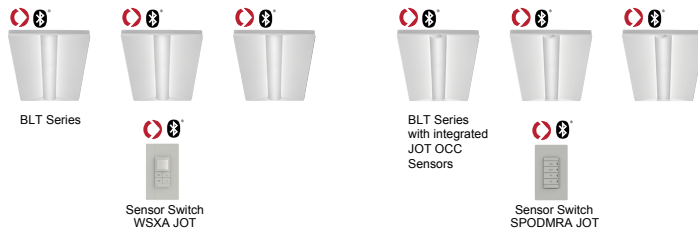
JOT Wireless



Sensor Switch JOT Enabled Wireless Solution

Designed with contractors in mind, the Sensor Switch JOT enabled wireless solution offers a straightforward approach to the installation and pairing of lighting fixtures and controls. Absolutely no 0-10V control wires and no mobile apps are needed with JOT enabled products, allowing for lightning speed installation right out of the box.

- Power:** Install JOT enabled fixtures and controls as instructed.
- Pair:** Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
- Play:** Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.



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BLT-2X4

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2BLT Volumetric Recessed Lighting 2'x4'

nLight Platform

nLight embedded fixtures offer:	Customers get:
Manual Dimming	Convenience and visual comfort for occupants
Motion Sensing and/or Daylight Harvesting	Energy savings and code compliance
Fixture or Group Level Control	Ability to configure lighting to the space requirements
Flexibility	Ease of fixture moves, adds and changes
Wireless Wall Switch (nLight AIR Only)	Ease and flexibility of placement
Astronomical and Time of Day Scheduling	Energy savings and building security
Scalable Solution	nLight controls to grow with your business
Future-Ready	nLight platform to set foundation for future upgrades and capabilities

nLight Air Wireless



Simple as 1,2,3

1. Install the nLight[®] AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome



nLight Wired Networking



Simple as 1,2,3

1. Install the nLight[®] Wired fixtures with embedded control
2. Install the nLight Wired wall switch
3. Connect the fixtures using standard CAT5e cables and the devices will automatically discover each other and work (plug and play)



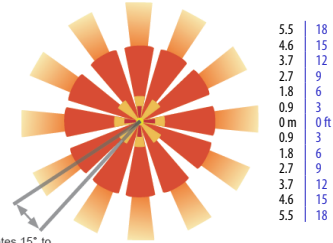
2BLT Volumetric Recessed Lighting 2'x4'

Sensor Options					
Option	Automatic Dimming Photocell	Occupancy Sensing		nLight Wired Networking	nLight AIR Networking
		PIR	PDT		
MSD7ADCX	X	X			
MSDPDT7ADCX	X		X		
NES7		X		X	
NES7ADCX	X	X		X	
NESPD7			X	X	
NESPD7ADCX	X		X	X	
RES7	X	X			X
RESPDT7	X	X	X		X

Sensor Coverage Pattern Mini 360° Lens

- Recommended for walking motion detection from mounting heights between 8 ft (2.44 m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m).
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74 m)
- Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor

9 FT Mounting



Lens rotates 15° to enable adjustment

Integrated Sensor with Individual Control

The MSD7ADCX PIR occupancy sensor/automatic dimming photocell is ideal for areas without obstructions and where daylight harvesting may be desired. Suggested applications include, but not limited to, hallways, corridors, storage rooms, and breakrooms or other areas where people are typically moving.

The MSDPDT7ADCX PIR/Microphonics Dual Tech occupancy sensor/automatic dimming photocell is ideal for areas with obstructions and where daylight harvesting is desired. Suggested applications include, but not limited to, open offices, private offices, classrooms, public restrooms, and conference rooms.

nLight AIR Wireless

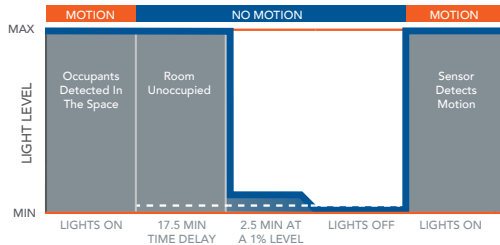
nLight AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and nLight AIR is available with or without an integral sensor. The integrated rES7 or rES7/PDT smart sensors are part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application.

nLight Wired Networking

The nES7 is ideal for small rooms without obstructions or areas with primarily walking motion. Ideal areas include hallways, corridors, storage rooms, and breakrooms. Additionally, the nES7ADCX includes an integrated photocell, which enables daylight harvesting controls.

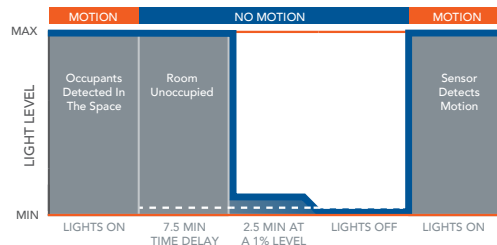
For areas like restrooms, private offices, open offices, conference rooms or any space with obstructions, the nES PDT 7 dual technology sensor is recommended. The nES PDT 7 utilizes both PIR (passive infrared) and Microphonics technologies to detect occupancy. Additionally, the nESPD7ADCX includes an integrated photocell, which enables daylight harvesting controls which is ideal for areas where windows are present.

Sequence of Operation (MSD7 Sensor)



*The presetting on the automatic dimming photocell is 5fc.

Sequence of Operation (nES7 and rES7 and Sensor)



*The presetting on the automatic dimming photocell is 5fc (NES7) and 10fc (RES7).

2BLT Volumetric Recessed Lighting 2'x4'

Controls Accessories

nLight® Wired Control Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight.

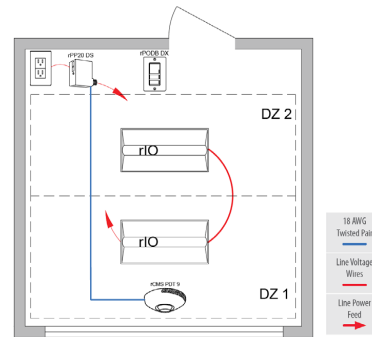
WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODMA [Color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 RJB / nCM PDT 9 RJB
On/Off & raise/lower	nPODMA DX [Color]	Large motion 360°, ceiling (PIR / dual tech)	nCM10 RJB / nCM PDT 10 RJB
Graphic touchscreen	nPOD TOUCH [Color]	Wall switch with raise/lower	nWSX PDT LV DX [color]
Photocell controls	Model number	Cat-5 cable (plenum rated)	Model number
Full range dimming	nCM ADCX RJB	10' cable	CAT5 10FT J1
		30' cable	CAT5 30FT J1

nLight® AIR Control Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

Wall switches	Model number
On/Off single pole	rPODBA [color] G2
On/Off two pole	rPODB A2P [color] G2
On/Off & raise/lower single pole	rPODBA DX [color] G2
On/Off & raise/lower two pole	rPODBA 2P DX [color] G2

BLT fixtures with integrated rIO devices complement any small office space. Pair them with an rCMS occupancy sensor and the space now has wireless occupancy sensing and dimming capability. For additional configuration options please consult with Tech Support.



rCMS¹ Example: RCMS PDT 10 AR G2

Series / Detection	Power Supply ¹	Occupancy Detection	Lens (Required)	Operating Mode	Generation
RCMS nLight AIR occupancy and daylight sensor	[blank] Power Supply ordered separately	[blank] PIR Detection PDT Dual Tech PIR/ Microphonics	10 Large Motion/ Extended Range 360°	[BLANK] None AR Auxiliary Relay	G2 Generation 2 compatibility
	PS 150 Standard 150 mA Power Supply		9 Small Motion/ Extended Range 360°		
			6 High Bay 360° Lens		

Notes

1 RCMS requires low voltage power from either RPP20 DS 24V G2 or PS150.



BLT-2X4

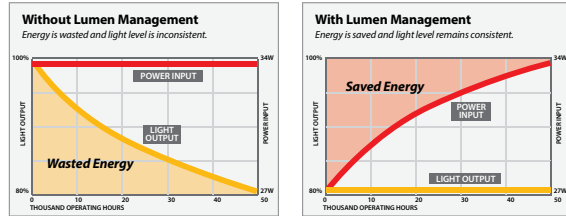
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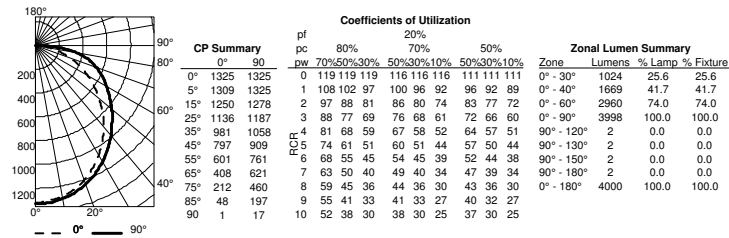
Constant Lumen Management

Enabled by the embedded nLight control, the BLT actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.

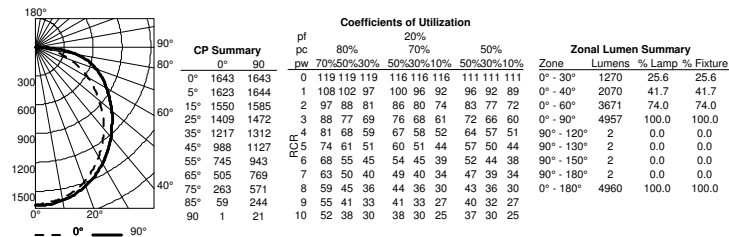


PHOTOMETRICS

2BLT4 40L ADP LP835, 4000 delivered lumens, test no. ISF36900P109, tested in accordance to IESNA LM-79



2BLT4 48L ADP LP835, 4960 delivered lumens, test no. ISF 36900P117, tested in accordance to IESNA LM-79



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BLT-2X4

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2BLT Volumetric Recessed Lighting 2'x4'

Performance Data					
Model Number	Lumens	LPW	Watts	DLC Listing	DLC ID
2BLT4 30L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	2962	127.31	23.26	Premium	PWJDEMHS
2BLT4 30L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	3009.28	129.34	23.26	Premium	P18J5GLD
2BLT4 30L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	2969.16	127.62	23.26	Premium	P3HB2XSG
2BLT4 40L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4000	126.22	31.69	Premium	PDWKYXFD
2BLT4 40L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4063.86	128.23	31.69	Premium	PEYXAZWD
2BLT4 40L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	3946.66	124.53	31.69	Premium	PSG3CPK6
2BLT4 40L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4009.67	126.52	31.69	Premium	PK79UR9W
2BLT4 48L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4960	130.5	38	Premium	PJ9CK6C1
2BLT4 48L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	5039.18	132.58	38	Premium	P9W2R5AK
2BLT4 48L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4893.86	128.76	38	Premium	PPFKZU3U
2BLT4 48L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4971.99	130.82	38	Premium	PC8HMMCH9
2BLT4 60L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	6016	126.39	47.59	Premium	PSJ6QERM
2BLT4 60L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	6112.04	128.4	47.59	Premium	PVXQXPUV
2BLT4 60L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	5935.78	124.7	47.59	Premium	PHT84BW4
2BLT4 60L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	6030.55	126.69	47.59	Premium	PXV55B8C
2BLT4 72L ADP EZ1 (GZ10) LP840 [All Options]	7360.66	125.3	58.74	Premium	PSCZ22CB
2BLT4 72L ADP GZ1 LP835 [All Options]	7245	119.07	60.84	standard	PISHTCTS
2BLT4 72L ADP GZ1 LP840 [All Options]	7360.66	120.97	60.84	standard	PBERALG7
2BLT4 72L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	7148.4	117.48	60.84	standard	PDQS3CYK
2BLT4 72L ADPT EZ1 (GZ10) LP840 [All Options]	7262.52	123.63	58.74	Premium	P2KMMMVN
2BLT4 72L ADPT GZ1 LP840 [All Options]	7262.52	119.36	60.84	standard	P10DUPCO
2BLT4 85L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	8567	116.43	73.58	standard	PYD2G06V
2BLT4 85L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	8703.77	118.28	73.58	standard	P8Z4V4X
2BLT4 85L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	8452.77	114.87	73.58	standard	PTZEW3QM
2BLT4 85L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	8587.72	116.71	73.58	standard	P01DMEK9
2BLT4 100L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	9837	103.14	95.36	standard	PGDES20R
2BLT4 100L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	9994.04	104.79	95.36	standard	P007CHGX
2BLT4 100L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	9705.84	101.77	95.36	standard	PSZUQY7M
2BLT4 100L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	9860.79	103.39	95.36	standard	P6V6X6HY
2BLT4 120L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	11709	118.18	99.07	standard	PGM4Y7DP
2BLT4 120L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	11895.9	120.07	99.07	standard	POODDCG2
2BLT4 120L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	11552.9	116.61	99.07	standard	PXMOFS09
2BLT4 120L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	11737.3	118.47	99.07	standard	PJ4GEBZM

DLC information is subject to change, for the most up-to-date information please refer to www.dlc.org. Above listings do not cover 347v or SLD.

HE Performance Data					
Model Number	Lumens	LPW	Watts	DLC Listing	DLC ID
2BLT4 30LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	3107	135.17	22.98	Premium	P7KEICW5
2BLT4 30LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	3156.6	137.33	22.98	Premium	PDOM06BH
2BLT4 30LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	3065.57	133.37	22.98	Premium	P7PZAJDZ
2BLT4 30LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	3114.51	135.5	22.98	Premium	P2N23EBP
2BLT4 40LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4085	138.56	29.48	Premium	P67P655Y
2BLT4 40LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4150.21	140.77	29.48	Premium	P9SUQD66
2BLT4 40LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4030.53	136.71	29.48	Premium	PC15DQEC
2BLT4 40LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4094.88	138.89	29.48	Premium	PGRC5J2T
2BLT4 48LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4770	138.16	34.52	Premium	PXBIBGN8
2BLT4 48LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4846.15	140.37	34.52	Premium	P5PQ5RRX
2BLT4 48LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4706.4	136.32	34.52	Premium	P2NK2H33
2BLT4 48LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4781.53	138.5	34.52	Premium	PK8C1321
2BLT4 60LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	5894	135.12	43.61	Premium	PQZN176R
2BLT4 60LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	5988.09	137.28	43.61	Premium	PG5CYJUC
2BLT4 60LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	5815.41	133.32	43.61	Premium	PZ72TAWM
2BLT4 60LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	5908.25	135.45	43.61	Premium	PRC4W72B
2BLT4 72LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	7149	135.94	52.58	Premium	PUB38GEQ
2BLT4 72LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	7263.13	138.11	52.58	Premium	P7GDH2TN
2BLT4 72LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	7053.68	134.12	52.58	Premium	P5CC2VKV
2BLT4 72LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	7166.29	136.26	52.58	Premium	P6P1BKDM
2BLT4 85LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	8158	128.96	63.25	Premium	PRTW6BXW
2BLT4 85LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	8288.24	131.02	63.25	Premium	P6H1V2D6
2BLT4 85LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	8049.22	127.24	63.25	Premium	P1VG5TA3
2BLT4 85LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	8177.73	129.27	63.25	Premium	PN5BKJ6E

DLC information is subject to change, for the most up-to-date information please refer to www.dlc.org. Above listings do not cover 347v or SLD.

How to Estimate Delivered Lumens in Emergency Mode

Use the formula below to estimate the delivered lumens in emergency mode

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver, P = 10W for E10WLCP option.
LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet. LPW = Lumen per watt rating of the luminaire. LPW information available in Performance Data section.





DIGITAL NAVIGATION

Ordering Tree nLight Platform Sensor Switch JOT Photometrics Performance Data

FEATURES & SPECIFICATIONS

INTENDED USE — The BLT Best-in-Value Low Profile LED luminaire features a popular center basket design that offers a clean, versatile style and volumetric distribution. High efficacy LED light engines deliver energy savings and low maintenance compared to traditional sources. An extensive selection of configurations and options make the BLT the perfect choice for many lighting applications including schools, offices and other commercial spaces, retail, hospitals and healthcare facilities. The low profile BLT design (2-3/8") also makes it an excellent choice for renovation projects.

CONSTRUCTION — Prior to fabrication, BLT components are coated with a proprietary paint blend and die-formed for dimensional consistency.

The BLT reflector is available in both smooth and ribbed finishes. Choose RB from the fixture style section below for a ribbed finish.

End plates contain easy-to-position integral T-bar clips for securely attaching the luminaire to the T-grid. For additional T-grid security, optional screw on T-bar clips are available.

Diffusers are extruded from impact modified acrylic for increased durability.

LED boards and drivers are accessible from the plenum.

OPTICS — Volumetric illumination is achieved by creating an optimal mix of light to walls, partitions and vertical and horizontal work surfaces — rendering the interior space, objects and occupants in a more balanced, complimentary luminous environment. High performance extruded acrylic diffusers conceal LEDs and efficiently deliver light in a volumetric distribution. Four diffuser choices available - curved and square designs with ribbed or a smooth frosted finish.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000). Color Variation within 3-step MacAdam ellipse (3SDCM).

Non-Configurable BLT: Generic 0-10 volt dimming driver. Dims to 10%

Configurable BLT: available in High Efficiency (HE) versions for applications where a lower wattage (over the standard product) is required. The High Efficiency versions deliver >130 LPW and can be specified via the Lumen Package designations in the Ordering Information below.

eldoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Optional integrated nLight® controls make each luminaire addressable - allowing them to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Connection to nLight is simple. It can be accomplished with integrated nLight AIR wireless r10 and rE57 sensors, or through standard Cat-5 cabling. nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission. nLight AIR is commissioned easily through an intuitive mobile app.

Lumen Management: Unique lumen management system (option N80) provides on board intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

SENSOR — **Integrated sensor (individual control):** Sensor Switch MSD7ADCC ((Passive infrared (PIR)) or MSDPD7ADCC ((PIR/Microphonics Dual Tech (PDT)) integrated occupancy sensor/automatic dimming photocell allows the luminaire to power off when the space is unoccupied or enough ambient light is entering the space. See page 4 for more details on the integrated sensor.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. See page 4 for the nLight sensor options.

Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or a microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLARITY, which allows for simple sensor adjustment. See page 4 for more details on the Integrated Smart Sensor.

Integrated Wireless Sensor (single room control): Sensor Switch VERTEX JOT or JOTVX15 luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space. See page X for more details on the integrated wireless sensor.

INSTALLATION — The BLT's low profile design of only 2-3/8" provides increased installation flexibility especially in restrictive plenum applications. The BLT fits into standard 15/16" and narrow 9/16" T-grid ceiling systems. Suitable for damp location.

For recessed mounting in hard ceiling applications, Drywall Grid Adapters (DGA) are available as an accessory. See Accessories section.

LISTINGS — CSA Certified to meet U.S. and Canadian standards. IC rated. Tested in accordance with ISO 14644-1; suitable for ISO Class 5-9 positive and negative pressure clean rooms.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Catalog Number	TYPE L2
Notes	PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.
Type	

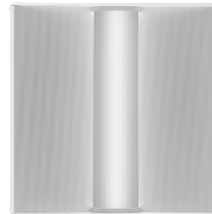
BLT Series LED



ADP Diffuser Option

2BLT2

2' x 2' LED



Ribbed Reflector Option



nLIGHT eldoLED



Buy American JUST ONE TOUCH

Specifications

Length: 23-3/4 (60.3)	
Width: 23-3/4 (60.3)	
Depth: 2-3/8 (6.0)	
Depth with Air supply/return: 2-3/4 (6.9)	

All dimensions are inches (centimeters) unless otherwise specified.

Embed nLight controls today. Prepare for tomorrow.

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

2BLT Volumetric Recessed Lighting 2'x2'

A+ Capable options indicated by this color background.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 2BLT2 33L ADP EZ1 LP835

Series	Fixture Style	Air function	Lumens ‡	Diffuser	Voltage	Driver	Color temperature
2BLT2 2X2 BLT	(blank) Smooth Reflector RB Ribbed Reflector	(blank) Static A Air supply/return ‡	Standard efficiency ‡ (>125 LPW) 20L 2000 33L 3300 40L 4000 48L 4800 High efficiency ‡ (>130 LPW) 20LHE 2000 33LHE 3300 40LHE 4000 48LHE 4800	ADP Curved, ribbed AD5M Curved, smooth SDP Square, ribbed SDSM Square, smooth Includes trim rings to match sensored version ADPT Curved, ribbed ADSMT Curved, smooth SDPT Square, ribbed SDSMT Square, smooth	(blank) MVOLT 120 120V 277 277V 347 347V ‡	EZ1 eldoLED dims to 1% (0-10 volt dimming) GZ1 Dims to 1% (0-10V dimming) ‡ GZ10 Dims to 10% (0-10V dimming) ‡ SLD Step-level dimming ‡	LP830 82CRI, 3000 K LP835 82CRI, 3500 K LP840 82CRI, 4000 K LP850 82CRI, 5000 K LP930 90CRI, 3000K LP935 90CRI, 3500K LP940 90CRI, 4000K LP950 90CRI, 5000K

nLight Interface	Control ‡
nLight Wired (blank) no nLight ® interface N80 nLight with 80% lumen management N80EMG nLight with 80% lumen management For use with generator supply EM power ‡ N100 nLight without lumen management N100EMG nLight without lumen management For use with generator supply EM power ‡ nLight Wireless (blank) no nLight ® interface NLTAIR2 nLight AIR Generation 2 enabled ‡	nLight Wired (blank) No sensor control NES7 nLight™ nES 7 PIR integral occupancy sensor ‡ NESPDT7 nLight™ nES PDT 7 dual technology integral occupancy control ‡ NES7ADCX nLight™ nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell ‡ NESPDT7ADCX nLight™ nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell ‡ nLight Wireless RES7 nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities RES7PDT nLight AIR microphonics dual technology occupancy sensor with automatic dimming photocell RIO nLight AIR radio module without sensor RES7EM nLight AIR PIR integral occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection ‡ RES7PDTEM nLight AIR microphonics dual technology occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection ‡ RIOEM nLight AIR radio module less sensor, with UL924 Emergency Operation, via power interrupt detection ‡

Standby Mode	Options
NOC NOC Occupancy sensor disabled ‡	BDP Disconnect Plug EL7L 700 lumen battery pack (Noncompliant with CA T20) ‡ EL14L 1400 lumen battery pack (Noncompliant with CA T20) ‡ EL14LSD 1400 lumen battery pack with self-diagnostic testing feature (Noncompliant with CA T20) ‡ E10WLCP EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ‡ CP Chicago plenum ‡ BGTD Bodine Generator Transfer Device ‡ PWS1836 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit PWS1846 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuit PWS1846 PWSLV Two cables: one 6' pre-wire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge ‡ PWS1856LV 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage wires ‡ GLR Fast-blowing fuse ‡ GMF Slow-blowing fuse ‡ NPLT Narrow pallet RRL_ RELOC®-ready luminaire ‡ LATC Earthquake clip DWAM Anti-Microbial paint JP28 Job packaging ‡ JP36 Job packaging IPSX Gasketed diffuser compartment to meet IPSX rating ‡ BAA Buy America(n) Act Compliant

NOTE: ‡ indicates option value has ordering restrictions. Please reference the Option Value Ordering Restrictions chart on the next page. Options are sorted alphanumerically.

ELECTRICAL CONTRACTOR TO DETERMINE APPROPRIATE MOUNTING HARDWARE & ACCESSORIES



BLT-2X2

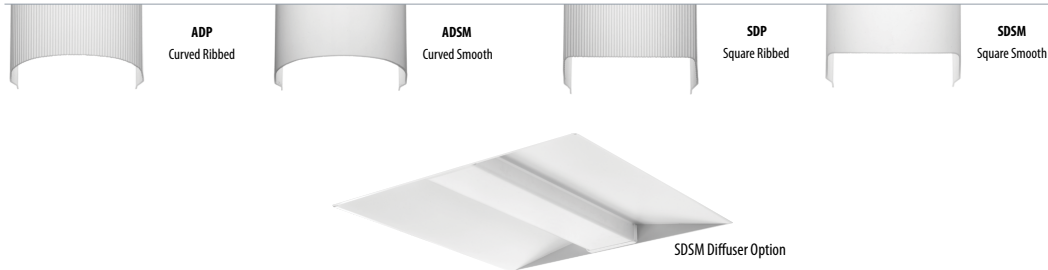
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2BLT Volumetric Recessed Lighting 2'x2'

‡ Option Value Ordering Restrictions	
Option value	Restriction
347	Not available with SLD, EL7L, EL14L, or E10WLCP options.
A	Not available with RB fixture style, consult factory for air flow data.
BGTD	Not available with JOT, JOTVTX15 sensor options or emergency battery options. Must specify voltage. Requires BSE labeling, voltage specific. Consult factory for options. Example: BGTD BSE10.
Control	Must specify diffuser with trim rings.
CP	Not available with N80, N80EMG, N100, or N100EMG.
GZ1, GZ10	Not available with any Control or Sensor options except JOT & JOTVTX15
EL7L, EL14L, EL14LSD, E10WLCP	When using pre-wire option, use PWS1846 or PWS1846 PWSLV. For more information on the EL14LSD, please see the PSSD2 specification sheet .
GLR, GMF	Must specify voltage, 120 or 277, with GLR and GMF fusing.
IP5X	Not available with air supply/return or Wired Networking (NES_) and Individual Control (MSD_) sensors.
JOT, JOTVTX15	Not available with SLD, nLight, NLTAIR2, NOC, or BGTD options.
JP28	Only available with options: NES7, NESPDT7, NES7ADCX, NESPDT7ADCX, MSD7ADCX, MSDPDT7ADCX, RES7, RES7PDT, RIO. Not available when sensor options combined with air supply return option.
Lumens	Approximate lumen output. For High Efficiency, all versions may not achieve 130+ LPW. Refer to photometry on www.acuitybrands.com . Air supply/return option, 90 CRI, and versions with integral sensor trim rings may not achieve 130 LPW.
MSD7ADCX, MSDPDT7ADCX	Only available with EZ1 driver option. 0-10v dimming wires not accessible via access plate.
NES7, NESPDT7, NES7ADCX, NESPDT7ADCX	Requires N80, N80EMG, N100, or N100EMG. Only available with EZ1 driver.
NLTAIR2	Must order with nLight Wireless option from Control section. Only available with EZ1 driver.
NOC	Can only be ordered in conjunction with EZ1, NLTAIR2, RES7/RES7PDT. Occupancy sensor disabled at factory but can be re-enabled upon commissioning.
N80EMG, N100EMG	nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled fixture.
PWS1846 PWSLV, PWS1856LV	Not available with nLIGHT wired network or individual controls
RES7EM, RES7PDTEM, RIOEM	See UL924 Sequence of Operation chart on page 3.
RRL	For ordering logic consult: RRL_2013 .
SLD	Not available with with any nLight Interface or Control options.

Multiple Diffuser Options

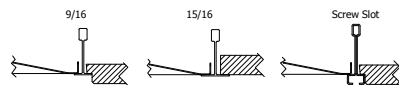


Non-Configurable BLT

Stock/MTO	Catalog Description *	UPC	Lumens	Wattage	LPW	Color Temperature	Voltage	Pallet Qty
Stock	2BLT2 33L ADP LP835	190887529708	3332	26.67	124.92	3500K/82 CRI	120-277	56
	2BLT2 33L ADP LP840	190887529739	3385	26.67	126.91	4000K/82CRI	120-277	56
	2BLT2 33L ADP EL14L LP835	190887529890	3332	26.67	124.92	3500K/82CRI	120-277	56
	2BLT2 33L ADP EL14L LP840	190887529937	3385	26.67	126.91	4000K/82CRI	120-277	56

*Generic 0-10V Dimming to 10%.

MOUNTING DATA	
Ceiling Type	Appropriate Trim Type
Exposed grid tee (1' and 9/16")	G
Concealed grid tee	G
Plaster or plasterboard	G*



*DGA accessory available to provide ceiling trim flange and fixture support for plaster or plasterboard ceiling. Recommended rough-in dimensions for DGA installation is 24-3/4" x 24-3/4" (Tolerance is +1/8", -0").

UL924 Sequence of Operation

For 90 minutes following any complete AC power interruption >200 ms:

- Digital dimming is commanded to high end trim level.
- Device ignores wireless lighting control commands.



BLT-2X2

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Accessories & Replacement Parts

Accessories: Order as separate catalog number.	
DGA22	Drywall grid adapter for 2x2 recessed fixture
2X2SMKSH PAF	Surface Mount Troffer Kit Post Paint
RK8BDP 2P U	Disconnect Plug (BDP), 2 Pole, Package of 1
RK8BDP 3P U	Disconnect Plug (BDP), 3 Pole, Package of 1
RK8BDP 2P J10	Disconnect Plug (BDP), 2 Pole, Package of 10
RK8BDP 2P J40	Disconnect Plug (BDP), 2 Pole, Package of 40

Replacement Parts: Order as separate catalog number.		
*247WJV	2DBLT24 ADP LENS ASSEMBLY	2 ft. replacement lens
*249P2P	2DBLT24 SDP LENS ASSEMBLY	2 ft. replacement lens
*249P2W	2DBLT24 ADSM LENS ASSEMBLY	2 ft. replacement lens
*249P32	2DBLT24 SDSM LENS ASSEMBLY	2 ft. replacement lens
*237LT1	2DBLT24 ADPT LENS ASSEMBLY	2 ft. replacement lens
*237LT3	2DBLT24 SDPT LENS ASSEMBLY	2 ft. replacement lens
*237LT5	2DBLT24 ADSMT LENS ASSEMBLY	2 ft. replacement lens
*237LT7	2DBLT24 SDSMT LENS ASSEMBLY	2 ft. replacement lens
*237LT9	2DBLT24 ADPT SENSOR LENS ASSEMBLY	2 ft. replacement lens
*237M4Y	2DBLT24 SDPT SENSOR LENS ASSEMBLY	2 ft. replacement lens
*237M57	2DBLT24 ADSMT SENSOR LENS ASSEMBLY	2 ft. replacement lens
*237M5H	2DBLT24 SDSMT SENSOR LENS ASSEMBLY	2 ft. replacement lens

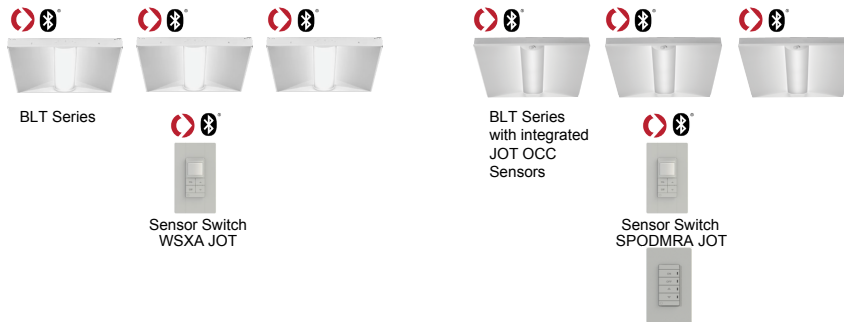
JOT Wireless



Sensor Switch JOT Enabled Wireless Solution

Designed with contractors in mind, the Sensor Switch JOT enabled wireless solution offers a straightforward approach to the installation and pairing of lighting fixtures and controls. Absolutely no 0-10V control wires and no mobile apps are needed with JOT enabled products, allowing for lightning speed installation right out of the box.

- 1. Power:** Install JOT enabled fixtures and controls as instructed.
- 2. Pair:** Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
- 3. Play:** Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.



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2BLT Volumetric Recessed Lighting 2'x2'

nLight Platform

nLight embedded fixtures offer:	Customers get:
Manual Dimming	Convenience and visual comfort for occupants
Motion Sensing and/or Daylight Harvesting	Energy savings and code compliance
Fixture or Group Level Control	Ability to configure lighting to the space requirements
Flexibility	Ease of fixture moves, adds and changes
Wireless Wall Switch (nLight AIR Only)	Ease and flexibility of placement
Astronomical and Time of Day Scheduling	Energy savings and building security
Scalable Solution	nLight controls to grow with your business
Future-Ready	nLight platform to set foundation for future upgrades and capabilities

nLight Air Wireless

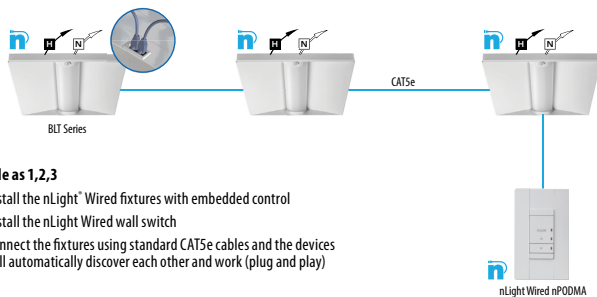


Simple as 1,2,3

1. Install the nLight® AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome



nLight Wired Networking



Simple as 1,2,3

1. Install the nLight® Wired fixtures with embedded control
2. Install the nLight Wired wall switch
3. Connect the fixtures using standard CAT5e cables and the devices will automatically discover each other and work (plug and play)



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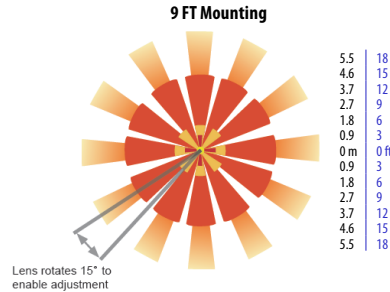
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2BLT Volumetric Recessed Lighting 2'x2'

Sensor Options					
Option	Automatic Dimming Photocell	Occupancy Sensing		nLight Wired Networking	nLight AIR Networking
		PIR	PDT		
MSD7ADCX	X	X			
MSDPDT7ADCX	X		X		
NES7		X		X	
NES7ADCX	X	X		X	
NESPDT7			X	X	
NESPDT7ADCX	X		X	X	
RES7	X	X			X
RESPDT7	X	X	X		X

Sensor Coverage Pattern Mini 360° Lens

- Recommended for walking motion detection from mounting heights between 8 ft (2.44 m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m) and
- 1.75x up to 20 ft (6.10 m).
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74 m)
- Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor



Integrated Sensor with Individual Control

The MSD7ADCX PIR occupancy sensor/automatic dimming photocell is ideal for areas without obstructions and where daylight harvesting may be desired. Suggested applications include, but not limited to, hallways, corridors, storage rooms, and breakrooms or other areas where people are typically moving.

The MSDPDT7ADCX PIR/Microphonics Dual Tech occupancy sensor/automatic dimming photocell is ideal for areas with obstructions and where daylight harvesting is desired. Suggested applications include, but not limited to, open offices, private offices, classrooms, public restrooms, and conference rooms.

nLight AIR Wireless

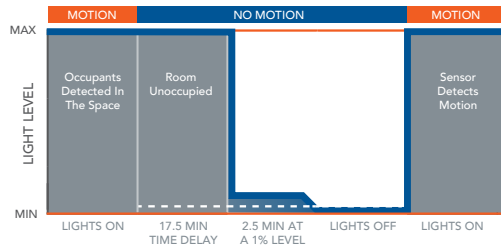
nLight AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and nLight AIR is available with or without an integral sensor. The integrated rES7 or rES7PDT smart sensors are part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application.

nLight Wired Networking

The nES7 is ideal for small rooms without obstructions or areas with primarily walking motion. Ideal areas include hallways, corridors, storage rooms, and breakrooms. Additionally, the nES7ADCX includes an integrated photocell, which enables daylight harvesting controls.

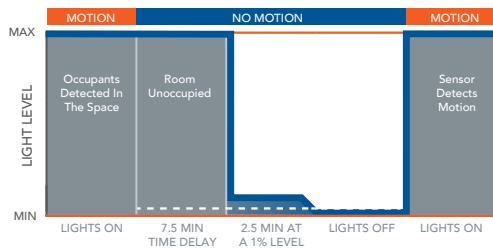
For areas like restrooms, private offices, open offices, conference rooms or any space with obstructions, the nES PDT 7 dual technology sensor is recommended. The nES PDT 7 utilizes both PIR (passive infrared) and Microphonics technologies to detect occupancy. Additionally, the nESPDT7ADCX includes an integrated photocell, which enables daylight harvesting controls which is ideal for areas where windows are present.

Sequence of Operation (MSD7 Sensor)



*The presetting on the automatic dimming photocell is 5fc.

Sequence of Operation (nES7 and rES7 and Sensor)



*The presetting on the automatic dimming photocell is 5fc (NES7) and 10fc (RES7).



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Controls Accessories

nLight® Wired Control Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight.

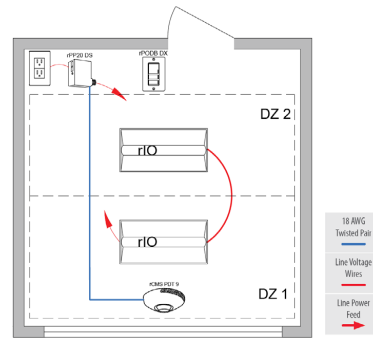
WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODMA [Color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 RJB / nCM PDT 9 RJB
On/Off & raise/lower	nPODMA DX [Color]	Large motion 360°, ceiling (PIR / dual tech)	nCM10 RJB / nCM PDT 10 RJB
Graphic touchscreen	nPOD TOUCH [Color]	Wall switch with raise/lower	nWSX PDT LV DX [color]
Photocell controls	Model number	Cat-5 cable (plenum rated)	Model number
Full range dimming	nCM ADCX RJB	10' cable	CATS 10FT J1
		30' cable	CATS 30FT J1

nLight® AIR Control Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

Wall switches	Model number
On/Off single pole	rPODBA [color] G2
On/Off two pole	rPODB A2P [color] G2
On/Off & raise/lower single pole	rPODBA DX [color] G2
On/Off & raise/lower two pole	rPODBA 2P DX [color] G2

BLT fixtures with integrated rIO devices complement any small office space. Pair them with an rCMS occupancy sensor and the space now has wireless occupancy sensing and dimming capability. For additional configuration options please consult with Tech Support.



rCMS ¹		Example: RCMS PDT 10 AR G2					
Series / Detection	Power Supply ¹	Occupancy Detection	Lens (Required)		Operating Mode	Generation	
RCMS nLight AIR occupancy and daylight sensor	[blank] Power Supply ordered separately	[blank] PIR Detection PDT Dual Tech PIR/Microphonics	10	Large Motion/ Extended Range 360°	[BLANK] None AR Auxiliary Relay	G2	Generation 2 compatibility
	PS 150 Standard 150 mA Power Supply		9	Small Motion/ Extended Range 360°			
			6	High Bay 360° Lens			

Notes

1 RCMS requires low voltage power from either RPP20 DS 24V G2 or PS150.



Sensor Switch
WSX



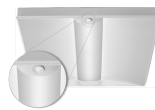
nLight WIRED
NPOD UNITOUCH



nLight WIRED
nPODMA DX



nLight AIR
rPODBA



BLT with rIO



rPODBA



RCMS



BLT-2X2

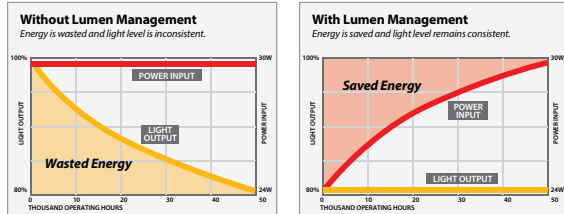
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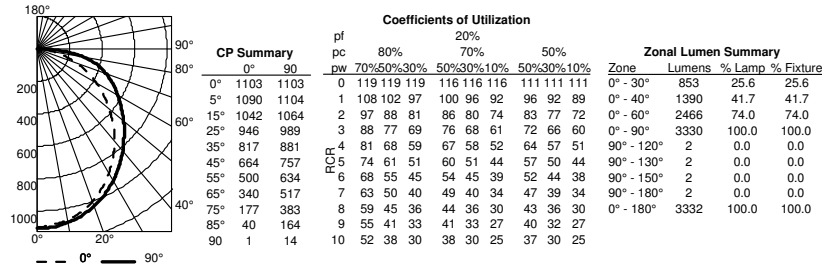
Constant Lumen Management

Enabled by the embedded nLight control, the BLT actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.

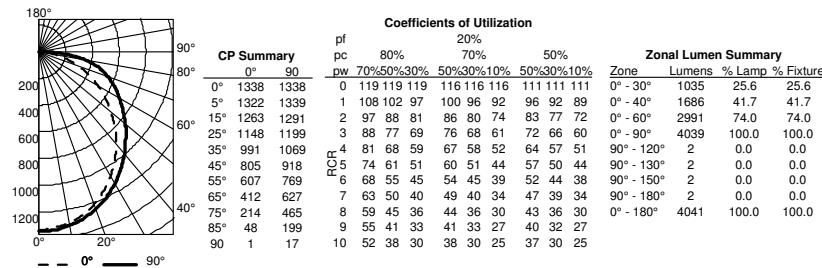


PHOTOMETRICS

2BLT2 33L ADP LP835, 3332 delivered lumens, test no. ISF36900P19, tested in accordance to IESNA LM-79



2BLT2 40L ADP LP835, 4041 delivered lumens, test no. ISF36900P35, tested in accordance to IESNA LM-79



BLT-2X2

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2BLT Volumetric Recessed Lighting 2'x2'

Performance Data					
Model Number	Lumens	LPW	Watts	DLC Listing	DLC ID
2BLT2 20L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	2065.45	124.06	16.64	Premium	PM92196A
2BLT2 20L ADP EZ1 (GZ10) LP835 [All Options]	2033	126.58	16.06	Premium	P6445UVD
2BLT2 20L ADP GZ1 LP835 [All Options]	2033	122.11	16.64	standard	PLNK6MX8
2BLT2 20L ADPT EZ1 (GZ10) LP840 [All Options]	2037.91	126.89	16.06	Premium	PYX150EQ
2BLT2 20L ADPT GZ1 LP835 [All Options]	2005.89	120.49	16.64	standard	P40HQGLB
2BLT2 20L ADPT GZ1 LP840 [All Options]	2037.91	122.41	16.64	standard	P83HB9AK
2BLT2 33L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	3332	124.92	26.67	Premium	PHSXHE8F
2BLT2 33L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	3385.19	126.91	26.67	Premium	PD18KQ08
2BLT2 33L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	3340.05	125.22	26.67	Premium	PF98CZ2H
2BLT2 33L ADPT EZ1 (GZ10) LP835 [All Options]	3287.57	125.14	26.27	Premium	PTKZR9WQ
2BLT2 33L ADPT GZ1 LP835 [All Options]	3287.57	123.25	26.67	standard	PTN5023N
2BLT2 40L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4041	127.35	31.73	Premium	P1XWW9GV
2BLT2 40L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4105.51	129.38	31.73	Premium	PHCQ2CQF
2BLT2 40L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	3987.12	125.65	31.73	Premium	PW6RMMJ4
2BLT2 40L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4050.77	127.65	31.73	Premium	P5YDA8A8
2BLT2 48L ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4800	109.9	43.67	standard	PJRHR1G
2BLT2 48L ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4876.63	111.66	43.67	standard	P8G93YOK
2BLT2 48L ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4736	108.44	43.67	standard	PITU3V6X
2BLT2 48L ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4811.61	110.17	43.67	standard	P5X2XU76

DLC information is subject to change, for the most up-to-date information please refer to www.dlc.org. Above listings do not cover 347v or SLD.

HE Performance Data					
Model Number	Lumens	LPW	Watts	DLC Listing	DLC ID
2BLT2 20LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	1948	130.59	14.91	Premium	PUQCZNI
2BLT2 20LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	1979.1	132.67	14.91	Premium	PJCZRW21
2BLT2 20LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	1952.71	130.9	14.91	Premium	PLC4RF4L
2BLT2 33LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	3392	137.3	24.7	Premium	PXXZN9PH
2BLT2 33LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	3446.15	139.5	24.7	Premium	PKPJYRF
2BLT2 33LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	3346.77	135.47	24.7	Premium	PZC8B2SS
2BLT2 33LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	3400.2	137.64	24.7	Premium	PM5G8AFU
2BLT2 40LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4118	133.71	30.79	Premium	PJ55XFFP
2BLT2 40LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4183.74	135.85	30.79	Premium	PEGFHPZD
2BLT2 40LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4063.09	131.93	30.79	Premium	P8E16E9B
2BLT2 40LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4127.96	134.04	30.79	Premium	PFRSS5VG
2BLT2 48LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]	4845	128	37.85	Premium	P558XU2P
2BLT2 48LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]	4922.35	130.04	37.85	Premium	P1863H56
2BLT2 48LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options]	4780.4	126.29	37.85	Premium	PHPTG5M8
2BLT2 48LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options]	4856.71	128.31	37.85	Premium	PBKN954Z

DLC information is subject to change, for the most up-to-date information please refer to www.dlc.org. Above listings do not cover 347v or SLD.

How to Estimate Delivered Lumens in Emergency Mode

Use the formula below to estimate the delivered lumens in emergency mode

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver. P = 10W for E10WLCP option.

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet. LPW = Lumen per watt rating of the luminaire. LPW information available in Performance Data section.



BLT-2X2

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PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

Rev: 2018/11/08

TYPE L4

CB5518 – POSH™



Type: Project: VisaLighting.com/products/Posh

Order Code: **CB5518** -

MODEL SOURCE VOLTAGE FINISH OPTION(S)



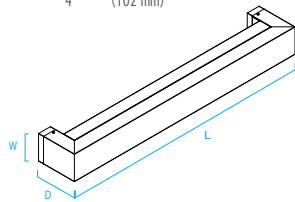
This minimalist design creates a sophisticated look providing soft, indirect light with performance and energy efficiency. Available in 3 lengths, this unique fixture provides beautiful light without harsh glare.

DIMENSIONS

Depth is measured from wall to front of fixture

L = Length D = Depth W = Width

W	3"	(72 mm)
L	27-3/4"	(705 mm)
D	4"	(102 mm)



A SOURCE (Select one) and VOLTAGE

MVOLT fixture accepts 120 through 277 input voltage
LED Sources are 83CRI, within 3-step MacAdam and are dimmable 0-10V to 1%

LED Sources	CCT	Delivered Lumens	Power (Watts)	Voltage
• L30K-L	3000K	1100	10	MVOLT
L35K-L	3500K			
• L40K-L	4000K			
• L30K-H	3000K	1700	15	
L35K-H	3500K			
• L40K-H	4000K	1800		

B FINISHES (Select one)

See page 3 for color chart

Powder Coat Painted Finishes (Standard)

AG7038	Agate Grey	CVBL	Cove Blue	GW9002	Grey White	PB1035	Pearl Beige
BMAT	Bronze Matte	CW9001	Cream	HTHR	Heather	RUST	Rust
BRNZ	Bronze	GLIM	Glimmer	JB9005	Jet Black	SUNG	Sungold
BSIL	Blade Silver	GSIL	Graphite Silver	OBRZ	Old Bronze	TW9016	Traffic White

Metal Finishes (Premium)

BA	Brushed Aluminum	OBA	Oil-rubbed Bronze Alternative
BBA	Brushed Brass Alternative	PRA	Pewter Alternative
BCA	Brushed Chrome Alternative	RBA	Rustic Brass Alternative
BUA	Brushed Copper Alternative	SNA	Satin Nickel Alternative
BZA	Brushed Bronze Alternative		

C OPTIONS (Multiple Selections Allowed)

⚠ Option availability may be interdependent with Voltage, Source or Other Options

JBC	Junction box cover (4-1/2" square) for use with an existing 4" octagonal junction box. Painted to match finish
XPS	Express 10 day shipping. Items marked with a bullet (•) are not available with XPS

ELECTRICAL CONTRACTOR TO DETERMINE APPROPRIATE MOUNTING HARDWARE & ACCESSORIES



LED



ADA Compliant



XPS



ETL Listed

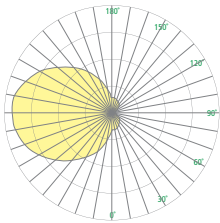


5 Year Warranty

CB5518 – POSH



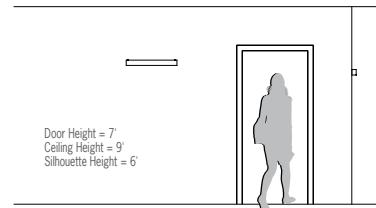
Photometrics



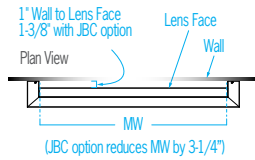
Technical Information

- Integral power supply
- Modular design for replacement of LED source and power supply
- Horizontal or vertical mount
- Mounts without electrical junction box with provided hardware, or to 4" x 4" standard electrical junction box (by others) if JBC option is selected
- Extruded white acrylic diffuser with matte finish
 - ◆ UV stable
 - ◆ UL-94 HB Flame Class rated
- No VOC powder coat paint; Low VOC clear coat on metal finishes
- ETL listed for damp locations. Not suited for exterior applications

Relative Scale Drawing



JBC Option Detail



CB5518 – POSH

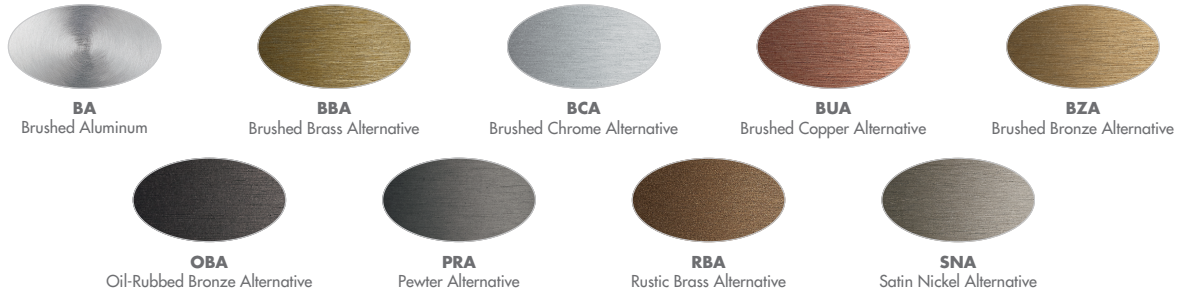


Specify color code when ordering. For accurate color matching, individual paint and finish samples are [available upon request](#)
 For additional information see VisaLighting.com/materials-finishes

Painted Finishes (Standard)



Metal Finishes (Premium)



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FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.
CONSTRUCTION — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs.

Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment. Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 1-1/2".

OPTICS — LEDs are binned to a 3-step SDCM; 80 CRI minimum. 90 CRI optional.

LED light source concealed with diffusing optical lens.

General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

70% lumen maintenance at 60,000 hours.

LISTINGS — Certified to US and Canadian safety standards. Wet location standard (covered ceiling). IP55 rated. ENERGY STAR® certified product.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:

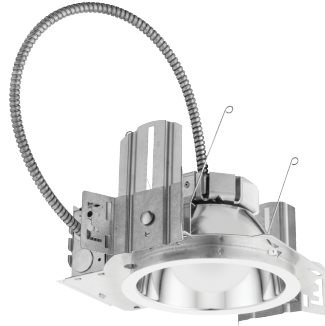
www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Catalog Number	
Notes	
Type	TYPE L6A



LDN6

**6" OPEN and WALLWASH LED
Non-IC
New Construction Downlight**



A+ Capable options indicated by this color background.

PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: LDN6 35/15 L06AR LSS MVOLT EZ10

LDN6		Color temperature		Lumens ¹		Aperture/Trim Color			Finish		Voltage				
LDN6	6" round	27/	2700K	05	500 lumens	25	2500 lumens	L06	Downlight	AR	Clear	LSS	Semi-specular	MVOLT	Multi-volt
		30/	3000K	07	750 lumens	30	3000 lumens	WR ²	White	LD	Matte diffuse	120	120V		
		35/	3500K	10	1000 lumens	40	4000 lumens	BR ²	Black	LS	Specular	277	277V		
		40/	4000K	15	1500 lumens	50	5000 lumens					347 ³	347V		
		50/	5000K	20	2000 lumens										

FINISH TO BE SELECTED BY ARCHITECT

Driver	Options	
GZ10 0-10V driver dims to 10%	SF ⁴	Single fuse
GZ1 0-10V driver dims to 1%	TRW ⁵	White painted flange
EZ10 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 10%	TRBL ⁵	Black painted flange
EZ1 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	EL ⁶	Emergency battery pack with integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
	ELR ⁶	Emergency battery pack with remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
	ELSD ⁶	Emergency battery pack with self-diagnostics, integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
	ELRSD ⁶	Emergency battery pack with self-diagnostics, remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
	E10WCP ⁶	Emergency battery pack, 10W Constant Power with integral test switch. Certified in CA Title 20 MAEDB
	E10WCPR ⁶	Emergency battery pack, 10W Constant Power with remote test switch. Certified in CA Title 20 MAEDB
	NPP16D ⁷	nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).
	NPP16DER ⁷	nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.
	N80 ⁸	nLight™ Lumen Compensation
	NPS80EZ ⁷	nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1).
	NPS80EZER ⁷	nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1). ER controls fixtures on emergency circuit.
	HAO ¹¹	High ambient option
	CP ¹²	Chicago Plenum
	RRL ¹⁰	RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Available only in RRLA, RRLB, RRLAE, and RRLC12S. Refer to RRL spec sheet on www.acuitybrands.com for the RELOC product specifications.
	NLTAIR2 ^{9,10}	nLight® Air enabled
	NLTAIRER2 ^{9,10}	nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit, not available with battery pack options
	USPOM	US point of manufacture
	90CRI	High CRI (90+)

Accessories: Order as separate catalog number.	
PS105SCP	FMC Power Sentry battery pack, T20 compliant, field installable, 10w constant power
EAC ISSM 375	Compact interruptible emergency AC power system
EAC ISSM 125	Compact interruptible emergency AC power system
GRA68 JZ	Oversized trim ring with 8" outside diameter ¹
SCA6	Sloped ceiling adapter. Refer to TECH-SCA for more options.

Notes

- Overall height varies based on lumen package; refer to dimensional chart on page 3.
- Not available with finishes.
- Not available with emergency options.
- Must specify voltage 120V or 277V.
- Available with clear (AR) reflector only.
- 12.5" of plenum depth or top access required for battery pack maintenance.
- Specify voltage. ER for use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
- Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZ ER. Only available with EZ10 and EZ1 drivers.
- Not available with CP, NPS80EZ, NPS80EZER, NPP16D, NPP16DER or N80 options.
- NLTAIR2 and NLTAIRER2 not recommended for metal ceiling installations.
- Fixture height is 6.5" for all lumen packages with HAO.
- Must specify voltage for 3000lm and above. 5000lm with marked spacing 24 L x 24 W x 14 H. Not available with emergency battery pack option.

DOWNLIGHTING

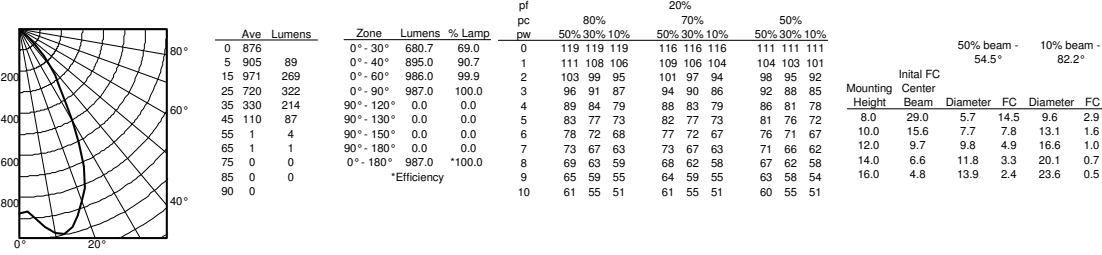
LDN6

LDN6

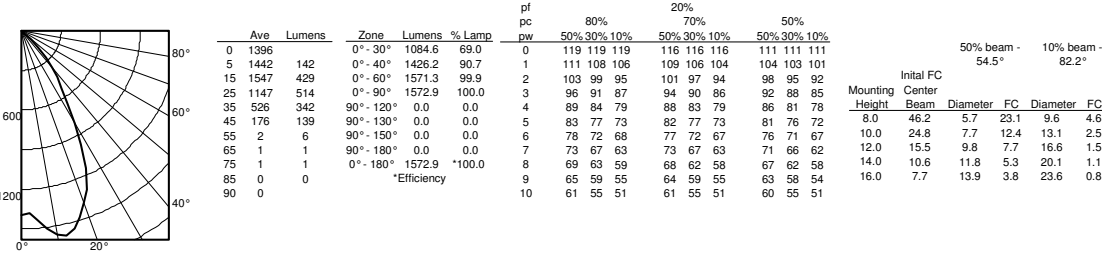
PHOTOMETRY

Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance Data at 30" Above Floor for a Single Luminaire

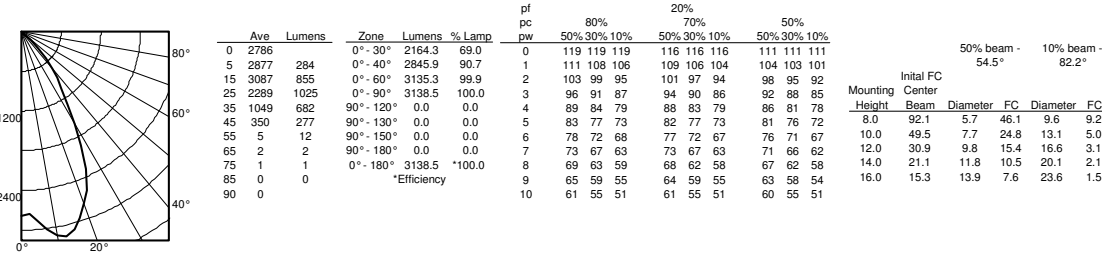
LDN6 35/10 L06AR, input watts: 10.44, delivered lumens: 987.10, LM/W = 94.54, spacing criterion at 0= 1.02, test no. ISF 30716P262.



LDN6 35/15 L06AR, input watts: 17.52, delivered lumens: 1572.9, LM/W = 89.77, spacing criterion at 0= 1.02, test no. ISF 30716P265.



LDN6 35/30 L06AR, input watts: 34.75, delivered lumens: 3138.5, LM/W = 90.31, spacing criterion at 0= 1.02, test no. ISF 30716P274.



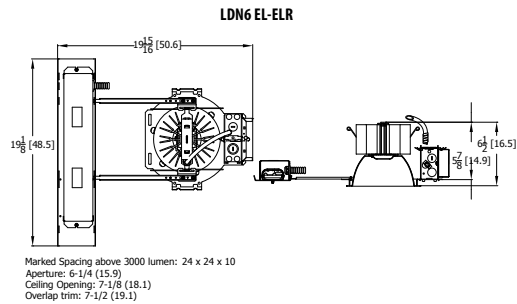
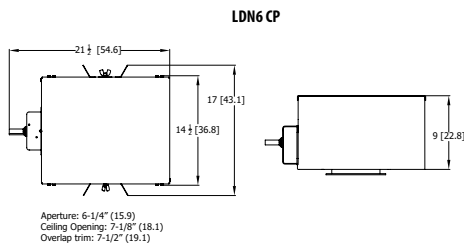
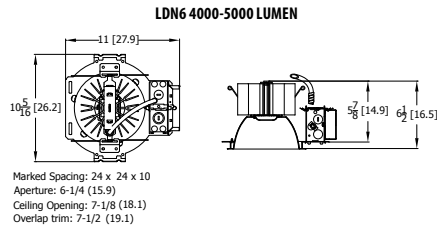
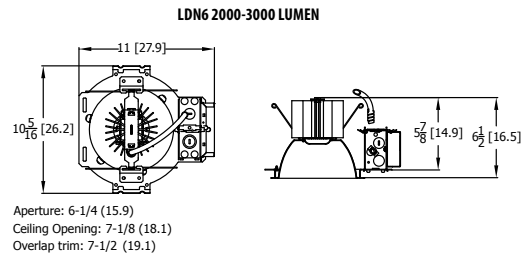
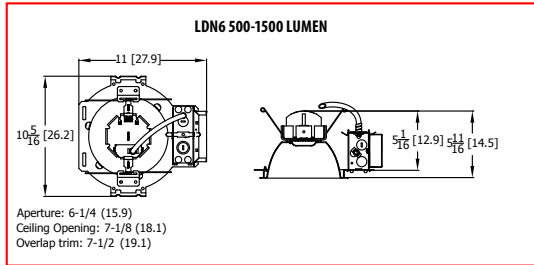
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LDN6

* All dimensions are inches (centimeters) unless otherwise noted.



LDN6			
Nominal Lumens	Lumens	Wattage	Lm/W
500	527.9	5.8	90.5
750	758.1	8.9	85.1
1000	950.1	10.4	91.0
1500	1514	17.5	86.4
2000	2006	22.5	89.1
2500	2504	28.3	88.6
3000	3021	34.8	86.9
4000	4008	44.3	90.6
5000	4975	57.7	86.3

HOW TO ESTIMATE DELIVERED LUMENS IN EMERGENCY MODE

Use the formula below to estimate the delivered lumens in emergency mode

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

The LPW rating is also available at Designlight Consortium.

	LUMEN OUTPUT MULTIPLIERS - FINISH		
	Clear (AR)	White (WR)	Black (BR)
Specular (LS)	1.0	N/A	N/A
Semi-specular (LSS)	0.950	N/A	N/A
Matte diffuse (LD)	0.85	N/A	N/A
Painted	N/A	0.87	0.73

	LUMEN OUTPUT MULTIPLIERS - CCT				
	2700K	3000K	3500K	4000K	5000K
80CRI	0.950	0.966	1.000	1.025	1.101

Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.



LDN6

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LDN6

ADDITIONAL DATA

COMPATIBLE 0-10V WALL-MOUNT DIMMERS		
MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DDTV	
	Diva® DVSCTV	
	Nova T® NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System	
	IlumaTech® IP7 Series	
Synergy®	ISD BC	RDMFC
	SLD LPCS	
	Digital Equinox (DEQ BC)	
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V)	
	Tap Glide Heatsink TGH1500FAM120 (120V)	
	Oasis OA2000FAMU	
Honeywell	EL7315A1019	EL7305A1010 (optional)
	EL7315A1009	
HUNT Dimming	Preset slide: PS-010-IV and PS-010-WH	
	Preset slide: PS-010-3W-IV and PS-010-3W-WH	
	Preset slide, controls FD-010: PS-IFC-010-IV and PS-IFC-010-WH-120/277V	
	Preset slide, controls FD-010: PS-IFC-010-3W-IV and PS-IFC-010-3W-WH-120/277V	
	Remote mounted unit: FD-010	
Lehigh Electronic Products	Solitaire	PBX
PDM Electrical Products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALInet Router
WattStopper®	LS-4 used with LCD-101 and LCD-103	

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background***
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

LDN6

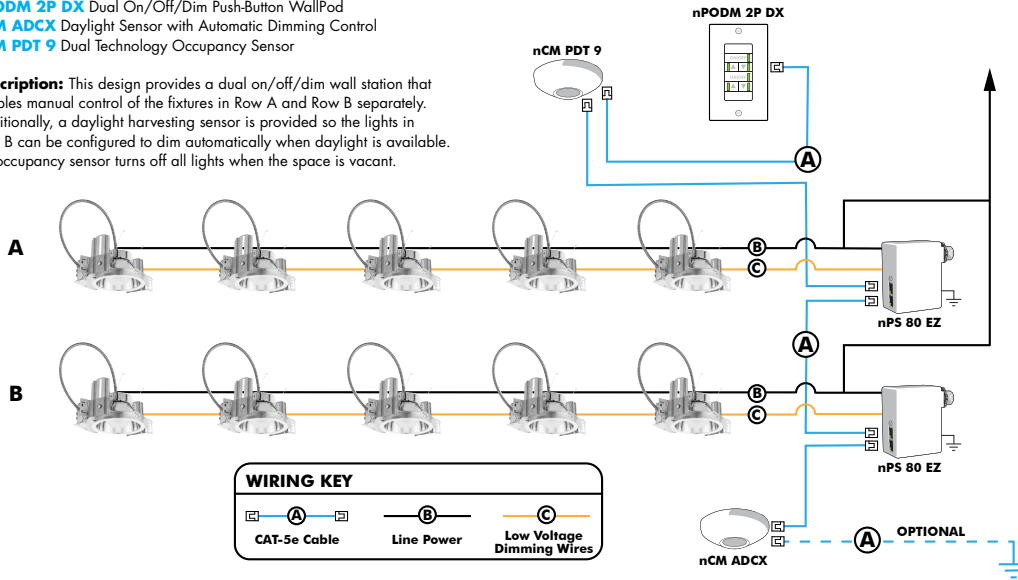
EXAMPLE

Group Fixture Control*

*Application diagram applies for fixtures with eldoLED drivers only.

- nPS 80 EZ** Dimming/Control Pack (qty: 2 required)
- nPODM 2P DX** Dual On/Off/Dim Push-Button WallPod
- nCM ADCX** Daylight Sensor with Automatic Dimming Control
- nCM PDT 9** Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in Row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.



Choose Wall Controls

nLight offers multiple styles of wall controls - each with varying features and user experience.



Push-Button Wallpod
Traditional tactile buttons and LED user feedback



Graphic Wallpod
Full color touch screen provides a sophisticated look and feel

nLight® Wired Controls Accessories:

nLight® Wired Controls Accessories:			
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight for complete listing of nLight controls.			
WallPod Stations	Model number	Occupancy sensors	Model Number
On/Off	nPODM (Color)	Small motion 360°, ceiling (PIR/dual Tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPOD DX (Color)	Large motion 360°, ceiling (PIR/dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX (Color)	Wide View (PIR/dual tech)	nWV 16 / nWV PDT 16
Photocell controls	Model Number	Wall Switch w/ Raise/Lower (PIR/dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	Cat-5 cables (plenum rated)	Model Number
		10', CAT5 10FT	CAT5 10FT J1
		15, CAT5 15FT	CAT5 15FT J1

nLight® AIR Control Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

Wall switches	Model number
On/Off single pole	rPODB [color]
On/Off two pole	rPODB 2P [color]
On/Off & raise/lower single pole	rPODB DX [color]
On/Off & raise/lower two pole	rPODB 2P DX [color]
On/Off & raise/lower single pole	rPODBZ DX WH ¹

Notes

¹ Can only be ordered with the RES7Z zone control sensor version.

nLight AIR

nLight AIR is the ideal solution for retrofit or new construction spaces where adding communication is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each Lithonia LDN Luminaire. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.



Simple as 1,2,3

1. Install the nLight® AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome



LDN6



FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.
CONSTRUCTION — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs.

Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment. Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 1-1/2".

OPTICS — LEDs are binned to a 3-step SDCM; 80 CRI minimum. 90 CRI optional.

LED light source concealed with diffusing optical lens.

General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

70% lumen maintenance at 60,000 hours.

LISTINGS — Certified to US and Canadian safety standards. Wet location standard (covered ceiling). IP55 rated. ENERGY STAR® certified product.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

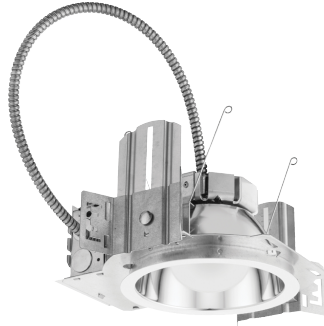
All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Catalog Number	
Notes	
Type	TYPE L6B

LDN6

**6" OPEN and WALLWASH LED
Non-IC
New Construction Downlight**



A+ Capable options indicated by this color background.

PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: LDN6 35/15 L06AR LSS MVOLT EZ10

LDN6		Color temperature		Lumens ¹		Aperture/Trim Color			Finish			Voltage					
LDN6	6" round	27/	2700K	05	500 lumens	25	2500 lumens	L06	Downlight	AR	Clear	LSS	Semi-specular	MVOLT	Multi-volt		
		30/	3000K	07	750 lumens	30	3000 lumens									LW6	Wallwash
		35/	3500K	10	1000 lumens	40	4000 lumens	BR ²	Black	LS	Specular	277	277V				
		40/	4000K	15	1500 lumens	50	5000 lumens										
		50/	5000K	20	2000 lumens												

FINISH TO BE SELECTED BY ARCHITECT

Driver	Options	
GZ10 0-10V driver dims to 10%	SF ⁴	Single fuse
GZ1 0-10V driver dims to 1%	TRW ⁵	White painted flange
EZ10 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 10%	TRBL ⁵	Black painted flange
EZ1 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	EL ⁶	Emergency battery pack with integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
	ELR ⁶	Emergency battery pack with remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
	ELSD ⁶	Emergency battery pack with self-diagnostics, integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
	ELRSD ⁶	Emergency battery pack with self-diagnostics, remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS
	E10WCP ⁶	Emergency battery pack, 10W Constant Power with integral test switch. Certified in CA Title 20 MAEDB
	E10WCPR ⁶	Emergency battery pack, 10W Constant Power with remote test switch. Certified in CA Title 20 MAEDB
	NPP16D ⁷	nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).
	NPP16DER ⁷	nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.
	N80 ⁸	nLight™ Lumen Compensation
	NPS80EZ ⁷	nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1).
	NPS80EZER ⁷	nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1). ER controls fixtures on emergency circuit.
	HAO ¹¹	High ambient option
	CP ¹²	Chicago Plenum
	RRL ¹⁰	RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Available only in RRLA, RRLB, RRLAE, and RRLC12S. Refer to RRL spec sheet on www.acuitybrands.com for the RELOC product specifications.
	NLTAIR2 ^{9,10}	nLight® Air enabled
	NLTAIRER2 ^{9,10}	nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit, not available with battery pack options
	USPOM	US point of manufacture
	90CRI	High CRI (90+)

Accessories: Order as separate catalog number.	
PS105SCP	FMC Power Sentry battery pack, T20 compliant, field installable, 10w constant power
EAC ISSM 375	Compact interruptible emergency AC power system
EAC ISSM 125	Compact interruptible emergency AC power system
GRA68 JZ	Oversized trim ring with 8" outside diameter ¹
SCA6	Sloped ceiling adapter. Refer to TECH-SCA for more options.

Notes

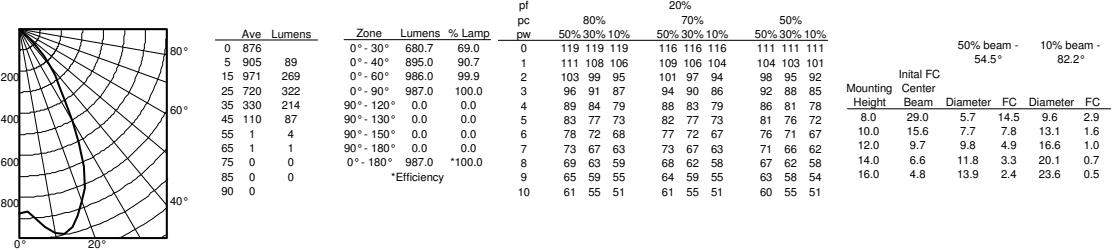
- Overall height varies based on lumen package; refer to dimensional chart on page 3.
- Not available with finishes.
- Not available with emergency options.
- Must specify voltage 120V or 277V.
- Available with clear (AR) reflector only.
- 12.5" of plenum depth or top access required for battery pack maintenance.
- Specify voltage. ER for use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
- Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZ ER. Only available with EZ10 and EZ1 drivers.
- Not available with CP, NPS80EZ, NPS80EZER, NPP16D, NPP16DER or N80 options.
- NLTAIR2 and NLTAIRER2 not recommended for metal ceiling installations.
- Fixture height is 6.5" for all lumen packages with HAO.
- Must specify voltage for 3000lm and above. 5000lm with marked spacing 24 L x 24 W x 14 H. Not available with emergency battery pack option.

LDN6

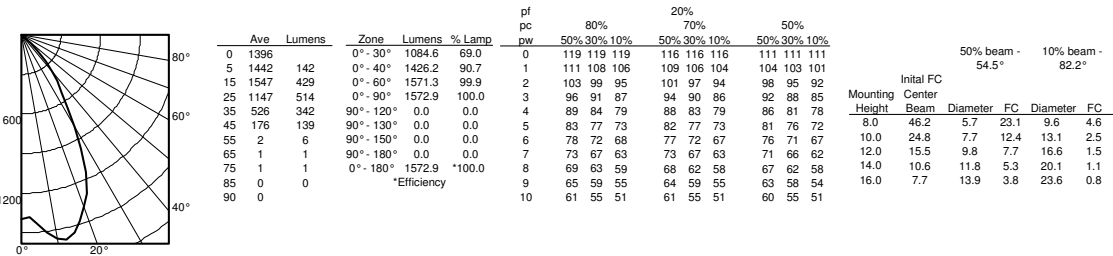
PHOTOMETRY

Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance Data at 30" Above Floor for a Single Luminaire

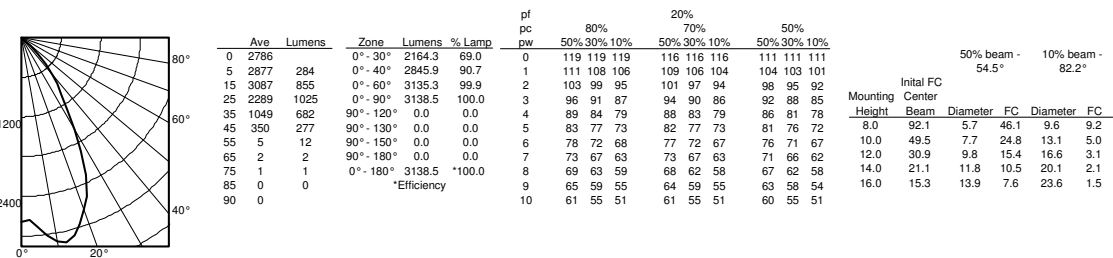
LDN6 35/10 L06AR, input watts: 10.44, delivered lumens: 987.10, LM/W = 94.54, spacing criterion at 0= 1.02, test no. ISF 30716P262.



LDN6 35/15 L06AR, input watts: 17.52, delivered lumens: 1572.9, LM/W = 89.77, spacing criterion at 0= 1.02, test no. ISF 30716P265.



LDN6 35/30 L06AR, input watts: 34.75, delivered lumens: 3138.5, LM/W = 90.31, spacing criterion at 0= 1.02, test no. ISF 30716P274.



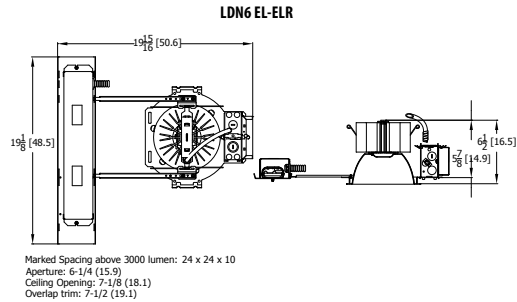
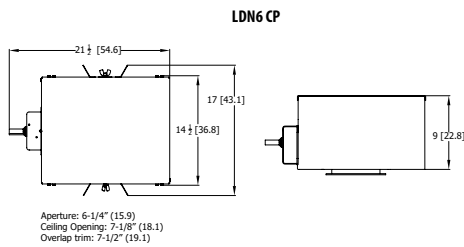
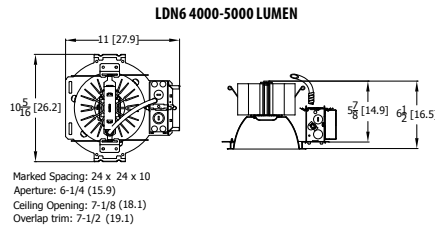
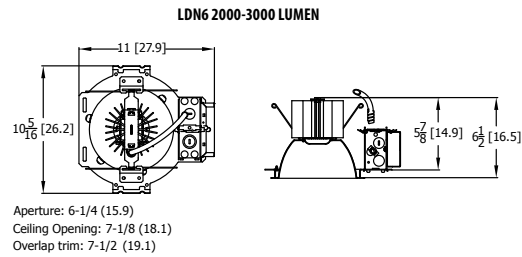
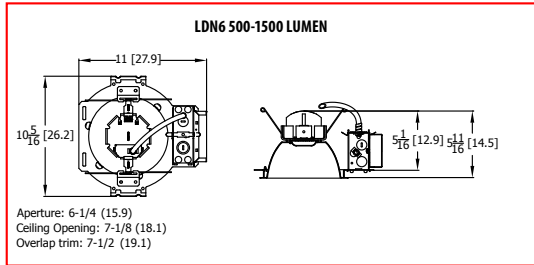
LDN6

DOWNLIGHTING: One Lithonia Way Conyers, GA 30012 Phone: 800-705-SERV (7378) www.lithonia.com

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LDN6

* All dimensions are inches (centimeters) unless otherwise noted.



LDN6			
Nominal Lumens	Lumens	Wattage	Lm/W
500	527.9	5.8	90.5
750	758.1	8.9	85.1
1000	950.1	10.4	91.0
1500	1514	17.5	86.4
2000	2006	22.5	89.1
2500	2504	28.3	88.6
3000	3021	34.8	86.9
4000	4008	44.3	90.6
5000	4975	57.7	86.3

HOW TO ESTIMATE DELIVERED LUMENS IN EMERGENCY MODE

Use the formula below to estimate the delivered lumens in emergency mode

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

The LPW rating is also available at Designlight Consortium.

	LUMEN OUTPUT MULTIPLIERS - FINISH		
	Clear (AR)	White (WR)	Black (BR)
Specular (LS)	1.0	N/A	N/A
Semi-specular (LSS)	0.950	N/A	N/A
Matte diffuse (LD)	0.85	N/A	N/A
Painted	N/A	0.87	0.73

	LUMEN OUTPUT MULTIPLIERS - CCT				
	2700K	3000K	3500K	4000K	5000K
80CRI	0.950	0.966	1.000	1.025	1.101

Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.



LDN6

LDN6

ADDITIONAL DATA

COMPATIBLE 0-10V WALL-MOUNT DIMMERS		
MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DDTV	
	Diva® DVSCTV	
	Nova T® NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System IllumaTech® IP7 Series	
Synergy®	ISD BC	RDMFC
	SLD LPCS	
	Digital Equinox (DEQ BC)	
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V)	
	Tap Glide Heatsink TGH1500FAM120 (120V)	
	Oasis OA2000FAMU	
Honeywell	EL7315A1019	EL7305A1010 (optional)
	EL7315A1009	
HUNT Dimming	Preset slide: PS-010-IV and PS-010-WH	
	Preset slide: PS-010-3W-IV and PS-010-3W-WH	
	Preset slide, controls FD-010: PS-IFC-010-IV and PS-IFC-010-WH-120/277V	
	Preset slide, controls FD-010: PS-IFC-010-3W-IV and PS-IFC-010-3W-WH-120/277V	
	Remote mounted unit: FD-010	
Lehigh Electronic Products	Solitaire	PBX
PDM Electrical Products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALInet Router
WattStopper®	LS-4 used with LCD-101 and LCD-103	

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background***
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

LDN6

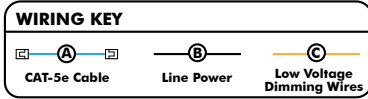
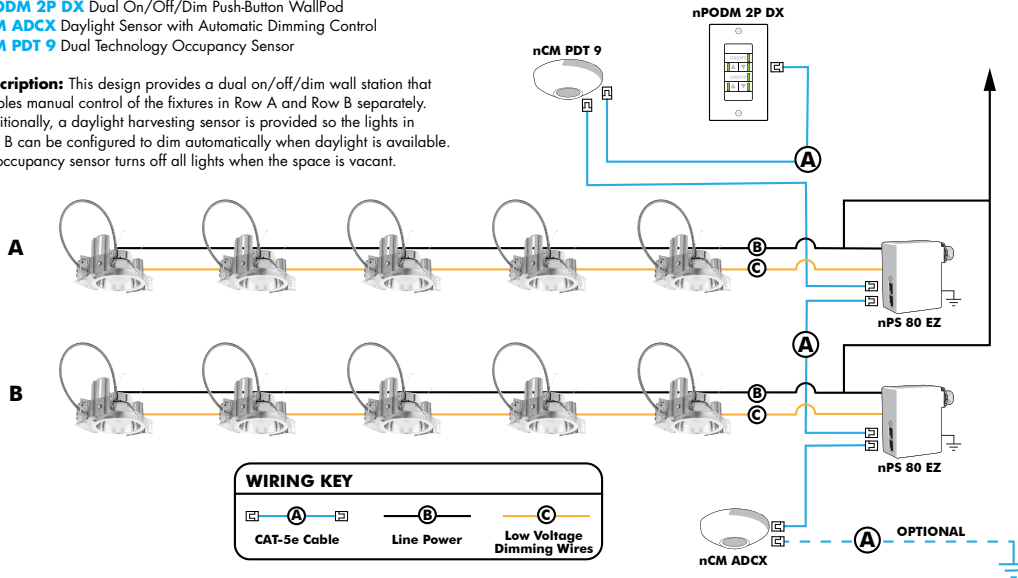
EXAMPLE

Group Fixture Control*

*Application diagram applies for fixtures with eldoLED drivers only.

- nPS 80 EZ** Dimming/Control Pack (qty: 2 required)
- nPODM 2P DX** Dual On/Off/Dim Push-Button WallPod
- nCM ADCX** Daylight Sensor with Automatic Dimming Control
- nCM PDT 9** Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in Row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.



Choose Wall Controls

nLight offers multiple styles of wall controls - each with varying features and user experience.



Push-Button Wallpod
Traditional tactile buttons and LED user feedback



Graphic Wallpod
Full color touch screen provides a sophisticated look and feel

nLight® Wired Controls Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight for complete listing of nLight controls.			
WallPod Stations	Model number	Occupancy sensors	Model Number
On/Off	nPODM (Color)	Small motion 360°, ceiling (PIR/dual Tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPOD DX (Color)	Large motion 360°, ceiling (PIR/dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX (Color)	Wide View (PIR/dual tech)	nWV 16 / nWV PDT 16
Photocell controls	Model Number	Wall Switch w/ Raise/Lower (PIR/dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	Cat-5 cables (plenum rated)	Model Number
		10', CAT5 10FT	CAT5 10FT J1
		15, CAT5 15FT	CAT5 15FT J1

nLight® AIR Control Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

Wall switches	Model number
On/Off single pole	rPODB [color]
On/Off two pole	rPODB 2P [color]
On/Off & raise/lower single pole	rPODB DX [color]
On/Off & raise/lower two pole	rPODB 2P DX [color]
On/Off & raise/lower single pole	rPODBZ DX WH ¹

Notes

¹ Can only be ordered with the RES7Z zone control sensor version.

nLight AIR

nLight AIR is the ideal solution for retrofit or new construction spaces where adding communication is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each Lithonia LDN Luminaire. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.



Simple as 1,2,3

1. Install the nLight® AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome



LDN6

DOWNLIGHTING: One Lithonia Way Conyers, GA 30012 Phone: 800-705-SERV (7378) www.lithonia.com

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FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for use in applications where smart, energy-efficient fixtures are desired. Typical applications include parking garages, canopies, transportation, schools, hospitals, cold storage and exterior retail environments where moisture or dust is a concern. Polycarbonate enclosure protects fixture while remaining easy to service and clean. Not for use or installation in direct outdoor sunlight. Must be installed under canopy or covered ceiling. For direct sunlight installations, please refer to the [FEX](#) product family. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.**

CONSTRUCTION — UV-stabilized, injection-molded, impact-resistant, frosted polycarbonate housing with continuous poured in place, closed-cell gasket. 20-gauge steel channel and channel cover. Aluminum sheet metal board plate for thermal conduction and support. Captive, tamper-resistant, polycarbonate latches standard (8 Torx T-20 tamper-resistant screws included). Stainless steel latches also available. Fixture design allows for approximately 4% up-light.

OPTICS — UV-stabilized, injection-molded, impact-resistant, clear transparent and frosted, polycarbonate lens with aesthetic rib detail (.080" thick). Micro 5 aluminum reflector used to achieve wide distribution.

ELECTRICAL — Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Standard 0-10V dimming. Integral 6kV/3kA surge protection, tested in accordance to IEEE/ANSI standards. >L88 at 60,000 hours (see chart on page 3).

INSTALLATION — Two stainless steel surface mount brackets standard (unless another mounting option is chosen) allowing for ceiling or suspended mount. A variety of mounting options are available including stainless steel mounting options: J-box mounting and mounting brackets for suspension with aircraft cable (cable not included). Optional stainless steel V-hooks available for chain hanging (chain not included). Surface conduit entry on one end or each end (WLFEND or WLFEND2) and on top (WLF or WLFIN) allow for rigid conduit entry. For horizontal and vertical mounting on a wall, application must be under a covered ceiling and QMB option recommended. 1/2" - 3/4" KO. When wall mounted the product will be rated for damp location only.

LISTINGS — CSA Certified to UL and C-UL standards. For use in ambient temperatures ranging from -20°F (-29°C) to 104°F(40°C). VAP LED is wet location listed for covered ceiling applications. IP65 and IP66 rated. VAP LED is NSF Splash Zone rated when suspended or ceiling mounted. When wall mounted the product will be rated for damp location only. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

For installed Rough Service Product(s), Acuity warrants that, for the lifetime of the product(s), the polycarbonate lens and/or polycarbonate housing will withstand breakage resulting from occasional physical abuse and rough handling (the "Rough Service Warranty"), not withstanding the vandalism exclusion set forth at www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Catalog Number	
Notes	
Type	TYPE L7

ARCHWAY[™]
PASSAGE[™]

Rough Service Fixture

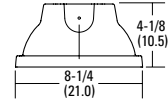
VAP LED

CEILING/
SUSPEND MOUNT



Specifications

Length: 8-1/4 (21.0)
Width: 8-1/4 (21.0)
Depth: 4-1/8 (10.5)
Weight: 13.5 lbs. (5.9 kg)



All dimensions are shown in inches (centimeters) unless otherwise noted.

PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or control networks marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

VAP Linear Rough Service, LED

A+ Capable options indicated by this color background.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: VAP 4000LM FST MD MVOLT GZ10 40K 80CRI

VAP	Series	Nominal lumens	Diffuser	Distribution	Voltage	Driver	Color temperature	CRI
VAP	4000LM	4,000 lumens	FST Frosted polycarbonate lens	MD Medium	MVOLT 120-277V	GZ10 0 - 10V dimming	30K 3000K	80CRI 80 CRI
	6000LM	6,000 lumens	PCL Clear polycarbonate lens	WD Wide	120 120V		35K 3500K	90CRI 90 CRI
	8000LM	8,000 lumens ‡			277 277V		40K 4000K	
	12000LM	12,000 lumens ‡			HVOLT 347-480V		50K 5000K	
	15000LM	15,000 lumens ‡			347 347V			
					480 480V			

Options		
Emergency:	Cord Sets:	Individual Controls: ‡
BGTD Bodine® generator transformer device ‡	CS89 Cord only (no plug), 16 gauge, 3 conductors, 6ft, white, wet location ‡	MS110NWL 360° Low mount sensor, (8-15' mounting heights), outdoor PIR, ON/OFF occupancy, wet location (LINK)
BSL722C Bodine® emergency LED battery pack for -20°C and up, CA Title 20 Noncompliant ‡	CS88 Brad Harrison Mini-Change® cordset with straight blade plug, 16 gauge, 3 conductors, 6ft, yellow ‡	MS1102L3VWL 360° Low mount sensor, (8-15' mounting heights), outdoor PIR, occupancy controlled dimming (bi-level), wet location (LINK)
E15WCP Emergency battery pack, 15W constant power, Certified in CA Title 20 MAEDBS ‡	CS88L12 Brad Harrison Mini-Change® cordset with straight blade plug, 16 gauge, 3 conductors, 12ft, yellow ‡	MS110NWL DSCNWL 360° Low mount sensor, (8-15' mounting heights), outdoor PIR, ON/OFF photocell, wet location (LINK)
Other Options:	Mounting Brackets:	nLight® Wireless: ‡
BAA Buy America(n) Act Compliant	CMB Chain-mount suspension bracket	NLTAIR2 RSBOR10 nLight® Air Generation 2 enabled, 360° low mount sensor, (8-15' heights), (LINK)
DL Damp location	JSB Junction box snap-bracket	
LSC Lens safety clip	STSL Stainless steel tamper resistant latches	
SPD Surge protection device ‡	QMB Quick-mount ceiling bracket	
WLF Wet location fitting (two outboard, top) ‡		
WLFIN Wet location fitting (two inboard, top) ‡		
WLFEND Wet location fitting (one end)		
WLFEND2 Wet location fitting (both ends) ‡		

Accessories: Order as separate catalog number. (Ships separately)		
VAPSMB Surface-mount bracket	RK1 T20BIT U Hex base driver bit, Torx T20 Tamper resistant screws with center reject pin	
VAPQMB Quick-mount ceiling bracket		
VAPCMB Chain-mount bracket		
VAPJSB Junction box snap bracket		
HC36 M12 Wire hook and 36" chain set ‡		
HC36 STS M12 Wire hook and 36" chain set ‡		

‡ Option Value Ordering Restrictions	
Option Value	Restriction
8000LM	Not available with BSL722C.
12000LM	Not available with BSL722C or E15WCP.
15000LM	Not available with BSL722C, E15WCP, HVOLT, 347 or 480. Maximum ambient temperature 35°C.
BGTD	Must specify voltage. Not available with HVOLT, 347 or 480. If used with 8000LM, 12000LM or 15000LM, maximum ambient temperature is 35°C. SPD is standard and does not require specification in nomenclature. Not available with batteries.
BSL722C	Not available with HVOLT, 347 or 480. SPD is standard and does not require specification in nomenclature. Maximum ambient temperature 35°C.
CS88, CS88L12	Must specify voltage. 6 foot is the standard cord length. Other lengths are available by specifying the cord length in the nomenclature. Example: CS88L15.
CS89	6 foot is the standard cord length. Other lengths are available by specifying the cord length in the nomenclature. Example: CS89L15.
E15WCP	Utilizes PS1555CP . Not available with HVOLT, 347 or 480. SPD is standard and does not require specification in nomenclature. Minimum ambient temperature is 0°C. Maximum mounting height is 25ft.
HC36, HC36 STS	Requires CMB (chain mount bracket) option.
Individual Controls	Must specify voltage. Not available with HVOLT, 347, 480 or other sensors. SPD is standard and does not require specification in nomenclature.
nLight® Wireless	Must specify voltage. Not available with HVOLT, 347, 480 or other sensors. SPD is standard and does not require specification in nomenclature. Normal luminaires (non-emergency) can be used as a normal power sensing device for nearby nLight AIR devices and luminaires with EM emergency options.
SPD	For additional protection up to 10kV. Not available with BSL722C, E15WCP, BGTD, MS110NWL, MS1102L3VWL and MS110NWL DSCNWL. The SPD is already included when the fixture is ordered with those options. SPD will not be called out in the nomenclature.
WLF, WLFIN, WLFEND	Utilizes 5/8" long NPT threaded hub.
WLFEND2	Not available with cordsets or sensor options. Utilizes 5/8" long NPT threaded hub.



VAP-LED

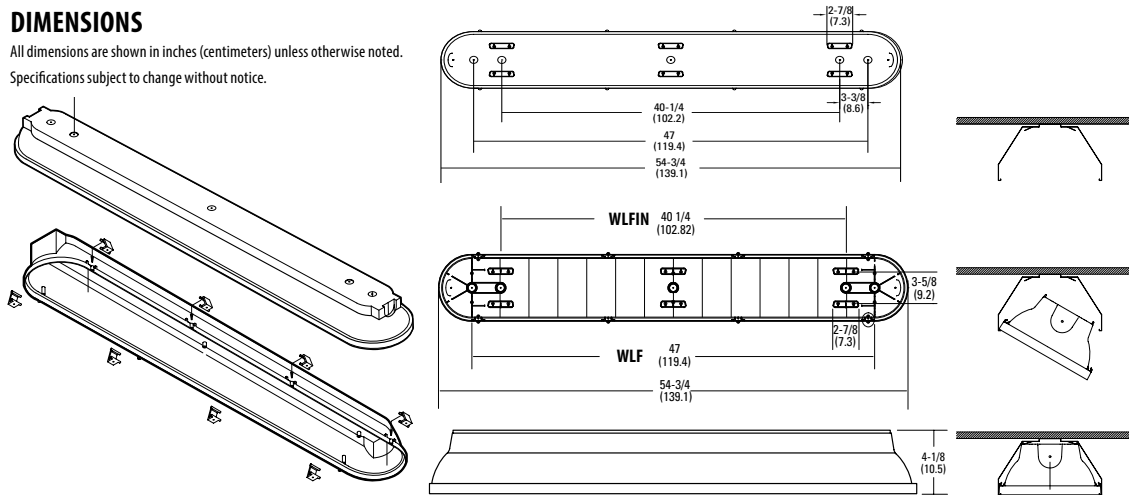
INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 800-705-SERV (7378) www.lithonia.com

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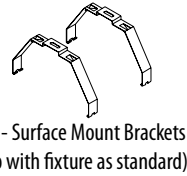
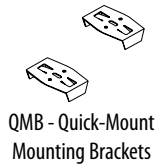
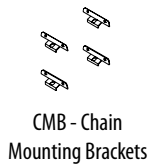
VAP Linear Rough Service, LED

DIMENSIONS

All dimensions are shown in inches (centimeters) unless otherwise noted. Specifications subject to change without notice.



MOUNTING ACCESSORIES



ARCHWAY™ PASSAGE™ LED Specification Matrix											
Nominal lumens	Distribution	Initial delivered lumens @ 80CRI with clear polycarbonate lens				Initial delivered lumens @80CRI with frosted polycarbonate lens				Wattage @120V	Comparable source
		30K	35K	40K	50K	30K	35K	40K	50K		
4000LM	MD	4295	4446	4517	4647	3695	3777	3887	3998	33	2-lamp 32W T8, 1-lamp 54W T5, 70W HID
	WD	4208	4357	4426	4553	3623	3750	3810	3919		
6000LM	MD	6013	6226	6325	6506	5174	5357	5443	5598	49	3-lamp 32W T8, 2-lamp 54W T5, 100W HID
	WD	5892	6100	6198	6375	5072	5251	5335	5488		
8000LM	MD	8348	8643	8781	9032	7183	7437	7556	7772	67	4-lamp 32W T8, 2-lamp 54W T5, 150W HID
	WD	8180	8469	8604	8850	7042	7290	7407	7618		
12000LM	MD	11742	12156	12350	12703	10103	10460	10627	10931	99	6-lamp 32W T8, 3-lamp 54W T5, 250W HID
	WD	11505	11911	12101	12447	9904	10254	10417	10715		
15000LM	MD	14519	15031	15271	15708	12493	12934	13140	13516	115	6-lamp 32W T8, 4-lamp 54W T5, 250W HID
	WD	14226	14728	14963	15391	12246	12679	12881	13249		

Lumen Maintenance @ 25C

Operating Hours	0	10,000	20,000	25,000	35,000	50,000	60,000	75,000	100,000
4000LM	1	0.980	0.973	0.969	0.962	0.952	0.95	0.935	0.919
6000LM	1	0.972	0.962	0.957	0.950	0.933	0.923	0.909	0.886
8000LM	1	0.962	0.947	0.94	0.925	0.903	0.889	0.868	0.834
12000LM	1	0.970	0.960	0.952	0.940	0.922	0.910	0.900	0.865
15000LM	1	0.969	0.956	0.949	0.936	0.917	0.905	0.886	0.857



VAP-LED

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VAP Linear Rough Service, LED

OPTIONS AND ACCESSORIES

The VAP Series fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.

rSBOR/SBOR – Fixture Mount Sensor (see www.sensorswitch.com for additional information)

- 360° coverage
- On/Off dim
- Photozell optional
- IP66 rated
- Photocell and 0-10VDC dimming options.

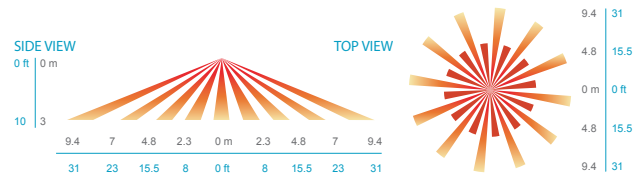
Fixture sensor nomenclature	RSBOR/SBOR sensor nomenclature
For shortest lead times use one of the following SBOR configurations	
NLTAIR2 RSBOR10	RSBOR 10 EB4 WH G2
MS10NWL	SBOR 10 OEX EB4 WH
MS102L3VWL	SBOR 10 OEX D EB4 WH 3V
MS10NWL DSCNWL	SBOR 10 OEX P EB4 WH



COVERAGE PATTERNS

PARKING GARAGE / LOW MOUNT APPLICATIONS

In general, the SBOR 10 is recommended for 8-15 ft (2.44-4.57 m) mounting and provides a coverage area radius for walking motion of greater than 2x the mounting height. The SBOR 10 ODP is ideal for parking garage and low pole mount applications. When mounted 10 ft high, for example, on a luminaire in a parking garage, the sensor's coverage for walking motion extends out 30 ft in a 360° pattern. This closely matches the lighting distribution of a typical parking garage luminaire. When mounted to a light pole, for example, in a parking lot or along a path, the sensor provides 270° of coverage (90° is blocked by the pole). Note, walking askew to sensor typically results in earlier detection than walking directly at sensor.



Coverage Pattern of Low Mount Lens Option (SBOR 10)



VAP-LED

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FEATURES & SPECIFICATIONS

INTENDED USE

Recessed housing rated IC. For new construction and remodel applications. Approved for all ceiling types except air handling plenums. Not for pulling wires. Romex only. Approved for direct burial in insulation.

CONSTRUCTION

Air-tight standard. Tested to meet current energy codes.

Aluminum housing with engineering-grade thermoplastic frame.

Galvanized bar hangers span up to 24" o.c. and feature built-in nailer and T-bar clips.

Engineering-grade thermoplastic junction box with four built-in romex clamps; six 3/4" knockouts with slots for pryout.

Maximum 8 (4 in, 4 out) No 12 AWG conductors. Rated for 90° C.

Ground wire provided.

Pre-assembled poke-home connectors for ease of wiring.

Tilt-up J-box doors for easy access.

Trim retention (clips): Retaining clips riveted to top of reflector hold trim inside housing.

Trim retention (TOR): Two-side mounted torsion springs on the trim and 2 receiving brackets in the can ensure a consistently tight fit with the ceiling.

ELECTRICAL

Durable medium base porcelain socket with nickel-plated, copper alloy screw shell and contact.

Socket clips to top of housing to prevent paint overspray in socket screw shell.

Socket attaches to reflector to ensure proper and consistent lamp position.

Thermal protection provided against improper lamp usage.

120 volt only.

INSTALLATION

Air-tight housing suitable for air-tight installations. Refer to energy codes for proper installations.

2 x 6 wood joist or T-bar installation.

Expandable bar hangers allow for off-center mounting in wood joist or T-bar ceilings.

Length of 25-1/4" maximum 13-1/4" minimum or cut to fit 9" on center joist construction.

Vertical adjustment of housing allows for flush mounting with ceiling face.

Suitable for ceiling up to 1-1/2" thick.

LISTINGS

UL Listed to US and Canadian safety standards. Damp location listed.

See trim selection for wet location listing.

WARRANTY — 1-year limited warranty. Complete warranty terms located at

www.aquitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Catalog Number	
Notes	PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.
Type	TYPE L8

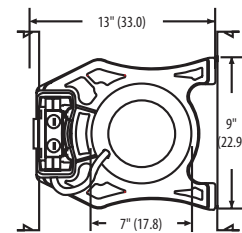


6" Housing

LCP

INCANDESCENT
IC Shallow

New Construction/Remodel



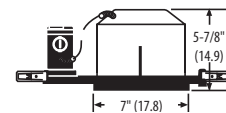
Specifications

Height: 5-7/8 (14.9)

Length: 13 (33.0)

Width: 9 (22.9)

Ceiling cutout: 7 (17.8)



All dimensions are inches (centimeters) unless otherwise specified.

LAMP WITH RED LED RETROFIT A-LAMP

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: LCP R6

LCP		
Series	Options	Packaging
LCP ¹	GSKT Foam gasketing. Aids in air-tight installation.	R6 Resale pack of six U Unit pack (non-stock)

ELECTRICAL CONTRACTOR TO DETERMINE APPROPRIATE MOUNTING HARDWARE & ACCESSORIES

Accessories: Order as separate catalog number.			
LSMC	T-Bar mounting clips, set of four	HS6875	6-7/8" Hole saw
ARC R24	Remodeler clips ¹	CTR6	6" goof ring, white (8-3/4" O.D.)
ATK6 R6	6" Air-tight trim kit		

ELECTRICAL CONTRACTOR TO DETERMINE NEEDED ACCESSORIES

Notes


















1 When using in remodel applications the ARC R24 clips must be ordered separately. Sold in packages of 24 only.

See trim summary on reverse side for maximum wattages.

DOWNLIGHTING

LCP

LCP 6" New Construction Shallow Housing

Description Catalog number	Maximum wattage ¹	Description Catalog number	Maximum wattage ¹	Description Catalog number	Maximum wattage ¹
General/Task					
Open Wide Flange C01	White	Baffle Narrow Flange 7B0W	White	Pinhole Narrow Flange CS1	White
	60 A19 65 BR30 75 PAR30		65 BR30 75 PAR30		40 A19 50 BR20 50 PAR20
IC		IC		IC	
Open Wide Flange C01 TOR	White	Baffle Wide Flange 7B1	Black	Wallwash Narrow Flange CW1	White
C01BN TOR	Brushed nickel	7B1W	White		40 A19
C01ORB TOR	Oil-rubbed bronze		65 BR30 75 PAR30	IC	
C01BZA TOR	Antique bronze	IC		Lens/Wet Location²	
	60 A19 65 BR30 75 PAR30	Accent/Adjustable		Shower/Closet Narrow Flange CLD1	Drop opal*
IC		Eyeball Narrow Flange CE1	White		40 A19
Open Narrow Flange C02	White		65 BR30 75 PAR30	IC	
C02A	Clear diffuse	IC		Shower/Closet Narrow Flange CLF1	Flush opal*
C02AZ	Clear specular	Baffled Eyeball Narrow Flange CE2	White/black	CLF2	Flush prismatic*
	60 A19 65 BR30 75 PAR30	CE2W	White/black White/white		40 A19
IC			65 BR30 75 PAR30	IC	
Open Wide Flange 701 TOR	White	IC		Shower/Closet Narrow Flange 7LD1	Drop opal metal flange
	65 BR30 75 PAR30	Eyeball Wide Flange 7E1 TOR	White	7LD1 PF	Drop opal plastic*
IC		7E1BN TOR	Brushed nickel	7LD2 PF	Drop prismatic plastic*
Baffle Wide Flange CB1	Black	7E1ORB TOR	Oil-rubbed bronze		40 A19
CB1W	White	7E1BZA TOR	Antique bronze	IC	
	40 A19 65 BR30 75 PAR 30		65 BR30 75 PAR30	<i>* For plastic flange add suffix PF</i>	
IC		IC		Notes	
Baffle Wide Flange CB1 TOR	Black	Regressed Eyeball Wide Flange 7RE1	White	1 Maximum wattage listed. Lower wattage lamps may be used.	
CB1W TOR	White		65 BR30 50 PAR30	2 Lens trims are wet location listed. All others are damp location.	
CB1BN TOR	Brushed nickel	IC			
	40 A19 65 BR30 75 PAR 30				
IC					



LCP

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LCP 6" New Construction Shallow Housing

P Series Open and Baffle Wide Flange LED Modules (Wet Location) ¹



Example: 6BP TRMW LED 27K 90CRI
LCP¹

ORDERING INFORMATION		Lead times will vary depending on options selected. Consult with your sales representative.		
Series/Finish	Lamp	CCT / CRI / W / Lumens ²		Voltage
6BPMW	6" Baffle LED module, matte white	LED	(blank) 3000 K / 83 CRI / 8.9W / 620L	(blank) 120V
6BP TRMW	6" Baffle LED module, black baffle, matte white flange		27K 90CRI 2700K / 93CRI / 11.2W / 600L	
6BPBN	6" Baffle LED module, brushed nickel		30K 90CRI 3000 K / 93 CRI / 11.2W / 600L	
6BPORB	6" Baffle LED module, oil-rubbed bronze		40K 90CRI 4000K / 92CRI / 9.9W / 650L	
6OPA	6" Open LED module, clear diffuse			
6OPAZ	6" Open LED module, clear specular			
6OPA TRMW	6" Open LED module, clear diffuse, matte white flange	HL LED	(blank) 3000 K / 83 CRI / 15.2W / 950L	
6OPAZ TRMW	6" Open LED module, clear specular, matte white flange		27K 90CRI 2700 K / 93 CRI / 16.5W / 860L	
			30K 90CRI 3000 K / 93 CRI / 16.5W / 860L	
			40K 90CRI 4000K / 92CRI / 16.4W / 950L	

Notes

- 1 LCP housing ordered on a separate line.
- 2 Total system delivered lumens.

LED Gimbal Module (Damp location)



Example: 6G1MW LED
LCP¹

ORDERING INFORMATION		Lead times will vary depending on options selected. Consult with your sales representative.		
Series/Finish	Lamps	CCT / CRI / W / Lumens ²		Voltage
6G1	LED			
Series	Finish	LED	(blank) 3000K / 83CRI / 10.8W / 620L	(blank) 120V
6G1	6" Gimbal Module		27K 90CRI 2700K / 91CRI / 11W / 680L	
	MW Matte white		30K 90CRI 3000K / 91CRI / 10.3W / 790L	
	MB Matte black		40K 90CRI 4000K / 94CRI / 10.5W / 820L	
	BN Brush nickel			
	ORB Oil-rubbed bronze			

Notes

- 1 LCP housing ordered on a separate line.
- 2 Total system delivered lumens.

E Series Baffle Wide Flange LED Modules (Wet Location)



Example: 65BEMW LED 27K
LCP¹

ORDERING INFORMATION		Lead times will vary depending on options selected. Consult with your sales representative.		
Series/Finish	Lamp	CCT / CRI / W / Lumens ²		Voltage
65BEMW	LED			
65BEMW	5" / 6" Baffle LED module, matte white	LED	27K 2700 K / 82CRI / 11.9W / 640L	(blank) 120V
			30K 3000 K / 82CRI / 11.9W / 687L	
			40K 4000K / 82CRI / 11.9W / 711L	

Notes

- 1 LCP housing ordered on a separate line.
- 2 Total system delivered lumens.



LCP

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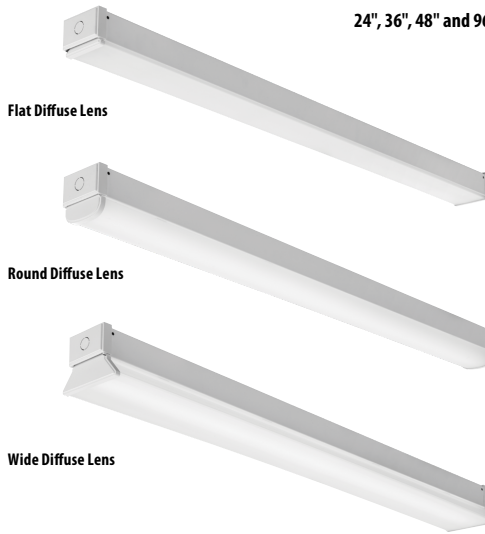
Catalog Number
Notes
Type

TYPE L9A

LED Linear

CLX

24", 36", 48" and 96" Lengths



Flat Diffuse Lens

Round Diffuse Lens

Wide Diffuse Lens

FEATURES & SPECIFICATIONS

INTENDED USE — The CLX is a linear lighting solution that is available in multiple lengths, lumen packages and distributions. Designed for versatility, the CLX can address virtually any indoor lighting need. The CLX is also offered in standard and high efficacy configurations and capable of being continuous row mounted or installed as a stand-alone fixture. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — Channel and cover are formed from code-gauge cold-rolled steel. Housing and lens endcaps are injection molded plastic to provide a more architectural look and feel. The endcaps come standard with a 7/8" knock out for continuous mounting but can be ordered without.

Finish: Paint options include high-gloss, baked white polyester (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). Five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Offered with acrylic lens and less lens configurations. Provides a choice of optical distributions including, wide, narrow, and aisle.

ELECTRICAL — Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR_ordering information on page 14.) Electronic LED driver is multi-volt input and 0-10V dimming standard (see Operational Data on page 12 for actual wattage consumption). This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided. L70>100,000 hours at 25°C.

LEDs provide nominal 80 CRI or 90CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,500 lumens per foot.

INSTALLATION — Fixture may be ceiling or wall mounted (with or without THCLX hanger or angle mounted with CLXANGBRT), pendant or stem mounted with appropriate mounting options.

WARNING — Removing the lens and opening the fixture during installation exposes the LEDs, putting them at risk for damage.

If you plan to surface mount the fixture, we recommend using the THCLX. This eliminates the need to open the fixture.

If you plan to continuous row mount, we recommend using the PLR wiring harness option. This eliminates the need to open the fixture.

Damage to the LEDs caused during installation will not be covered under the warranty.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 104°F (40°C). Optional High Ambient (HA) ranging to 122°F (50°C) available on certain lumen packages (See ambient temperature chart for additional information).

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.



PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

Stock configurations are offered for shorter lead times:

Stock Part Number	UPC	DLC QPL Product ID	DLC Premium
CLX L48 3000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525816	PIANKZ84	Yes
CLX L48 3000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525885	PKW32VKL	Yes
CLX L48 5000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525939	P77I8Z20	Yes
CLX L48 5000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525908	P8A42C1H	Yes
CLX L96 6000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525861	PPFTGRBV	Yes
CLX L96 6000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525915	PW625OTE	Yes
CLX L96 10000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525922	PKYOC7EW	Yes
CLX L96 10000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525830	PKYPL35K	Yes
CLX L48 3000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525960	PIANKZ84	Yes
CLX L48 3000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525892	PKW32VKL	Yes
CLX L48 5000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525854	P77I8Z20	Yes
CLX L48 5000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525946	P8A42C1H	Yes
CLX L96 6000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525878	PPFTGRBV	Yes
CLX L96 6000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525823	PD05SIAD	Yes
CLX L96 10000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525953	PKYOC7EW	Yes
CLX L96 10000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525847	PKYPL35K	Yes

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a [shaded background](#)*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

CLX LED Linear

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** CLX L48 5000LM SEF WDL MVOLT GZ10 40K 80CRI WH

Series	Length	Nominal lumens	Performance package	Louvers	Lens
CLX LED linear	L24 24"1,2	1500LM 1,500 lumens	SEF Standard efficiency ⁵	(Blank) Less louver	L/Lens Less lens
		2000LM 2,000 lumens	HEF Premium efficiency	SBLW Straight blade louver, white ⁶	FDL Flat diffuse ^{7,8}
		2500LM 2,500 lumens		SBLMB Straight blade louver, matte black ⁶	RDL Round diffuse ^{7,8}
		3500LM 3,500 lumens		SBLGV Straight blade louver, galvanized ⁶	WDL Wide diffuse ^{7,8}
		4500LM 4,500 lumens		SBSLKGY Straight blade louver, smoke gray ⁶	
	L36 36"2	2250LM 2,250 lumens			
		3000LM 3,000 lumens			
		3750LM 3,750 lumens			
		5250LM 5,250 lumens			
		6750LM 6,750 lumens			
	L48 48"	3000LM 3,000 lumens			
		4000LM 4,000 lumens			
		5000LM 5,000 lumens			
		7000LM 7,000 lumens ²			
		9000LM 9,000 lumens ²			
	L96 96"	10000LM 10,000 lumens ^{2,4}			
		6000LM 6,000 lumens			
		8000LM 8,000 lumens			
		10000LM 10,000 lumens			
		14000LM 14,000 lumens ^{2,4}			
		18000LM 18,000 lumens ^{2,4}			
		20000LM 20,000 lumens ^{2,4}			

ELECTRICAL CONTRACTOR TO DETERMINE APPROPRIATE MOUNTING HARDWARE & ACCESSORIES

Distribution	Voltage	Driver ¹⁴	Color temperature	Coloring rendering index
(Blank) General	MVOLT 120-277V ¹⁰	GZ10 0-10V dimming ¹⁵	30K 3000 K	80CRI 80 CRI
ND Narrow ^{8,9}	120 120V	EZ1 Dimming to 1% ²	35K 3500 K	90CRI 90 CRI
WD Wide ^{8,9}	208 208V ¹¹		40K 4000 K	
AD2 Aisle, 24" off center ^{8,9}	240 240V ¹¹		50K 5000 K	

Options	Finish
PS1050 Emergency battery pack, 10W, CA Title 20 Noncompliant ^{2,11,13,16,17}	WH White
E10WLCP Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEBDS ^{2,11,13,16,17}	GALVW Galvanized with white lens end caps
BGTD Generator transfer device, not available with PS1050 ^{3,16,18}	GALVB Galvanized with black lens end caps
OCS 5', 18/3 Relocatable One Pass cable ¹⁵	MB Matte black
HA High ambient, for use in ambient temperatures up to 50°C ¹¹	SKGYW Smoke gray with white lens end caps
EPNKO Decorative endplate, no knock out ¹⁹	SKGYB Smoke gray with black lens end caps
OUTCTR Wiring leads pulled through back center of fixture ²⁰	
OUTEND Wiring leads pulled through end of fixture ²¹	
Cord Sets:	
CS1W Straight blade plug, 120V ^{10,16}	
CS3W NEMA twist-lock plug, 120V ^{10,16}	
CS7W Straight blade plug, 277V ^{10,16}	
CS11W NEMA twist-lock plug, 277V ^{10,16}	
CS25W NEMA twist-lock plug, 347V ^{10,16}	
CS97W NEMA twist-lock plug, 480V ^{10,16}	
CS93W 600V SEOWW white cord, no plug (no voltage required)	
CS6W616STOWD5D 6' white cord, 16/5, no plug, includes low voltage dimming wires (no voltage required) ¹⁵	
PLR Plug-in wiring, see page 16 for ordering information	nLight® Wired: ^{23,25}
PLR1LVG Plug-in wiring, low voltage dimming ²²	N100 nLight® without lumen management
RRL RELOC®-ready luminaire. See page 15 for ordering information	NES7 nLight® nES 7 PIR integral occupancy sensor ²⁶
SPD Surge protection device, provides up to 6kV protection ²⁰	NESPDT7 nLight® nES PDT 7 dual technology integral occupancy control ¹⁹
USPOM Assembled in the United States	NES7ADCX nLight® nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell ²⁶
nLight® Wireless: ^{23,24}	NESPDT7ADCX nLight® nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell ²⁶
NLTAIR2 RES7 nLight® Generation 2 enabled PIR integral occupancy sensor with automatic dimming photocell	Individual controls: ^{23,25}
NLTAIR2 RES7PDT nLight AIR Generation 2 enabled dual technology integral occupancy sensor with automatic dimming photocell	MSD7 PIR integral occupancy sensor
NLTAIR2 RIO No sensor control	MSDPDT7 PDT 7 dual technology integral occupancy control
	MSD7ADC PIR integral occupancy sensor with automatic dimming control photocell
	MSDPDT7ADC PDT integral occupancy sensor with automatic dimming control photocell

See Accessories and footnotes on next page



INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 800-315-4963 www.lithonia.com

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Page 2 of 14

Accessories: Order as separate catalog number.			
Mounting:			
ZACVH	Aircraft cable 120" (one pair)	THCLX ___	Tong hanger (Must specify color) (one pair) ²⁸
ZAC120	One adjustable aircraft cable with canopy 120" ²⁷	CLXANGBKT ___	Angle bracket, (Must specify color) (one pair) ²⁸
ZACFP120	One adjustable aircraft cable with feed (3 conductor) and canopy, 120" ²⁷	HC36	Hanger chain, 36" (one pair)
ZACFPD120	One adjustable aircraft cable with feed (5 conductor) and canopy 120" ²⁷	Sensors & Controls:	
ZAC240	One adjustable aircraft cable with canopy 240" ²⁷	LSXR	Sensor Switch ® LSXR occupancy sensor ²⁹
ZACFP240	One adjustable aircraft cable with feed (3 conductor) and canopy, 240" ²⁷	NPP16D	nLight® switching/dimming module
ZACFPD240	One adjustable aircraft cable with feed (5 conductor) and canopy 240" ²⁷	NPP16DER	nLight® switching/dimming module with emergency relay
SQ_	Stem kit, 2" increments up to 48" ²⁷	rPP20D	nLight® air dimming/switching module
		XPA CMR80	XPoint™ Wireless 0-10V relay, external, 55°C max ambient
		Reflectors:	
		CLXRW24_	Wide decorative 24" reflector, (Must specify color) ³⁰
		CLXRW36_	Wide decorative 36" reflector, (Must specify color) ³⁰
		CLXRW48_	Wide decorative 48" reflector, (Must specify color) ³⁰
		CLXRW96_	Two wide decorative 48" reflectors, (Must specify color) ³⁰
		CLXRWU24_	Wide decorative 24" reflector with uplight, (Must specify color) ³⁰
		CLXRWU36_	Wide decorative 36" reflector with uplight, (Must specify color) ³⁰
		CLXRWU48_	Wide decorative 48" reflector with uplight, (Must specify color) ³⁰
		CLXRWU96_	Two wide decorative 48" reflectors with uplight, (Must specify color) ³⁰
		CLXRN24	Narrow 24" reflector, (Must specify color) ³¹
		CLXRN36	Narrow 36" reflector, (Must specify color) ³¹
		CLXRN48	Narrow 48" reflector, (Must specify color) ³¹
		CLXRN96_	Two narrow 48" reflectors, (Must specify color) ³¹
		Wireguards:	
		WGCLX24_	24" wireguard, (Must specify color) ³²
		WGCLX36_	36" wireguard, (Must specify color) ³²
		WGCLX48_	48" wireguard, XX, (Must specify color) 96" fixture requires two ³²

Notes

- 1 Not available with OUTCTR option.
- 2 Not available with HA option.
- 3 Not available with SEF when ordered in combination with EZ1.
- 4 Not available with NLTAIR2 RES7, NLTAIR2 RES7PDT, or NLTAIR2 RIO.
- 5 Not available with EZ1 when ordered with L24 with 5000LM or L36 with 7500LM.
- 6 When ordered with L24 only available with 1500LM or 2000LM in combination with GZ10 driver. Not for use with THCLX, CLXANGBKT, CLX reflectors or WGCLX accessories. Not available with RDL lens options.
- 7 Only available with general distribution.
- 8 Not available with CLXRN accessories.
- 9 Available L/LENS only.
- 10 Not available with PS1050, E10WLCP, or BGTD.
- 11 Not available with BGTD option.
- 12 Voltage selected utilizes a step-down transformer. Not available with L24 when ordered with N100. Not available with PS1050, E10WLCP or BGTD option.
- 13 Requires SPD option.
- 14 When continuous row mounting, fixtures must all have the same driver selection.
- 15 Not available with Individual controls, nLight wired networking, nLight wireless networking, nLight wireless zone control options.
- 16 Must specify voltage.
- 17 Not available with L24 or L36. Not available with L48 in combination with N100.
- 18 Available with L48 or L96 only. 20 Not available with PS1050 or E10WLCP options. Not available with 208 or 240V. Not available Individual controls, nLight Wired, or nLight Wireless options.
- 19 Not available OUTEND.
- 20 Required with PS1050, E10WLCP, BGTD, XAD, or XAD924.
- 21 Not available with PLR options.
- 22 Not available with XPoint, Individual controls, nLight Wired, or nLight Wireless options.
- 23 Sensor housing will be the same color as lens end caps.
- 24 Not available with L24 in combination with 5000LM, not available with L36 in combination with 7500LM, not available with L48 in combination with 10000LM, and not available with L96 in combination with 14000LM, 18000LM, or 20000LM. Not available with PLRs containing low voltage dimming wires.
- 25 Not available with any other control option. Requires EZ1.
- 26 Requires N100 option.
- 27 Ships standard as white.
- 28 Not available with lower, wireguards, wide reflectors.
- 29 More configurations on [LSXR Specification Sheet](#).
- 30 L24 reflector is 22.65", L36 reflector is 34.01", L48 reflector is 46.80", L96 comes with two L48 reflectors.
- 31 For use with L/LENS fixtures only. L24 reflector is 22.75", L36 reflector is 34.20", L48 reflector is 46.85", L96 comes with two L48 reflectors.
- 32 Not for use with CLX wide reflector accessories.

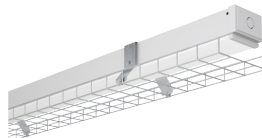
OPTIONS AND ACCESSORIES



Narrow reflector
Ships separately from fixture.
Order as:
CLXRN24_
CLXRN36_
CLXRN48_
CLXRN96_



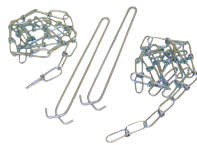
Wide decorative reflector
Ships separately from fixture.
Order as:
CLXRW24_
CLXRW36_
CLXRW48_
CLXRW96_



Wireguard
Ships separately from fixture:
96" fixture requires two WGCLX48.
Order as:
WGCLX24_
WGCLX36_
WGCLX48_



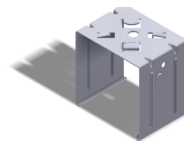
Aircraft Cable with Canopy
Available in 120" or 240"
Order as:
ZAC120
ZAC240



HANGER CHAIN
36" chain with Y hanger, ships as a pair
Order as:
HC36



ZACVH HANGER
10' Aircraft cable with Y hanger.
Order as:
ZACVH



Tong hanger
Ships as a pair
Order As:
THCLX_

CLX LED Linear

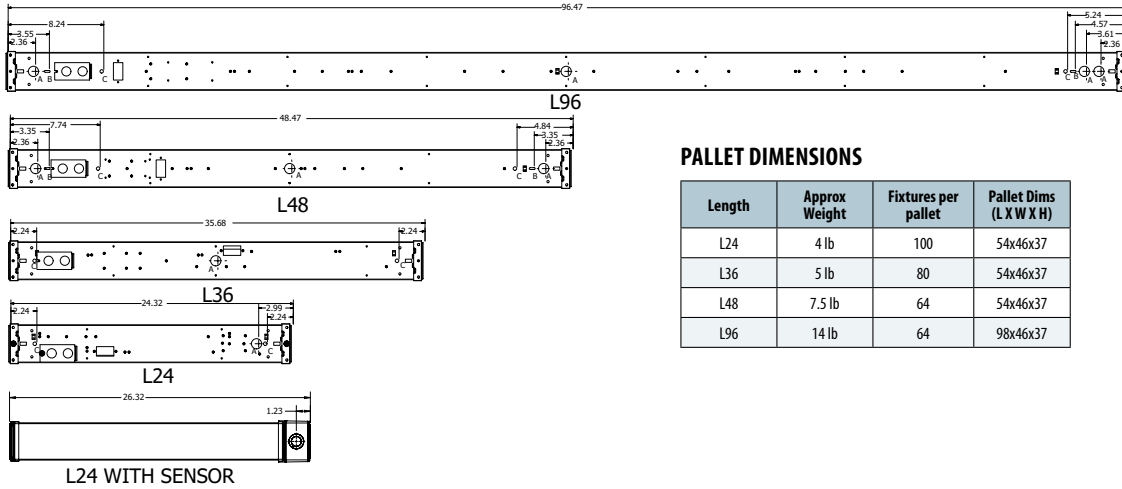
TYPE S3

DIMENSIONS

All dimensions are in inches (centimeters) unless otherwise indicated.
Dimensions may vary with options or accessories.

INTEGRATED SENSOR ADDS 2.0 INCHES TO STANDALONE FIXTURE LENGTH
HOUSING END CAP ADDS 0.236 INCHES TO FIXTURE LENGTH PER SIDE. DIMENSIONS BELOW INCLUDE ENDCAPS.

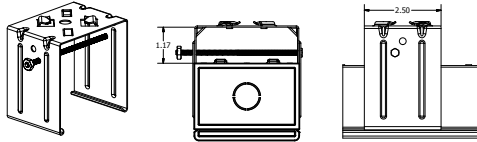
A - 7/8" KNOCK OUT
B - 0.5" by 0.16" SLOT
C - 0.3" DIA HOLE



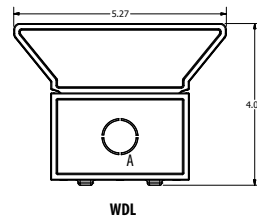
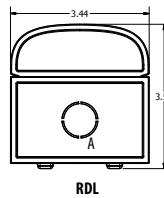
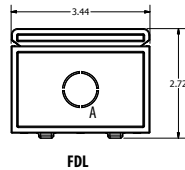
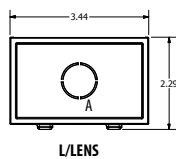
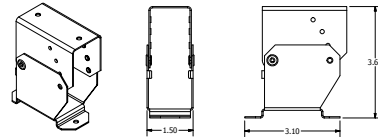
PALLET DIMENSIONS

Length	Approx Weight	Fixtures per pallet	Pallet Dims (L X W X H)
L24	4 lb	100	54x46x37
L36	5 lb	80	54x46x37
L48	7.5 lb	64	54x46x37
L96	14 lb	64	98x46x37

THCLX - SHIPS TWO PER ORDER,
UTILIZES A #8 HEX HEAD SCREW AND NUT
FIXTURE SITS 1.3 INCHES FROM STRUCTURE WHEN MOUNTED



CLXANGBKT - SHIPS TWO PER ORDER
HOLES TO MOUNTING STRUCTURE ARE 0.175" DIA, 2.5" APART
FIXTURE SITS APPROXIMATELY 3.5" FROM STRUCTURE
WHEN MOUNTED HORIZONTAL TO STRUCTURE



PHOTOMETRICS

See www.lithonia.com.



CLX

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Page 4 of 14

POWER SENTRY EMERGENCY BATTERY PACKS

		SEF Emergency Lumens	HEF Emergency Lumens
PS1050	Factory installable	1400	1500
E10WLCP	Factory installable	1400	1500
PS155SLCP	Field installable, remote mount only	2000	2100

Note: For emergency lumen output of specific model, please consult factory. One board will be illuminated during emergency operation.

CLX CHARACTERISTICS

Nominal Lumen Package	Length	Wattage								Length	Width	Depth	Comparable Light Source
		Standard efficiency				High efficiency							
		120V	277V	347V	480V	120V	277V	347V	480V				
Dimensions are shown in inches													
2500LM	24"	19.9	19.9	25.9	25.9	18.5	18.5	24.5	24.5	24	3.5	3.75	1-lamp 32WT8, 1-lamp 54W T5HO, 50W HID
5000LM	24"	41.9	41.9	47.9	47.9	37.9	37.9	43.9	43.9	24	3.5	3.75	2-lamp 32WT8, 1-lamp 54W T5HO, 70W HID
3750LM	36"	28.1	28.1	34.1	34.1	27.0	27.0	33.0	33.0	36	3.5	3.75	1-lamp 32WT8, 1-lamp 54W T5HO, 50W HID
7500LM	36"	62.9	62.9	68.9	68.9	56.8	56.8	62.8	62.8	36	3.5	3.75	2-lamp 32WT8, 1-lamp 54W T5HO, 70W HID
5000LM	48"	35.4	35.4	41.4	41.4	32.9	32.9	38.9	38.9	48	3.5	3.75	2-lamp 32WT8, 1-lamp 54W T5HO, 70W HID
10000LM	48"	77.1	77.1	83.1	83.1	70.4	70.4	76.4	76.4	48	3.5	3.75	3-lamp 32WT8, 2-lamp 54W T5HO, 100W HID
10000LM	96"	70.8	70.8	76.8	76.8	65.8	65.8	71.8	71.8	96	3.5	3.75	3-lamp 32WT8, 2-lamp 54W T5HO, 100W HID
20000LM	96"	154.2	154.2	160.2	160.2	140.8	140.8	146.8	146.8	96	3.5	3.75	6-lamp 32WT8, 4-lamp 54W T5HO, 200W HID

AMBIENT TEMPERATURE RATINGS

Driver Package		GZ10			EZ1			Any Driver	
Length	Lumen package	Direct Surface	THCLX/Suspended	HA Option (Direct or Suspended)	Direct Surface	THCLX	Suspended 18"	Xpoint/BGTD Direct Surface	PS1050 Suspended
L24	1500LM	40C	40C	N/A	35C	35C	35C	N/A	N/A
	2000LM	40C	40C		35C	35C	35C		
	2500LM	40C	40C		35C	35C	35C		
	3000LM	40C	40C		40C	40C	40C		
	4500LM	40C	40C		35C	35C	40C		
	5000LM	40C	40C		25C	30C	35C		
L36	2250LM	40C	40C		40C	40C	40C		
	3000LM	40C	40C		40C	40C	40C		
	3750LM	40C	40C		40C	40C	40C		
	5250LM	40C	40C		35C	35C	40C		
	6750LM	30C	40C		35C	35C	40C		
	7500LM	30C	40C		25C	30C	35C		
L48	3000LM	40C	40C	50C	40C	40C	40C	35C	25C
	4000LM	40C	40C	50C	40C	40C	40C		
	5000LM	40C	40C	50C	35C	35C	40C		
	7000LM	30C	40C	N/A	35C	35C	40C		
	9000LM	30C	40C		25C	30C	35C		
	10000LM	30C	40C		25C	30C	35C		
6000LM	40C	40C	50C		35C	35C	40C		
L96	8000LM	30C	40C	50C	35C	35C	40C		
	10000LM	30C	40C	50C	25C	30C	35C		
	14000LM	40C	40C	N/A	35C	35C	40C		
	18000LM	30C	40C		25C	30C	35C		
	20000LM	30C	40C		25C	30C	35C		



CLX

CLX OPERATIONAL DATA

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage		
					Color Temperature						
					3000K	3500K	4000K	5000K			
L/Lens	L24	1500LM	SEF	80	1497	1540	1582	1619	10.85		
				90	1305	1333	1371	1441	10.85		
			HEF	80	1493	1514	1582	1586	10.39		
				90	1220	1237	1301	1301	10.39		
		2000LM	SEF	80	2066	2125	2183	2235	14.48		
				90	1801	1840	1892	1989	14.48		
			HEF	80	2060	2089	2183	2189	13.46		
				90	1684	1708	1796	1796	13.46		
		2500LM	SEF	80	2616	2689	2763	2829	18.41		
				90	2279	2329	2394	2517	18.41		
			HEF	80	2607	2644	2763	2771	17.42		
				90	2132	2161	2273	2273	17.42		
		3500LM	SEF	80	3518	3617	3716	3804	25.83		
				90	3065	3132	3220	3385	25.83		
			HEF	80	3506	3556	3716	3726	25.04		
				90	2867	2907	3057	3057	25.04		
		4500LM	SEF	80	5040	5182	5325	5451	38.7		
				90	4392	4487	4614	4851	38.7		
			HEF	80	5024	5096	5325	5339	34.8		
				90	4108	4165	4380	4380	34.8		
		5000LM	SEF	80	5355	5506	5657	5791	41.48		
				90	4667	4767	4902	5153	41.48		
			HEF	80	5338	5414	5657	5672	38.11		
				90	4364	4425	4653	4653	38.11		
	L36	2250LM	SEF	80	2411	2547	2101	2207	16.36		
				90	2479	2607	2146	2320	16.36		
				HEF	80	2437	2554	1965	2095	15.47	
			HEF	90	2547	2403	1992	2095	15.47		
				3000LM	SEF	80	3221	3388	2730	2868	20.8
						90	3310	3133	2789	3015	20.8
		HEF	80		3167	3319	2553	2722	19.98		
			90	3310	3123	2589	2722	19.98			
		3750LM	SEF	80	4123	4337	3495	3671	26.47		
				90	4236	4010	3570	3859	26.47		
			HEF	80	4054	4248	3268	3485	25.09		
				90	4236	3997	3314	3485	25.09		
		5250LM	SEF	80	5545	5833	4700	4937	39.9		
				90	5698	5393	4801	5190	39.9		
			HEF	80	5452	5713	4396	4687	34.3		
				90	5698	5376	4457	4687	34.3		
		6750LM	SEF	80	7081	7448	6001	6303	54.85		
				90	7275	6886	6131	6627	54.85		
			HEF	80	6962	7294	5613	5984	47.97		
				90	7275	6864	5691	5984	47.97		
		7500LM	SEF	80	7756	8158	6574	6905	62.6		
				90	7969	7543	6716	7260	62.6		
			HEF	80	7626	7991	6148	6555	54.02		
				90	7969	7519	6234	6555	54.02		

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
L/Lens	L48	3000LM	SEF	80	3019	3104	3190	3265	20.32
				90	2631	2688	2764	2906	20.32
			HEF	80	3010	3052	3190	3198	19.01
				90	2461	2495	2624	2624	19.01
		4000LM	SEF	80	4034	4148	4262	4363	27.58
				90	3515	3591	3693	3882	27.58
			HEF	80	4021	4078	4262	4273	24.75
				90	3288	3334	3505	3505	24.75
		5000LM	SEF	80	5047	5189	5332	5458	34.8
				90	4398	4493	4620	4857	34.8
			HEF	80	5031	5102	5332	5346	31.77
				90	4113	4171	4386	4386	31.77
		7000LM	SEF	80	7311	7517	7724	7907	49.05
				90	6371	6509	6692	7036	49.05
			HEF	80	7288	7391	7724	7744	44.67
				90	5959	6042	6353	6353	44.67
		9000LM	SEF	80	9215	9475	9735	9967	63.99
				90	8031	8204	8435	8869	63.99
			HEF	80	9186	9317	9735	9762	58.58
				90	7511	7615	8008	8008	58.58
		10000LM	SEF	80	10299	10590	10880	11139	73.37
				90	8975	9169	9427	9912	73.37
			HEF	80	10266	10412	10880	10910	66.27
				90	8394	8511	8950	8950	66.27
	L96	6000LM	SEF	80	5942	6110	6278	6427	38.15
				90	5178	5290	5439	5719	38.15
			HEF	80	5923	6008	6278	6294	35.54
				90	4843	4911	5164	5164	35.54
		8000LM	SEF	80	7929	8153	8376	8575	52.32
				90	6910	7059	7258	7631	52.32
			HEF	80	7903	8016	8376	8399	48.5
				90	6462	6552	6890	6890	48.5
		10000LM	SEF	80	9808	10085	10362	10608	66.47
				90	8548	8732	8978	9439	66.47
			HEF	80	9777	9916	10362	10390	60.89
				90	7994	8106	8523	8523	60.89
		14000LM	SEF	80	14323	14727	15131	15491	94.78
				90	12482	12752	13111	13784	94.78
			HEF	80	14277	14480	15131	15172	85.96
				90	11674	11836	12447	12447	85.96
		18000LM	SEF	80	18458	18979	19500	19963	128.98
				90	16086	16433	16896	17764	128.98
			HEF	80	18399	18661	19500	19552	116.92
				90	15044	15254	16040	16040	116.92
		20000LM	SEF	80	20386	20962	21537	22048	146.83
				90	17766	18150	18661	19619	146.83
			HEF	80	20321	20610	21537	21595	131.6
				90	16616	16847	17716	17716	131.6

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
RDL	L24	1500LM	SEF	80	1359	1397	1436	1470	10.85
				90	1184	1210	1244	1308	10.85
			HEF	80	1355	1374	1436	1439	10.39
				90	1107	1123	1181	1181	10.39
		2000LM	SEF	80	1875	1928	1981	2028	14.48
				90	1634	1670	1717	1805	14.48
			HEF	80	1869	1896	1981	1987	13.46
				90	1528	1550	1630	1630	13.46
		2500LM	SEF	80	2374	2441	2508	2567	18.41
				90	2069	2113	2173	2284	18.41
			HEF	80	2366	2400	2508	2514	17.42
				90	1935	1962	2063	2063	17.42
		3500LM	SEF	80	3192	3282	3372	3452	25.83
				90	2782	2842	2922	3072	25.83
			HEF	80	3182	3227	3372	3381	25.04
				90	2602	2638	2774	2774	25.04
		4500LM	SEF	80	4574	4703	4832	4947	38.7
				90	3986	4072	4187	4402	38.7
			HEF	80	4560	4624	4832	4845	34.8
				90	3728	3780	3975	3975	34.8
		5000LM	SEF	80	4860	4997	5134	5256	41.48
				90	4235	4327	4448	4677	41.48
			HEF	80	4844	4913	5134	5148	38.11
				90	3961	4016	4223	4223	38.11
	L36	2250LM	SEF	80	2188	2250	2311	2366	16.36
				90	1907	1948	2003	2106	16.36
			HEF	80	2181	2212	2311	2318	15.47
				90	1783	1808	1901	1901	15.47
		3000LM	SEF	80	2843	2924	3004	3075	20.8
				90	2478	2531	2603	2736	20.8
			HEF	80	2834	2875	3004	3012	19.98
				90	2317	2350	2471	2471	19.98
		3750LM	SEF	80	3639	3742	3845	3936	26.47
				90	3171	3240	3331	3502	26.47
			HEF	80	3628	3679	3845	3855	25.09
				90	2966	3007	3162	3162	25.09
		5250LM	SEF	80	4895	5033	5171	5294	39.9
				90	4265	4357	4480	4710	39.9
			HEF	80	4879	4948	5171	5185	34.3
				90	3989	4045	4253	4253	34.3
		6750LM	SEF	80	6250	6426	6602	6759	54.85
				90	5446	5564	5721	6014	54.85
			HEF	80	6230	6318	6602	6620	47.97
				90	5094	5165	5431	5431	47.97
		7500LM	SEF	80	6846	7039	7232	7404	62.6
				90	5966	6095	6266	6588	62.6
			HEF	80	6824	6921	7232	7252	54.02
				90	5580	5657	5949	5949	54.02

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
RDL	L48	3000LM	SEF	80	2740	2817	2895	2963	20.32
				90	2388	2439	2508	2637	20.32
			HEF	80	2731	2770	2895	2902	19.01
				90	2233	2264	2381	2381	19.01
		4000LM	SEF	80	3661	3764	3868	3959	27.58
				90	3190	3259	3351	3523	27.58
			HEF	80	3649	3701	3868	3878	24.75
				90	2984	3025	3181	3181	24.75
		5000LM	SEF	80	4580	4710	4839	4954	34.8
				90	3992	4078	4193	4408	34.8
			HEF	80	4566	4631	4839	4852	31.77
				90	3733	3785	3980	3980	31.77
		7000LM	SEF	80	6635	6822	7009	7176	49.05
				90	5782	5907	6073	6385	49.05
			HEF	80	6614	6708	7009	7028	44.67
				90	5408	5483	5766	5766	44.67
		9000LM	SEF	80	8363	8599	8835	9045	63.99
				90	7288	7446	7655	8049	63.99
			HEF	80	8336	8455	8835	8859	58.58
				90	6816	6911	7268	7268	58.58
		10000LM	SEF	80	9347	9611	9874	10109	73.37
				90	8145	8321	8556	8995	73.37
			HEF	80	9317	9450	9874	9901	66.27
				90	7618	7724	8122	8122	66.27
	L96	6000LM	SEF	80	5393	5545	5697	5832	38.15
				90	4700	4801	4936	5190	38.15
			HEF	80	5375	5452	5697	5712	35.54
				90	4395	4457	4686	4686	35.54
		8000LM	SEF	80	7196	7399	7602	7782	52.32
				90	6271	6406	6587	6925	52.32
			HEF	80	7173	7275	7602	7622	48.5
				90	5865	5946	6253	6253	48.5
		10000LM	SEF	80	8902	9153	9404	9627	66.47
				90	7757	7925	8148	8567	66.47
			HEF	80	8873	8999	9404	9429	60.89
				90	7255	7356	7735	7735	60.89
		14000LM	SEF	80	12999	13366	13732	14058	94.78
				90	11328	11573	11899	12510	94.78
			HEF	80	12957	13142	13732	13769	85.96
				90	10594	10742	11296	11296	85.96
		18000LM	SEF	80	16751	17224	17697	18117	128.98
				90	14598	14913	15334	16121	128.98
			HEF	80	16698	16936	17697	17744	116.92
				90	13653	13843	14557	14557	116.92
		20000LM	SEF	80	18501	19023	19545	20009	146.83
				90	16123	16471	16935	17805	146.83
			HEF	80	18442	18705	19545	19598	131.6
				90	15079	15290	16078	16078	131.6

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
FDL	L24	1500LM	SEF	80	1320	1358	1395	1428	10.85
				90	1151	1175	1208	1271	10.85
			HEF	80	1316	1335	1395	1399	10.39
				90	1076	1091	1147	1147	10.39
		2000LM	SEF	80	1822	1874	1925	1971	14.48
				90	1588	1622	1668	1754	14.48
			HEF	80	1816	1842	1925	1930	13.46
				90	1485	1506	1583	1583	13.46
		2500LM	SEF	80	2306	2371	2436	2494	18.41
				90	2010	2053	2111	2219	18.41
			HEF	80	2299	2332	2436	2443	17.42
				90	1880	1906	2004	2004	17.42
		3500LM	SEF	80	3102	3189	3277	3354	25.83
				90	2703	2761	2839	2985	25.83
			HEF	80	3092	3136	3277	3285	25.04
				90	2528	2563	2695	2695	25.04
		4500LM	SEF	80	4444	4570	4695	4807	38.7
				90	3873	3957	4068	4277	38.7
			HEF	80	4430	4493	4695	4708	34.8
				90	3622	3673	3862	3862	34.8
		5000LM	SEF	80	4722	4855	4988	5107	41.48
				90	4115	4204	4322	4544	41.48
			HEF	80	4707	4774	4988	5002	38.11
				90	3848	3902	4103	4103	38.11
	L36	2250LM	SEF	80	2126	2186	2246	2299	16.36
				90	1852	1892	1946	2046	16.36
			HEF	80	2119	2149	2246	2252	15.47
				90	1732	1757	1847	1847	15.47
		3000LM	SEF	80	2762	2840	2918	2988	20.8
				90	2407	2459	2529	2659	20.8
			HEF	80	2754	2793	2918	2926	19.98
				90	2251	2283	2401	2401	19.98
		3750LM	SEF	80	3536	3636	3735	3824	26.47
				90	3081	3148	3237	3403	26.47
			HEF	80	3525	3575	3735	3745	25.09
				90	2882	2922	3073	3073	25.09
		5250LM	SEF	80	4755	4890	5024	5143	39.9
				90	4144	4234	4353	4577	39.9
			HEF	80	4740	4808	5024	5037	34.3
				90	3876	3930	4132	4132	34.3
		6750LM	SEF	80	6072	6243	6415	6567	54.85
				90	5292	5406	5558	5844	54.85
			HEF	80	6053	6139	6415	6432	47.97
				90	4949	5018	5276	5276	47.97
		7500LM	SEF	80	6651	6839	7027	7194	62.6
				90	5796	5922	6088	6401	62.6
			HEF	80	6630	6725	7027	7046	54.02
				90	5421	5497	5780	5780	54.02

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage	
					Color Temperature					
					3000K	3500K	4000K	5000K		
FDL	L48	3000LM	SEF	80	2662	2737	2812	2879	20.32	
				90	2320	2370	2437	2562	20.32	
			HEF	80	2654	2691	2812	2820	19.01	
				90	2170	2200	2313	2313	19.01	
		4000LM	SEF	80	3557	3657	3758	3847	27.58	
				90	3100	3167	3256	3423	27.58	
			HEF	80	3546	3596	3758	3768	24.75	
				90	2899	2939	3091	3091	24.75	
		5000LM	SEF	80	4450	4576	4701	4813	34.8	
				90	3878	3962	4073	4283	34.8	
			HEF	80	4436	4499	4701	4714	31.77	
				90	3627	3678	3867	3867	31.77	
		7000LM	SEF	80	6446	6628	6810	6972	49.05	
				90	5618	5739	5901	6204	49.05	
			HEF	80	6426	6517	6810	6829	44.67	
				90	5254	5327	5602	5602	44.67	
		9000LM	SEF	80	8126	8355	8584	8788	63.99	
				90	7081	7234	7438	7820	63.99	
			HEF	80	8100	8215	8584	8607	58.58	
				90	6623	6715	7061	7061	58.58	
		10000LM	SEF	80	9081	9338	9594	9822	73.37	
				90	7914	8085	8313	8740	73.37	
			HEF	80	9052	9181	9594	9620	66.27	
				90	7402	7505	7892	7892	66.27	
	L96	6000LM	SEF	80	5240	5387	5535	5667	38.15	
				90	4566	4665	4796	5042	38.15	
				HEF	80	5223	5297	5535	5550	35.54
			90		4270	4330	4553	4553	35.54	
			8000LM	SEF	80	6991	7189	7386	7561	52.32
					90	6093	6224	6400	6728	52.32
		HEF		80	6969	7068	7386	7406	48.5	
				90	5698	5778	6075	6075	48.5	
		10000LM	SEF	80	8649	8893	9137	9354	66.47	
				90	7537	7700	7917	8323	66.47	
			HEF	80	8621	8744	9137	9161	60.89	
				90	7049	7147	7516	7516	60.89	
		14000LM	SEF	80	12630	12986	13342	13659	94.78	
				90	11006	11244	11561	12154	94.78	
			HEF	80	12589	12768	13342	13378	85.96	
				90	10293	10437	10975	10975	85.96	
		18000LM	SEF	80	16276	16735	17194	17602	128.98	
				90	14184	14490	14898	15663	128.98	
			HEF	80	16223	16454	17194	17240	116.92	
				90	13265	13450	14143	14143	116.92	
		20000LM	SEF	80	17976	18483	18990	19441	146.83	
				90	15665	16004	16454	17300	146.83	
			HEF	80	17918	18173	18990	19041	131.6	
				90	14651	14855	15621	15621	131.6	

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
WDL	L24	1500LM	SEF	80	1377	1415	1454	1489	10.85
				90	1200	1226	1260	1325	10.85
			HEF	80	1372	1392	1454	1458	10.39
				90	1122	1138	1196	1196	10.39
		2000LM	SEF	80	1900	1953	2007	2055	14.48
				90	1656	1691	1739	1828	14.48
			HEF	80	1894	1921	2007	2012	13.46
				90	1548	1570	1651	1651	13.46
		2500LM	SEF	80	2405	2472	2540	2601	18.41
				90	2095	2141	2201	2314	18.41
			HEF	80	2397	2431	2540	2547	17.42
				90	1960	1987	2090	2090	17.42
		3500LM	SEF	80	3234	3325	3416	3497	25.83
				90	2818	2879	2960	3112	25.83
			HEF	80	3223	3269	3416	3426	25.04
				90	2636	2672	2810	2810	25.04
		4500LM	SEF	80	4634	4765	4895	5012	38.7
				90	4038	4125	4242	4459	38.7
			HEF	80	4619	4685	4895	4908	34.8
				90	3777	3829	4027	4027	34.8
		5000LM	SEF	80	4923	5062	5201	5324	41.48
				90	4290	4383	4506	4738	41.48
			HEF	80	4907	4977	5201	5215	38.11
				90	4012	4068	4278	4278	38.11
	L36	2250LM	SEF	80	2216	2279	2341	2397	16.36
				90	1931	1973	2029	2133	16.36
			HEF	80	2209	2241	2341	2348	15.47
				90	1806	1832	1926	1926	15.47
		3000LM	SEF	80	2880	2962	3043	3115	20.8
				90	2510	2564	2636	2772	20.8
			HEF	80	2871	2912	3043	3051	19.98
				90	2347	2380	2503	2503	19.98
		3750LM	SEF	80	3687	3791	3895	3987	26.47
				90	3213	3282	3375	3548	26.47
			HEF	80	3675	3727	3895	3905	25.09
				90	3005	3047	3204	3204	25.09
		5250LM	SEF	80	4958	5098	5238	5362	39.9
				90	4321	4414	4539	4772	39.9
			HEF	80	4942	5013	5238	5252	34.3
				90	4041	4097	4309	4309	34.3
		6750LM	SEF	80	6331	6510	6688	6847	54.85
				90	5517	5636	5795	6093	54.85
			HEF	80	6311	6401	6688	6706	47.97
				90	5160	5232	5502	5502	47.97
		7500LM	SEF	80	6935	7131	7326	7500	62.6
				90	6044	6174	6348	6674	62.6
			HEF	80	6913	7011	7326	7346	54.02
				90	5652	5731	6027	6027	54.02

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
WDL	L48	3000LM	SEF	80	2776	2854	2932	3002	20.32
				90	2419	2471	2541	2671	20.32
			HEF	80	2767	2806	2932	2940	19.01
				90	2262	2294	2412	2412	19.01
		4000LM	SEF	80	3709	3813	3918	4011	27.58
				90	3232	3302	3395	3569	27.58
			HEF	80	3697	3749	3918	3929	24.75
				90	3023	3065	3223	3223	24.75
		5000LM	SEF	80	4640	4771	4902	5018	34.8
				90	4044	4131	4247	4465	34.8
			HEF	80	4625	4691	4902	4915	31.77
				90	3782	3834	4032	4032	31.77
		7000LM	SEF	80	6721	6911	7101	7269	49.05
				90	5857	5984	6152	6469	49.05
			HEF	80	6700	6795	7101	7120	44.67
				90	5478	5554	5841	5841	44.67
		9000LM	SEF	80	8472	8711	8950	9163	63.99
				90	7383	7543	7755	8154	63.99
			HEF	80	8445	8565	8950	8974	58.58
				90	6905	7001	7362	7362	58.58
		10000LM	SEF	80	9469	9736	10003	10240	73.37
				90	8252	8430	8667	9112	73.37
			HEF	80	9438	9573	10003	10030	66.27
				90	7717	7825	8228	8228	66.27
	L96	6000LM	SEF	80	5463	5617	5771	5908	38.15
				90	4761	4864	5001	5258	38.15
			HEF	80	5445	5523	5771	5787	35.54
				90	4452	4515	4747	4747	35.54
		8000LM	SEF	80	7289	7495	7701	7884	52.32
				90	6353	6490	6672	7015	52.32
			HEF	80	7266	7370	7701	7722	48.5
				90	5941	6024	6334	6334	48.5
		10000LM	SEF	80	9017	9272	9526	9752	66.47
				90	7858	8028	8254	8678	66.47
			HEF	80	8988	9117	9526	9552	60.89
				90	7349	7452	7836	7836	60.89
		14000LM	SEF	80	13168	13540	13911	14241	94.78
				90	11476	11723	12054	12673	94.78
			HEF	80	13126	13313	13911	13949	85.96
				90	10732	10882	11443	11443	85.96
		18000LM	SEF	80	16970	17448	17927	18353	128.98
				90	14788	15108	15533	16331	128.98
			HEF	80	16915	17156	17927	17975	116.92
				90	13831	14024	14746	14746	116.92
		20000LM	SEF	80	18742	19271	19800	20270	146.83
				90	16333	16686	17156	18037	146.83
			HEF	80	18682	18948	19800	19853	131.6
				90	15276	15489	16287	16287	131.6

CLX LED Linear

TYPE S3

RRL - RELOC®-Ready Luminaire

- RRL connectors can be used with Quick-Flex®, System 820 and OnePass® systems.
- Load side of connector factory installed to luminaire.
- 4-pole mating connector with push-in terminations allows for simple installation.
- Touch-safe design on both halves meets UL/CSA requirement.
- Wiping contact design allows safe disconnect under load.



ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example: RRLA**

Series	Wiring instructions
RRL RELOC®-ready luminaire	A Hot conductor wired to position #1 (phase A) B Hot conductor wired to position #2 (phase B) C Hot conductor wired to position #3 (phase C) ¹

Compatible RELOC® Cables for Industrial Luminaires (ordered and shipped separately)



Notes

¹ C, ABE, and C12S options are not used with Quick-Flex OFC, QSFC, OPT, and OD.

PRODUCT INFORMATION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below). Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy. Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors. CSA certified systems available with up to 2 circuits. G ground required.

Note: Specifications subject to change without notice.



Advanced 1 or 2-Circuit Plug-In

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Series	Number of hot wires	Branch circuits	Dimming	Ground
PLR	(blank) Not required for 22	<u>Circuits to which ballast is connected</u>	LV Low-voltage dimming	G Ground
PLR22	1 Black 2 Black and red	(blank) Not required for 22 A Black wire B Red wire	(blank) No emergency circuit ELA Emergency circuit wired to black wire ELB Emergency circuit wired to red wire	

Typical Applications

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits and 2-circuit (PLR 22)
- Multiple circuit with night-lights located along row as desired



CLX

INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 800-315-4963 www.lithonia.com

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FEATURES & SPECIFICATIONS

INTENDED USE — The CLX is a linear lighting solution that is available in multiple lengths, lumen packages and distributions. Designed for versatility, the CLX can address virtually any indoor lighting need. The CLX is also offered in standard and high efficacy configurations and capable of being continuous row mounted or installed as a stand-alone fixture. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — Channel and cover are formed from code-gauge cold-rolled steel. Housing and lens endcaps are injection molded plastic to provide a more architectural look and feel. The endcaps come standard with a 7/8" knock out for continuous mounting but can be ordered without.

Finish: Paint options include high-gloss, baked white polyester (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). Five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Offered with acrylic lens and less lens configurations. Provides a choice of optical distributions including, wide, narrow, and aisle.

ELECTRICAL — Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR_ordering information on page 14.) Electronic LED driver is multi-volt input and 0-10V dimming standard (see Operational Data on page 12 for actual wattage consumption). This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided. L70>100,000 hours at 25°C.

LEDs provide nominal 80 CRI or 90CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,500 lumens per foot.

INSTALLATION — Fixture may be ceiling or wall mounted (with or without THCLX hanger or angle mounted with CLXANGBRT), pendant or stem mounted with appropriate mounting options.

WARNING — Removing the lens and opening the fixture during installation exposes the LEDs, putting them at risk for damage.

If you plan to surface mount the fixture, we recommend using the THCLX. This eliminates the need to open the fixture.

If you plan to continuous row mount, we recommend using the PLR wiring harness option. This eliminates the need to open the fixture.

Damage to the LEDs caused during installation will not be covered under the warranty.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 104°F (40°C). Optional High Ambient (HA) ranging to 122°F (50°C) available on certain lumen packages (See ambient temperature chart for additional information).

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

Stock configurations are offered for shorter lead times:

Stock Part Number	UPC	DLC QPL Product ID	DLC Premium
CLX L48 3000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525816	PIANKZ84	Yes
CLX L48 3000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525885	PKW32VKL	Yes
CLX L48 5000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525939	P77I8Z20	Yes
CLX L48 5000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525908	P8A42C1H	Yes
CLX L96 6000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525861	PPFTGRBV	Yes
CLX L96 6000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525915	PW625OTE	Yes
CLX L96 10000LM SEF FDL MVOLT GZ10 40K 80CRI WH	00191723525922	PKYOC7EW	Yes
CLX L96 10000LM SEF FDL MVOLT GZ10 50K 80CRI WH	00191723525830	PKYPL35K	Yes
CLX L48 3000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525960	PIANKZ84	Yes
CLX L48 3000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525892	PKW32VKL	Yes
CLX L48 5000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525854	P77I8Z20	Yes
CLX L48 5000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525946	P8A42C1H	Yes
CLX L96 6000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525878	PPFTGRBV	Yes
CLX L96 6000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525823	PD05SIAD	Yes
CLX L96 10000LM SEF RDL MVOLT GZ10 40K 80CRI WH	00191723525953	PKYOC7EW	Yes
CLX L96 10000LM SEF RDL MVOLT GZ10 50K 80CRI WH	00191723525847	PKYPL35K	Yes

Catalog Number	
Notes	
Type	TYPE L9B

LED Linear

CLX

24", 36", 48" and 96" Lengths



Flat Diffuse Lens

Round Diffuse Lens

Wide Diffuse Lens



PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a [shaded background](#)*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

CLX LED Linear

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** CLX L48 5000LM SEF WDL MVOLT GZ10 40K 80CRI WH

Series	Length	Nominal lumens	Performance package	Louvers	Lens
CLX LED linear	L24 24" ^{1,2}	1500LM 1,500 lumens	SEF Standard efficiency ⁵	(Blank) Less louver	L/Lens Less lens
		2000LM 2,000 lumens	HEF Premium efficiency	SBLW Straight blade louver, white ⁶	FDL Flat diffuse ^{7,8}
		2500LM 2,500 lumens		SBLMB Straight blade louver, matte black ⁶	RDL Round diffuse ^{7,8}
		3500LM 3,500 lumens		SBLGV Straight blade louver, galvanized ⁶	WDL Wide diffuse ^{7,8}
		4500LM 4,500 lumens		SBSLKGY Straight blade louver, smoke gray ⁶	
	L36 36" ²	2250LM 2,250 lumens			
		3000LM 3,000 lumens			
		3750LM 3,750 lumens			
		5250LM 5,250 lumens			
		6750LM 6,750 lumens			
	L48 48"	3000LM 3,000 lumens			
		4000LM 4,000 lumens			
		5000LM 5,000 lumens			
		7000LM 7,000 lumens ²			
		9000LM 9,000 lumens ²			
	L96 96"	10000LM 10,000 lumens ^{2,4}			
		6000LM 6,000 lumens			
		8000LM 8,000 lumens			
		10000LM 10,000 lumens			
		14000LM 14,000 lumens ^{2,4}			
		18000LM 18,000 lumens ^{2,4}			
		20000LM 20,000 lumens ^{2,4}			

ELECTRICAL CONTRACTOR TO DETERMINE APPROPRIATE MOUNTING HARDWARE & ACCESSORIES

Distribution	Voltage	Driver ¹⁴	Color temperature	Coloring rendering index
(Blank) General	MVOLT 120-277V ¹⁰	GZ10 0-10V dimming ¹⁵	30K 3000 K	80CRI 80 CRI
ND Narrow ^{8,9}	120 120V	EZ1 Dimming to 1% ²	35K 3500 K	90CRI 90 CRI
WD Wide ^{8,9}	208 208V ¹¹		40K 4000 K	
AD2 Aisle, 24" off center ^{8,9}	240 240V ¹¹		50K 5000 K	

Options	Finish
PS1050 Emergency battery pack, 10W, CA Title 20 Noncompliant ^{2,11,13,16,17}	WH White
E10WLCP Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEBBS ^{2,11,13,16,17}	GALVW Galvanized with white lens end caps
BGTD Generator transfer device, not available with PS1050 ^{3,16,18}	GALVB Galvanized with black lens end caps
OCS 5', 18/3 Reloc selectable One Pass cable ¹⁵	MB Matte black
HA High ambient, for use in ambient temperatures up to 50°C ¹¹	SKGYW Smoke gray with white lens end caps
EPNKO Decorative endplate, no knock out ¹⁹	SKGYB Smoke gray with black lens end caps
OUTCTR Wiring leads pulled through back center of fixture ²⁰	
OUTEND Wiring leads pulled through end of fixture ²¹	
Cord Sets:	
CS1W Straight blade plug, 120V ^{10,16}	
CS3W NEMA twist-lock plug, 120V ^{10,16}	
CS7W Straight blade plug, 277V ^{10,16}	
CS11W NEMA twist-lock plug, 277V ^{10,16}	
CS25W NEMA twist-lock plug, 347V ^{10,16}	
CS97W NEMA twist-lock plug, 480V ^{10,16}	
CS93W 600V SEOWW white cord, no plug (no voltage required)	
CS6W616STOWD5D 6' white cord, 16/5, no plug, includes low voltage dimming wires (no voltage required) ¹⁵	
PLR Plug-in wiring, see page 16 for ordering information	nLight® Wired: ^{23,25}
PLR1LVG Plug-in wiring, low voltage dimming ²²	N100 nLight® without lumen management
RRL RELOC®-ready luminaire. See page 15 for ordering information	NES7 nLight® nES 7 PIR integral occupancy sensor ²⁶
SPD Surge protection device, provides up to 6kV protection ²⁰	NESPDT7 nLight® nES PDT 7 dual technology integral occupancy control ¹⁹
USPOM Assembled in the United States	NES7ADCX nLight® nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell ²⁶
nLight® Wireless: ^{23,24}	NESPDT7ADCX nLight® nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell ²⁶
NLTAIR2 RES7 nLight® Generation 2 enabled PIR integral occupancy sensor with automatic dimming photocell	Individual controls: ^{23,25}
NLTAIR2 RES7PDT nLight AIR Generation 2 enabled dual technology integral occupancy sensor with automatic dimming photocell	MSD7 PIR integral occupancy sensor
NLTAIR2 RIO No sensor control	MSDPDT7 PDT 7 dual technology integral occupancy control
	MSD7ADC PIR integral occupancy sensor with automatic dimming control photocell
	MSDPDT7ADC PDT integral occupancy sensor with automatic dimming control photocell

See Accessories and footnotes on next page



INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 800-315-4963 www.lithonia.com

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Page 2 of 14

Accessories: Order as separate catalog number.			
Mounting:			
ZACVH	Aircraft cable 120" (one pair)	THCLX ___	Tong hanger (Must specify color) (one pair) ²⁸
ZAC120	One adjustable aircraft cable with canopy 120" ²⁷	CLXANGBKT ___	Angle bracket, (Must specify color) (one pair) ²⁸
ZACFP120	One adjustable aircraft cable with feed (3 conductor) and canopy, 120" ²⁷	HC36	Hanger chain, 36" (one pair)
ZACFPD120	One adjustable aircraft cable with feed (5 conductor) and canopy 120" ²⁷	Sensors & Controls:	
ZAC240	One adjustable aircraft cable with canopy 240" ²⁷	LSXR	Sensor Switch ® LSXR occupancy sensor ²⁹
ZACFP240	One adjustable aircraft cable with feed (3 conductor) and canopy, 240" ²⁷	NPP16D	nLight® switching/dimming module
ZACFPD240	One adjustable aircraft cable with feed (5 conductor) and canopy 240" ²⁷	NPP16DER	nLight® switching/dimming module with emergency relay
SQ_	Stem kit, 2" increments up to 48" ²⁷	rPP20D	nLight® air dimming/switching module
		XPA CMR80	XPoint™ Wireless 0-10V relay, external, 55°C max ambient
		Reflectors:	
		CLXRW24_	Wide decorative 24" reflector, (Must specify color) ³⁰
		CLXRW36_	Wide decorative 36" reflector, (Must specify color) ³⁰
		CLXRW48_	Wide decorative 48" reflector, (Must specify color) ³⁰
		CLXRW96_	Two wide decorative 48" reflectors, (Must specify color) ³⁰
		CLXRWU24_	Wide decorative 24" reflector with uplight, (Must specify color) ³⁰
		CLXRWU36_	Wide decorative 36" reflector with uplight, (Must specify color) ³⁰
		CLXRWU48_	Wide decorative 48" reflector with uplight, (Must specify color) ³⁰
		CLXRWU96_	Two wide decorative 48" reflectors with uplight, (Must specify color) ³⁰
		CLXRN24	Narrow 24" reflector, (Must specify color) ³¹
		CLXRN36	Narrow 36" reflector, (Must specify color) ³¹
		CLXRN48	Narrow 48" reflector, (Must specify color) ³¹
		CLXRN96_	Two narrow 48" reflectors, (Must specify color) ³¹
		Wireguards:	
		WGCLX24_	24" wireguard, (Must specify color) ³²
		WGCLX36_	36" wireguard, (Must specify color) ³²
		WGCLX48_	48" wireguard, XX, (Must specify color) 96" fixture requires two ³²

Notes

- Not available with OUTCTR option.
- Not available with HA option.
- Not available with SEF when ordered in combination with EZ1.
- Not available with NLTAIR2 RES7, NLTAIR2 RES7PDT, or NLTAIR2 RIO.
- Not available with EZ1 when ordered with L24 with 5000LM or L36 with 7500LM.
- When ordered with L24 only available with 1500LM or 2000LM in combination with GZ10 driver. Not for use with THCLX, CLXANGBKT, CLX reflectors or WGCLX accessories. Not available with RDL lens options.
- Only available with general distribution.
- Not available with CLXRN accessories.
- Available L/LENS only.
- Not available with PS1050, E10WLCP, or BGTD.
- Not available with BGTD option.
- Voltage selected utilizes a step-down transformer. Not available with L24 when ordered with N100. Not available with PS1050, E10WLCP or BGTD option.
- Requires SPD option.
- When continuous row mounting, fixtures must all have the same driver selection.
- Not available with Individual controls, nLight wired networking, nLight wireless networking, nLight wireless zone control options.
- Must specify voltage.
- Not available with L24 or L36. Not available with L48 in combination with N100.
- Available with L48 or L96 only. 20 Not available with PS1050 or E10WLCP options. Not available with 208 or 240V. Not available Individual controls, nLight Wired, or nLight Wireless options.
- Not available OUTEND.
- Required with PS1050, E10WLCP, BGTD, XAD, or XAD924.
- Not available with PLR options.
- Not available with XPoint, individual controls, nLight Wired, or nLight Wireless options.
- Sensor housing will be the same color as lens end caps.
- Not available with L24 in combination with 5000LM, not available with L36 in combination with 7500LM, not available with L48 in combination with 10000LM, and not available with L96 in combination with 14000LM, 18000LM, or 20000LM. Not available with PLRs containing low voltage dimming wires.
- Not available with any other control option. Requires EZ1.
- Requires N100 option.
- Ships standard as white.
- Not available with Louver, wireguards, wide reflectors.
- More configurations on [LSXR Specification Sheet](#).
- L24 reflector is 22.65", L36 reflector is 34.01", L48 reflector is 46.80", L96 comes with two L48 reflectors.
- For use with L/LENS fixtures only. L24 reflector is 22.75", L36 reflector is 34.20", L48 reflector is 46.85", L96 comes with two L48 reflectors.
- Not for use with CLX wide reflector accessories.

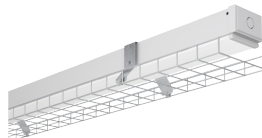
OPTIONS AND ACCESSORIES



Narrow reflector
Ships separately from fixture.
Order as:
CLXRN24_
CLXRN36_
CLXRN48_
CLXRN96_



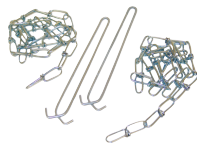
Wide decorative reflector
Ships separately from fixture.
Order as:
CLXRW24_
CLXRW36_
CLXRW48_
CLXRW96_



Wireguard
Ships separately from fixture:
96" fixture requires two WGCLX48.
Order as:
WGCLX24_
WGCLX36_
WGCLX48_



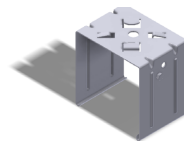
Aircraft Cable with Canopy
Available in 120" or 240"
Order as:
ZAC120
ZAC240



HANGER CHAIN
36" chain with Y hanger, ships as a pair
Order as:
HC36



ZACVH HANGER
10' Aircraft cable with Y hanger.
Order as:
ZACVH



Tong hanger
Ships as a pair
Order As:
THCLX_

CLX LED Linear

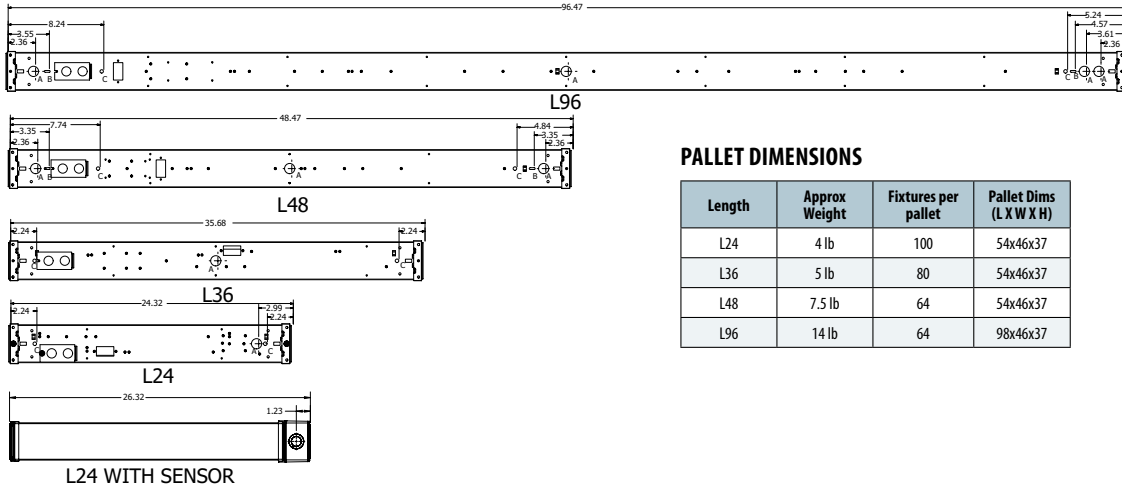
TYPE S3

DIMENSIONS

All dimensions are in inches (centimeters) unless otherwise indicated.
Dimensions may vary with options or accessories.

INTEGRATED SENSOR ADDS 2.0 INCHES TO STANDALONE FIXTURE LENGTH
HOUSING END CAP ADDS 0.236 INCHES TO FIXTURE LENGTH PER SIDE. DIMENSIONS BELOW INCLUDE ENDCAPS.

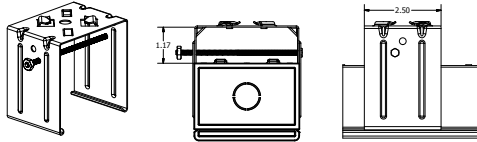
A - 7/8" KNOCK OUT
B - 0.5" by 0.16" SLOT
C - 0.3" DIA HOLE



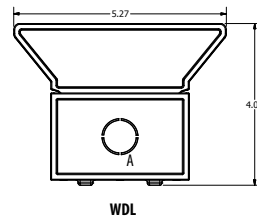
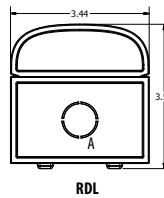
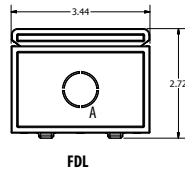
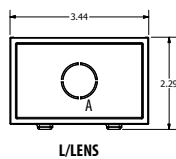
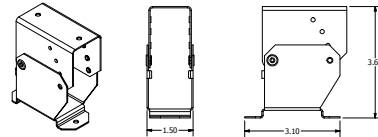
PALLET DIMENSIONS

Length	Approx Weight	Fixtures per pallet	Pallet Dims (L X W X H)
L24	4 lb	100	54x46x37
L36	5 lb	80	54x46x37
L48	7.5 lb	64	54x46x37
L96	14 lb	64	98x46x37

THCLX - SHIPS TWO PER ORDER,
UTILIZES A #8 HEX HEAD SCREW AND NUT
FIXTURE SITS 1.3 INCHES FROM STRUCTURE WHEN MOUNTED



CLXANGBKT - SHIPS TWO PER ORDER
HOLES TO MOUNTING STRUCTURE ARE 0.175" DIA, 2.5" APART
FIXTURE SITS APPROXIMATELY 3.5" FROM STRUCTURE
WHEN MOUNTED HORIZONTAL TO STRUCTURE



PHOTOMETRICS

See www.lithonia.com.



CLX

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Page 4 of 14

POWER SENTRY EMERGENCY BATTERY PACKS

		SEF Emergency Lumens	HEF Emergency Lumens
PS1050	Factory installable	1400	1500
E10WLCP	Factory installable	1400	1500
PS155SLCP	Field installable, remote mount only	2000	2100

Note: For emergency lumen output of specific model, please consult factory. One board will be illuminated during emergency operation.

CLX CHARACTERISTICS

Nominal Lumen Package	Length	Wattage								Length	Width	Depth	Comparable Light Source
		Standard efficiency				High efficiency							
		120V	277V	347V	480V	120V	277V	347V	480V				
Dimensions are shown in inches													
2500LM	24"	19.9	19.9	25.9	25.9	18.5	18.5	24.5	24.5	24	3.5	3.75	1-lamp 32WT8, 1-lamp 54W T5HO, 50W HID
5000LM	24"	41.9	41.9	47.9	47.9	37.9	37.9	43.9	43.9	24	3.5	3.75	2-lamp 32WT8, 1-lamp 54W T5HO, 70W HID
3750LM	36"	28.1	28.1	34.1	34.1	27.0	27.0	33.0	33.0	36	3.5	3.75	1-lamp 32WT8, 1-lamp 54W T5HO, 50W HID
7500LM	36"	62.9	62.9	68.9	68.9	56.8	56.8	62.8	62.8	36	3.5	3.75	2-lamp 32WT8, 1-lamp 54W T5HO, 70W HID
5000LM	48"	35.4	35.4	41.4	41.4	32.9	32.9	38.9	38.9	48	3.5	3.75	2-lamp 32WT8, 1-lamp 54W T5HO, 70W HID
10000LM	48"	77.1	77.1	83.1	83.1	70.4	70.4	76.4	76.4	48	3.5	3.75	3-lamp 32WT8, 2-lamp 54W T5HO, 100W HID
10000LM	96"	70.8	70.8	76.8	76.8	65.8	65.8	71.8	71.8	96	3.5	3.75	3-lamp 32WT8, 2-lamp 54W T5HO, 100W HID
20000LM	96"	154.2	154.2	160.2	160.2	140.8	140.8	146.8	146.8	96	3.5	3.75	6-lamp 32WT8, 4-lamp 54W T5HO, 200W HID

AMBIENT TEMPERATURE RATINGS

Driver Package		GZ10			EZ1			Any Driver	
Length	Lumen package	Direct Surface	THCLX/ Suspended	HA Option (Direct or Suspended)	Direct Surface	THCLX	Suspended 18"	Xpoint/BGTD Direct Surface	PS1050 Suspended
L24	1500LM	40C	40C	N/A	35C	35C	35C	N/A	N/A
	2000LM	40C	40C		35C	35C	35C		
	2500LM	40C	40C		35C	35C	35C		
	3000LM	40C	40C		40C	40C	40C		
	4500LM	40C	40C		35C	35C	40C		
	5000LM	40C	40C		25C	30C	35C		
L36	2250LM	40C	40C		40C	40C	40C		
	3000LM	40C	40C		40C	40C	40C		
	3750LM	40C	40C		40C	40C	40C		
	5250LM	40C	40C		35C	35C	40C		
	6750LM	30C	40C		35C	35C	40C		
	7500LM	30C	40C		25C	30C	35C		
L48	3000LM	40C	40C	50C	40C	40C	40C	35C	25C
	4000LM	40C	40C	50C	40C	40C	40C		
	5000LM	40C	40C	50C	35C	35C	40C		
	7000LM	30C	40C	N/A	35C	35C	40C		
	9000LM	30C	40C		25C	30C	35C		
	10000LM	30C	40C		25C	30C	35C		
6000LM	40C	40C	50C		35C	35C	40C		
L96	8000LM	30C	40C	50C	35C	35C	40C		
	10000LM	30C	40C	50C	25C	30C	35C		
	14000LM	40C	40C	N/A	35C	35C	40C		
	18000LM	30C	40C		25C	30C	35C		
	20000LM	30C	40C		25C	30C	35C		



CLX

CLX OPERATIONAL DATA

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage	
					Color Temperature					
					3000K	3500K	4000K	5000K		
L/Lens	L24	1500LM	SEF	80	1497	1540	1582	1619	10.85	
				90	1305	1333	1371	1441	10.85	
			HEF	80	1493	1514	1582	1586	10.39	
				90	1220	1237	1301	1301	10.39	
		2000LM	SEF	80	2066	2125	2183	2235	14.48	
				90	1801	1840	1892	1989	14.48	
			HEF	80	2060	2089	2183	2189	13.46	
				90	1684	1708	1796	1796	13.46	
		2500LM	SEF	80	2616	2689	2763	2829	18.41	
				90	2279	2329	2394	2517	18.41	
			HEF	80	2607	2644	2763	2771	17.42	
				90	2132	2161	2273	2273	17.42	
		3500LM	SEF	80	3518	3617	3716	3804	25.83	
				90	3065	3132	3220	3385	25.83	
			HEF	80	3506	3556	3716	3726	25.04	
				90	2867	2907	3057	3057	25.04	
		4500LM	SEF	80	5040	5182	5325	5451	38.7	
				90	4392	4487	4614	4851	38.7	
			HEF	80	5024	5096	5325	5339	34.8	
				90	4108	4165	4380	4380	34.8	
		5000LM	SEF	80	5355	5506	5657	5791	41.48	
				90	4667	4767	4902	5153	41.48	
			HEF	80	5338	5414	5657	5672	38.11	
				90	4364	4425	4653	4653	38.11	
	L36	2250LM	SEF	80	2411	2547	2101	2207	16.36	
				90	2479	2607	2146	2320	16.36	
				HEF	80	2437	2554	1965	2095	15.47
			HEF	90	2547	2403	1992	2095	15.47	
			3000LM	SEF	80	3221	3388	2730	2868	20.8
					90	3310	3133	2789	3015	20.8
		HEF		80	3167	3319	2553	2722	19.98	
		HEF	90	3310	3123	2589	2722	19.98		
		3750LM	SEF	80	4123	4337	3495	3671	26.47	
				90	4236	4010	3570	3859	26.47	
			HEF	80	4054	4248	3268	3485	25.09	
		HEF	90	4236	3997	3314	3485	25.09		
		5250LM	SEF	80	5545	5833	4700	4937	39.9	
				90	5698	5393	4801	5190	39.9	
			HEF	80	5452	5713	4396	4687	34.3	
		HEF	90	5698	5376	4457	4687	34.3		
		6750LM	SEF	80	7081	7448	6001	6303	54.85	
				90	7275	6886	6131	6627	54.85	
			HEF	80	6962	7294	5613	5984	47.97	
		HEF	90	7275	6864	5691	5984	47.97		
		7500LM	SEF	80	7756	8158	6574	6905	62.6	
				90	7969	7543	6716	7260	62.6	
			HEF	80	7626	7991	6148	6555	54.02	
		HEF	90	7969	7519	6234	6555	54.02		

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
L/Lens	L48	3000LM	SEF	80	3019	3104	3190	3265	20.32
				90	2631	2688	2764	2906	20.32
			HEF	80	3010	3052	3190	3198	19.01
				90	2461	2495	2624	2624	19.01
		4000LM	SEF	80	4034	4148	4262	4363	27.58
				90	3515	3591	3693	3882	27.58
			HEF	80	4021	4078	4262	4273	24.75
				90	3288	3334	3505	3505	24.75
		5000LM	SEF	80	5047	5189	5332	5458	34.8
				90	4398	4493	4620	4857	34.8
			HEF	80	5031	5102	5332	5346	31.77
				90	4113	4171	4386	4386	31.77
		7000LM	SEF	80	7311	7517	7724	7907	49.05
				90	6371	6509	6692	7036	49.05
			HEF	80	7288	7391	7724	7744	44.67
				90	5959	6042	6353	6353	44.67
		9000LM	SEF	80	9215	9475	9735	9967	63.99
				90	8031	8204	8435	8869	63.99
			HEF	80	9186	9317	9735	9762	58.58
				90	7511	7615	8008	8008	58.58
		10000LM	SEF	80	10299	10590	10880	11139	73.37
				90	8975	9169	9427	9912	73.37
			HEF	80	10266	10412	10880	10910	66.27
				90	8394	8511	8950	8950	66.27
	L96	6000LM	SEF	80	5942	6110	6278	6427	38.15
				90	5178	5290	5439	5719	38.15
			HEF	80	5923	6008	6278	6294	35.54
				90	4843	4911	5164	5164	35.54
		8000LM	SEF	80	7929	8153	8376	8575	52.32
				90	6910	7059	7258	7631	52.32
			HEF	80	7903	8016	8376	8399	48.5
				90	6462	6552	6890	6890	48.5
		10000LM	SEF	80	9808	10085	10362	10608	66.47
				90	8548	8732	8978	9439	66.47
			HEF	80	9777	9916	10362	10390	60.89
				90	7994	8106	8523	8523	60.89
		14000LM	SEF	80	14323	14727	15131	15491	94.78
				90	12482	12752	13111	13784	94.78
			HEF	80	14277	14480	15131	15172	85.96
				90	11674	11836	12447	12447	85.96
		18000LM	SEF	80	18458	18979	19500	19963	128.98
				90	16086	16433	16896	17764	128.98
			HEF	80	18399	18661	19500	19552	116.92
				90	15044	15254	16040	16040	116.92
		20000LM	SEF	80	20386	20962	21537	22048	146.83
				90	17766	18150	18661	19619	146.83
			HEF	80	20321	20610	21537	21595	131.6
				90	16616	16847	17716	17716	131.6

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
RDL	L24	1500LM	SEF	80	1359	1397	1436	1470	10.85
				90	1184	1210	1244	1308	10.85
			HEF	80	1355	1374	1436	1439	10.39
				90	1107	1123	1181	1181	10.39
		2000LM	SEF	80	1875	1928	1981	2028	14.48
				90	1634	1670	1717	1805	14.48
			HEF	80	1869	1896	1981	1987	13.46
				90	1528	1550	1630	1630	13.46
		2500LM	SEF	80	2374	2441	2508	2567	18.41
				90	2069	2113	2173	2284	18.41
			HEF	80	2366	2400	2508	2514	17.42
				90	1935	1962	2063	2063	17.42
		3500LM	SEF	80	3192	3282	3372	3452	25.83
				90	2782	2842	2922	3072	25.83
			HEF	80	3182	3227	3372	3381	25.04
				90	2602	2638	2774	2774	25.04
		4500LM	SEF	80	4574	4703	4832	4947	38.7
				90	3986	4072	4187	4402	38.7
			HEF	80	4560	4624	4832	4845	34.8
				90	3728	3780	3975	3975	34.8
		5000LM	SEF	80	4860	4997	5134	5256	41.48
				90	4235	4327	4448	4677	41.48
			HEF	80	4844	4913	5134	5148	38.11
				90	3961	4016	4223	4223	38.11
	L36	2250LM	SEF	80	2188	2250	2311	2366	16.36
				90	1907	1948	2003	2106	16.36
			HEF	80	2181	2212	2311	2318	15.47
				90	1783	1808	1901	1901	15.47
		3000LM	SEF	80	2843	2924	3004	3075	20.8
				90	2478	2531	2603	2736	20.8
			HEF	80	2834	2875	3004	3012	19.98
				90	2317	2350	2471	2471	19.98
		3750LM	SEF	80	3639	3742	3845	3936	26.47
				90	3171	3240	3331	3502	26.47
			HEF	80	3628	3679	3845	3855	25.09
				90	2966	3007	3162	3162	25.09
		5250LM	SEF	80	4895	5033	5171	5294	39.9
				90	4265	4357	4480	4710	39.9
			HEF	80	4879	4948	5171	5185	34.3
				90	3989	4045	4253	4253	34.3
		6750LM	SEF	80	6250	6426	6602	6759	54.85
				90	5446	5564	5721	6014	54.85
			HEF	80	6230	6318	6602	6620	47.97
				90	5094	5165	5431	5431	47.97
		7500LM	SEF	80	6846	7039	7232	7404	62.6
				90	5966	6095	6266	6588	62.6
			HEF	80	6824	6921	7232	7252	54.02
				90	5580	5657	5949	5949	54.02

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
RDL	L48	3000LM	SEF	80	2740	2817	2895	2963	20.32
				90	2388	2439	2508	2637	20.32
			HEF	80	2731	2770	2895	2902	19.01
				90	2233	2264	2381	2381	19.01
		4000LM	SEF	80	3661	3764	3868	3959	27.58
				90	3190	3259	3351	3523	27.58
			HEF	80	3649	3701	3868	3878	24.75
				90	2984	3025	3181	3181	24.75
		5000LM	SEF	80	4580	4710	4839	4954	34.8
				90	3992	4078	4193	4408	34.8
			HEF	80	4566	4631	4839	4852	31.77
				90	3733	3785	3980	3980	31.77
		7000LM	SEF	80	6635	6822	7009	7176	49.05
				90	5782	5907	6073	6385	49.05
			HEF	80	6614	6708	7009	7028	44.67
				90	5408	5483	5766	5766	44.67
		9000LM	SEF	80	8363	8599	8835	9045	63.99
				90	7288	7446	7655	8049	63.99
			HEF	80	8336	8455	8835	8859	58.58
				90	6816	6911	7268	7268	58.58
		10000LM	SEF	80	9347	9611	9874	10109	73.37
				90	8145	8321	8556	8995	73.37
			HEF	80	9317	9450	9874	9901	66.27
				90	7618	7724	8122	8122	66.27
	L96	6000LM	SEF	80	5393	5545	5697	5832	38.15
				90	4700	4801	4936	5190	38.15
			HEF	80	5375	5452	5697	5712	35.54
				90	4395	4457	4686	4686	35.54
		8000LM	SEF	80	7196	7399	7602	7782	52.32
				90	6271	6406	6587	6925	52.32
			HEF	80	7173	7275	7602	7622	48.5
				90	5865	5946	6253	6253	48.5
		10000LM	SEF	80	8902	9153	9404	9627	66.47
				90	7757	7925	8148	8567	66.47
			HEF	80	8873	8999	9404	9429	60.89
				90	7255	7356	7735	7735	60.89
		14000LM	SEF	80	12999	13366	13732	14058	94.78
				90	11328	11573	11899	12510	94.78
			HEF	80	12957	13142	13732	13769	85.96
				90	10594	10742	11296	11296	85.96
		18000LM	SEF	80	16751	17224	17697	18117	128.98
				90	14598	14913	15334	16121	128.98
			HEF	80	16698	16936	17697	17744	116.92
				90	13653	13843	14557	14557	116.92
		20000LM	SEF	80	18501	19023	19545	20009	146.83
				90	16123	16471	16935	17805	146.83
			HEF	80	18442	18705	19545	19598	131.6
				90	15079	15290	16078	16078	131.6

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
FDL	L24	1500LM	SEF	80	1320	1358	1395	1428	10.85
				90	1151	1175	1208	1271	10.85
			HEF	80	1316	1335	1395	1399	10.39
				90	1076	1091	1147	1147	10.39
		2000LM	SEF	80	1822	1874	1925	1971	14.48
				90	1588	1622	1668	1754	14.48
			HEF	80	1816	1842	1925	1930	13.46
				90	1485	1506	1583	1583	13.46
		2500LM	SEF	80	2306	2371	2436	2494	18.41
				90	2010	2053	2111	2219	18.41
			HEF	80	2299	2332	2436	2443	17.42
				90	1880	1906	2004	2004	17.42
		3500LM	SEF	80	3102	3189	3277	3354	25.83
				90	2703	2761	2839	2985	25.83
			HEF	80	3092	3136	3277	3285	25.04
				90	2528	2563	2695	2695	25.04
		4500LM	SEF	80	4444	4570	4695	4807	38.7
				90	3873	3957	4068	4277	38.7
			HEF	80	4430	4493	4695	4708	34.8
				90	3622	3673	3862	3862	34.8
		5000LM	SEF	80	4722	4855	4988	5107	41.48
				90	4115	4204	4322	4544	41.48
			HEF	80	4707	4774	4988	5002	38.11
				90	3848	3902	4103	4103	38.11
	L36	2250LM	SEF	80	2126	2186	2246	2299	16.36
				90	1852	1892	1946	2046	16.36
			HEF	80	2119	2149	2246	2252	15.47
				90	1732	1757	1847	1847	15.47
		3000LM	SEF	80	2762	2840	2918	2988	20.8
				90	2407	2459	2529	2659	20.8
			HEF	80	2754	2793	2918	2926	19.98
				90	2251	2283	2401	2401	19.98
		3750LM	SEF	80	3536	3636	3735	3824	26.47
				90	3081	3148	3237	3403	26.47
			HEF	80	3525	3575	3735	3745	25.09
				90	2882	2922	3073	3073	25.09
		5250LM	SEF	80	4755	4890	5024	5143	39.9
				90	4144	4234	4353	4577	39.9
			HEF	80	4740	4808	5024	5037	34.3
				90	3876	3930	4132	4132	34.3
		6750LM	SEF	80	6072	6243	6415	6567	54.85
				90	5292	5406	5558	5844	54.85
			HEF	80	6053	6139	6415	6432	47.97
				90	4949	5018	5276	5276	47.97
		7500LM	SEF	80	6651	6839	7027	7194	62.6
				90	5796	5922	6088	6401	62.6
			HEF	80	6630	6725	7027	7046	54.02
				90	5421	5497	5780	5780	54.02

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
FDL	L48	3000LM	SEF	80	2662	2737	2812	2879	20.32
				90	2320	2370	2437	2562	20.32
			HEF	80	2654	2691	2812	2820	19.01
				90	2170	2200	2313	2313	19.01
		4000LM	SEF	80	3557	3657	3758	3847	27.58
				90	3100	3167	3256	3423	27.58
			HEF	80	3546	3596	3758	3768	24.75
				90	2899	2939	3091	3091	24.75
		5000LM	SEF	80	4450	4576	4701	4813	34.8
				90	3878	3962	4073	4283	34.8
			HEF	80	4436	4499	4701	4714	31.77
				90	3627	3678	3867	3867	31.77
		7000LM	SEF	80	6446	6628	6810	6972	49.05
				90	5618	5739	5901	6204	49.05
			HEF	80	6426	6517	6810	6829	44.67
				90	5254	5327	5602	5602	44.67
		9000LM	SEF	80	8126	8355	8584	8788	63.99
				90	7081	7234	7438	7820	63.99
			HEF	80	8100	8215	8584	8607	58.58
				90	6623	6715	7061	7061	58.58
		10000LM	SEF	80	9081	9338	9594	9822	73.37
				90	7914	8085	8313	8740	73.37
			HEF	80	9052	9181	9594	9620	66.27
				90	7402	7505	7892	7892	66.27
	L96	6000LM	SEF	80	5240	5387	5535	5667	38.15
				90	4566	4665	4796	5042	38.15
			HEF	80	5223	5297	5535	5550	35.54
				90	4270	4330	4553	4553	35.54
		8000LM	SEF	80	6991	7189	7386	7561	52.32
				90	6093	6224	6400	6728	52.32
			HEF	80	6969	7068	7386	7406	48.5
				90	5698	5778	6075	6075	48.5
		10000LM	SEF	80	8649	8893	9137	9354	66.47
				90	7537	7700	7917	8323	66.47
			HEF	80	8621	8744	9137	9161	60.89
				90	7049	7147	7516	7516	60.89
		14000LM	SEF	80	12630	12986	13342	13659	94.78
				90	11006	11244	11561	12154	94.78
			HEF	80	12589	12768	13342	13378	85.96
				90	10293	10437	10975	10975	85.96
		18000LM	SEF	80	16276	16735	17194	17602	128.98
				90	14184	14490	14898	15663	128.98
			HEF	80	16223	16454	17194	17240	116.92
				90	13265	13450	14143	14143	116.92
		20000LM	SEF	80	17976	18483	18990	19441	146.83
				90	15665	16004	16454	17300	146.83
			HEF	80	17918	18173	18990	19041	131.6
				90	14651	14855	15621	15621	131.6

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
WDL	L24	1500LM	SEF	80	1377	1415	1454	1489	10.85
				90	1200	1226	1260	1325	10.85
			HEF	80	1372	1392	1454	1458	10.39
				90	1122	1138	1196	1196	10.39
		2000LM	SEF	80	1900	1953	2007	2055	14.48
				90	1656	1691	1739	1828	14.48
			HEF	80	1894	1921	2007	2012	13.46
				90	1548	1570	1651	1651	13.46
		2500LM	SEF	80	2405	2472	2540	2601	18.41
				90	2095	2141	2201	2314	18.41
			HEF	80	2397	2431	2540	2547	17.42
				90	1960	1987	2090	2090	17.42
		3500LM	SEF	80	3234	3325	3416	3497	25.83
				90	2818	2879	2960	3112	25.83
			HEF	80	3223	3269	3416	3426	25.04
				90	2636	2672	2810	2810	25.04
		4500LM	SEF	80	4634	4765	4895	5012	38.7
				90	4038	4125	4242	4459	38.7
			HEF	80	4619	4685	4895	4908	34.8
				90	3777	3829	4027	4027	34.8
		5000LM	SEF	80	4923	5062	5201	5324	41.48
				90	4290	4383	4506	4738	41.48
			HEF	80	4907	4977	5201	5215	38.11
				90	4012	4068	4278	4278	38.11
	L36	2250LM	SEF	80	2216	2279	2341	2397	16.36
				90	1931	1973	2029	2133	16.36
			HEF	80	2209	2241	2341	2348	15.47
				90	1806	1832	1926	1926	15.47
		3000LM	SEF	80	2880	2962	3043	3115	20.8
				90	2510	2564	2636	2772	20.8
			HEF	80	2871	2912	3043	3051	19.98
				90	2347	2380	2503	2503	19.98
		3750LM	SEF	80	3687	3791	3895	3987	26.47
				90	3213	3282	3375	3548	26.47
			HEF	80	3675	3727	3895	3905	25.09
				90	3005	3047	3204	3204	25.09
		5250LM	SEF	80	4958	5098	5238	5362	39.9
				90	4321	4414	4539	4772	39.9
			HEF	80	4942	5013	5238	5252	34.3
				90	4041	4097	4309	4309	34.3
		6750LM	SEF	80	6331	6510	6688	6847	54.85
				90	5517	5636	5795	6093	54.85
			HEF	80	6311	6401	6688	6706	47.97
				90	5160	5232	5502	5502	47.97
		7500LM	SEF	80	6935	7131	7326	7500	62.6
				90	6044	6174	6348	6674	62.6
			HEF	80	6913	7011	7326	7346	54.02
				90	5652	5731	6027	6027	54.02

CLX OPERATIONAL DATA (continued)

	Length	Nominal lumen package	Performance package	CRI	Delivered Lumens				Wattage
					Color Temperature				
					3000K	3500K	4000K	5000K	
WDL	L48	3000LM	SEF	80	2776	2854	2932	3002	20.32
				90	2419	2471	2541	2671	20.32
			HEF	80	2767	2806	2932	2940	19.01
				90	2262	2294	2412	2412	19.01
		4000LM	SEF	80	3709	3813	3918	4011	27.58
				90	3232	3302	3395	3569	27.58
			HEF	80	3697	3749	3918	3929	24.75
				90	3023	3065	3223	3223	24.75
		5000LM	SEF	80	4640	4771	4902	5018	34.8
				90	4044	4131	4247	4465	34.8
			HEF	80	4625	4691	4902	4915	31.77
				90	3782	3834	4032	4032	31.77
		7000LM	SEF	80	6721	6911	7101	7269	49.05
				90	5857	5984	6152	6469	49.05
			HEF	80	6700	6795	7101	7120	44.67
				90	5478	5554	5841	5841	44.67
		9000LM	SEF	80	8472	8711	8950	9163	63.99
				90	7383	7543	7755	8154	63.99
			HEF	80	8445	8565	8950	8974	58.58
				90	6905	7001	7362	7362	58.58
		10000LM	SEF	80	9469	9736	10003	10240	73.37
				90	8252	8430	8667	9112	73.37
			HEF	80	9438	9573	10003	10030	66.27
				90	7717	7825	8228	8228	66.27
	L96	6000LM	SEF	80	5463	5617	5771	5908	38.15
				90	4761	4864	5001	5258	38.15
			HEF	80	5445	5523	5771	5787	35.54
				90	4452	4515	4747	4747	35.54
		8000LM	SEF	80	7289	7495	7701	7884	52.32
				90	6353	6490	6672	7015	52.32
			HEF	80	7266	7370	7701	7722	48.5
				90	5941	6024	6334	6334	48.5
		10000LM	SEF	80	9017	9272	9526	9752	66.47
				90	7858	8028	8254	8678	66.47
			HEF	80	8988	9117	9526	9552	60.89
				90	7349	7452	7836	7836	60.89
		14000LM	SEF	80	13168	13540	13911	14241	94.78
				90	11476	11723	12054	12673	94.78
			HEF	80	13126	13313	13911	13949	85.96
				90	10732	10882	11443	11443	85.96
		18000LM	SEF	80	16970	17448	17927	18353	128.98
				90	14788	15108	15533	16331	128.98
			HEF	80	16915	17156	17927	17975	116.92
				90	13831	14024	14746	14746	116.92
		20000LM	SEF	80	18742	19271	19800	20270	146.83
				90	16333	16686	17156	18037	146.83
			HEF	80	18682	18948	19800	19853	131.6
				90	15276	15489	16287	16287	131.6

CLX LED Linear

TYPE S3

RRL - RELOC®-Ready Luminaire

- RRL connectors can be used with Quick-Flex®, System 820 and OnePass® systems.
- Load side of connector factory installed to luminaire.
- 4-pole mating connector with push-in terminations allows for simple installation.
- Touch-safe design on both halves meets UL/CSA requirement.
- Wiping contact design allows safe disconnect under load.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: RRLA

Series	Wiring instructions
RRL RELOC®-ready luminaire	<p>A Hot conductor wired to position #1 (phase A)</p> <p>B Hot conductor wired to position #2 (phase B)</p> <p>C Hot conductor wired to position #3 (phase C) ¹</p>

Compatible RELOC® Cables for Industrial Luminaires (ordered and shipped separately)



Notes

¹ C, ABE, and C12S options are not used with Quick-Flex OFC, QSFC, QPT, and OD.

PRODUCT INFORMATION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below).

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Note: Specifications subject to change without notice.



Wiring

PLR

Advanced 1 or 2-Circuit Plug-In

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Series	Number of hot wires	Branch circuits	Dimming	Ground
PLR	(blank) Not required for 22	<u>Circuits to which ballast is connected</u>	<u>Emergency circuit connected</u>	LV Low-voltage dimming
PLR22	1 Black	(blank) Not required for 22	(blank) No emergency circuit	G Ground
	2 Black and red	A Black wire	ELA Emergency circuit wired to black wire	
		B Red wire	ELB Emergency circuit wired to red wire	

Typical Applications

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits and 2-circuit (PLR 22)
- Multiple circuit with night-lights located along row as desired



CLX

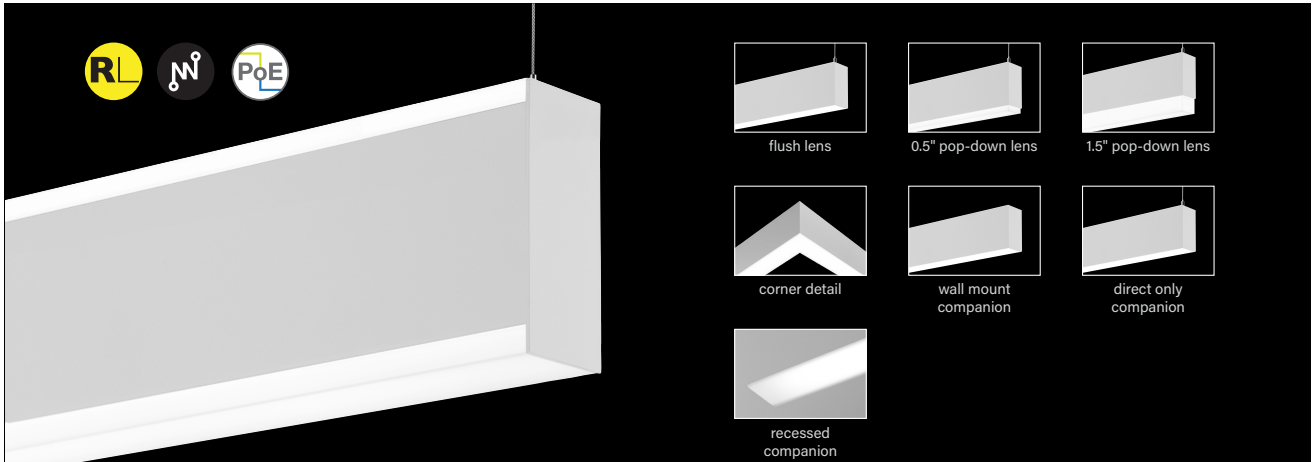
INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 800-315-4963 www.lithonia.com

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Page 14 of 14

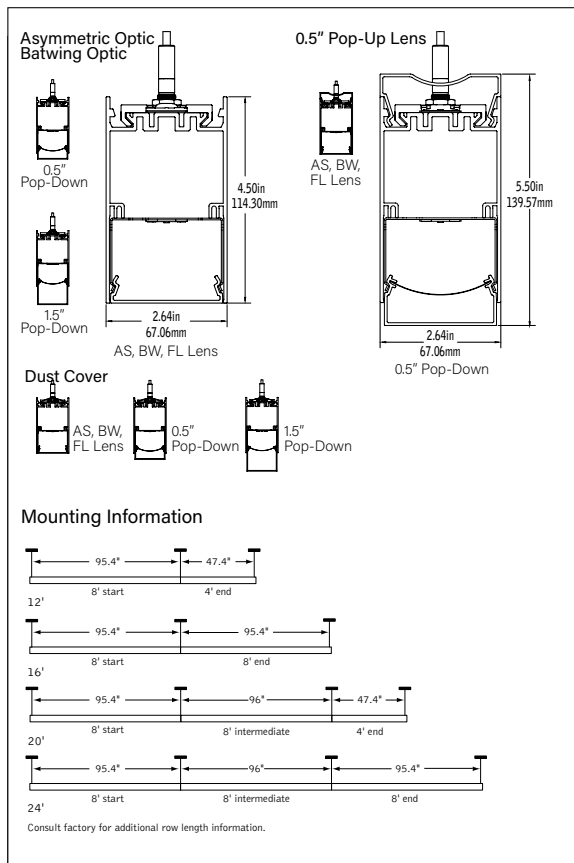
Seem[®] 2

LED DIRECT/INDIRECT

L10A



DIMENSIONAL DATA

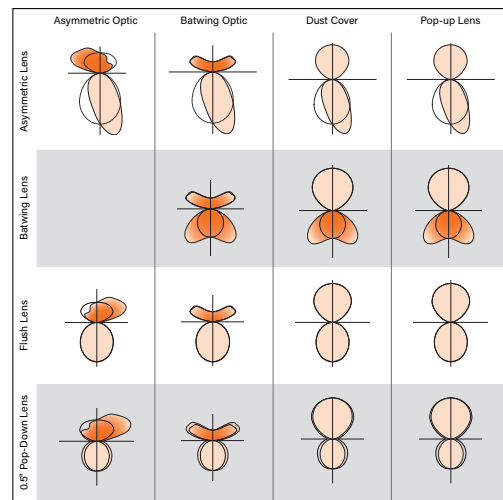


FEATURES

- Narrow extruded aluminum 2.5" linear direct/indirect LED with indirect Asymmetric Optic, Batwing Optic, and Pop-lens options.
- Frosted acrylic lenses provide uninterrupted illumination, without pixels or shadows.
- Individual units and continuous runs in 1' increments.
- Connected Solutions: Integrates with wired and wireless building lighting control systems.
- PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

DISTRIBUTIONS



A brand of **legrand**

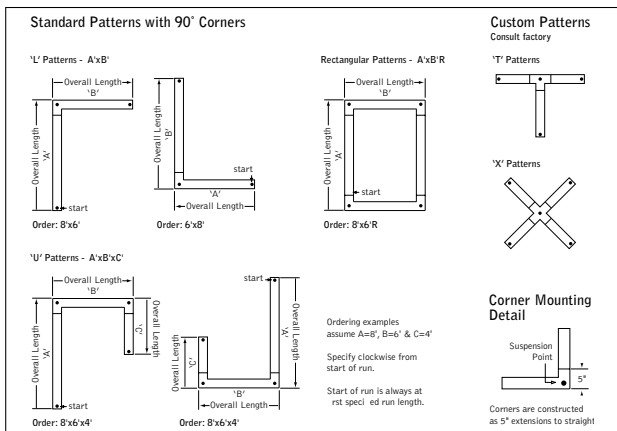
Focal Point LLC | 4141 S. Pulaski Rd, Chicago, IL 60632 | 773.2479494 | focalpointlights.com

December 2022 Q

fixture:

project:

MOUNTING INFORMATION



SPECIFICATIONS

LED System

Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 2700K, 3000K, 3500K or 4000K with CRI>80 or CRI>90. 3500K and 4000K with CRI>90 have a cyanosis observation index (COI) of 3.3 or less. LED modules and drivers are replaceable from below. Color accuracy <3 SDCM.

Construction

One piece extruded aluminum housing. Cast aluminum end caps. 8' unit weight: 30 lbs.

Optic

Reflectors fabricated of 20 Ga. steel finished in Matte White powder coat. Extruded acrylic lens with frosted finish, up to 8' continuous.

Electrical

Luminaires are pre-wired with factory installed branch circuit wiring and over-molded quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming. Power factor > .9. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires. PoE runs require an independent PoE node and power feed for each luminaire section.

Emergency

Emergency Battery output - 10 watts for 90 minutes. Maximum mounting height: 20 ft. Emergency Circuit with Connected Solutions (DLM1, LMFS1, LMFS1, NLTI, ENL1, CLM1, NXE1, WLXP) shipped standard with leads to connect UL924 compliant device, by others.

Labels

UL and cUL listed. Suitable for Dry or Damp Locations, indoor use only.

Finish

Polyester powder coat applied over a multi-stage pre-treatment.

Lumen Maintenance

Reported: L70 at >61,000 hours Calculated: L70 at 257,000 hours
L90 at >61,000 hours L90 at 69,000 hours

Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

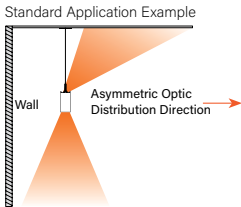
Warranty

LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

4' PERFORMANCE CHARTS

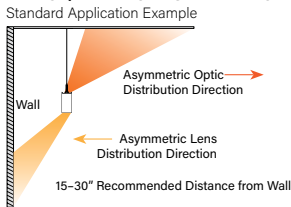
See page 3 & 4.

INDIRECT ASYMMETRIC



Focal Point LLC reserves the right to change specifications for product improvement without notification.

DIRECT/INDIRECT ASYMMETRIC



FINISH TO BE SELECTED BY ARCHITECT

ORDERING










Luminaire Series		FSM2BS
Seem 2 LED Direct / Indirect		
Shielding		
Asymmetric Optic top	Asymmetric Lens bottom	ASAS
	Flush Lens bottom	ASFL
	0.5" Pop-down Lens bottom	ASPD05
Asymmetric Optic top	1.5" Pop-down Lens bottom (Individual Units Only)	ASPD15
	Asymmetric Lens bottom	BWAS
	Batwing Lens bottom	BWBW
Batwing Optic top	Flush Lens bottom	BWFL
	0.5" Pop-down Lens bottom	BWPD05
Batwing Optic top	1.5" Pop-down Lens bottom (Individual Units Only)	BWPD15
	Asymmetric Lens bottom	DCAS
	Batwing Lens bottom	DCBW
Dust Cover top	Flush Lens bottom	DCFL
	0.5" Pop-down Lens bottom	DCPD05
Dust Cover top	1.5" Pop-down Lens bottom (Individual Units Only)	DCPD15
0.5" Pop-up Lens top	Asymmetric Lens bottom	PUAS
	Batwing Lens bottom	PUBW
	Flush Lens bottom	PUFL
	0.5" Pop-down Lens bottom	PUPD05
Direct Distribution		
125 Lumens per foot (LDI & LTI Only)		125DN
250 Lumens per foot		250DN
375 Lumens per foot		375DN
500 Lumens per foot		500DN
625 Lumens per foot		625DN
750 Lumens per foot		750DN
875 Lumens per foot		875DN
1000 Lumens per foot		1000DN
Indirect Distribution		
125 Lumens per foot		125UP
250 Lumens per foot		250UP
375 Lumens per foot		375UP
500 Lumens per foot		500UP
625 Lumens per foot		625UP
750 Lumens per foot		750UP
875 Lumens per foot		875UP
1000 Lumens per foot		1000UP
1250 Lumens per foot (Not available with Pop-up Lenses)		1250UP
Color Temperature		
2700K, 80+ CRI or 90+ CRI		27K or 927K
3000K, 80+ CRI or 90+ CRI		30K or 930K
3500K, 80+ CRI or 90+ CRI		35K or 935K
4000K, 80+ CRI or 90+ CRI		40K or 940K
Circuits & Zones		
1 Circuit, non-emergency		1C
2 non-emergency circuits provide independent control of Direct and Indirect sources (Not available with DLM1, NLTI, CLM1, NXE1)		2C
Consult Ordering Guide on page 6 for multiple circuiting and zoning options		_C_Z_DL
Voltage		
120/277 UNV Volt		UNV
0-10V (LDI & LTI only)		0-10V
Low voltage		LV
Control System & Dimming Level		
0-10V - 10% Dimming		LD1
0-10V - 1% Dimming		LD1
Low Voltage, PoE compatible (No driver. Not available with EM or EC. LV Voltage only.)		LVN
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming		LH1
DALI 1% Dimming (750, 875, 1000 DN or UP; 1250UP consult factory)		DH1
Wattstopper DLM - 1% Dimming		DLM1
Wattstopper Fixture Sensor Low Density - 1% Dimming		LMFS1
Wattstopper Fixture Sensor High Density - 1% Dimming		LMFS1
Acuity nLight - 1% Dimming		NLTI
(750, 875, 1000 DN or UP; 1250UP consult factory)		
Enlighted Smart Sensor - 1% Dimming		ENL1
Encelium CLM Connected Lighting Module - 1% Dimming		CLM1
Current NX Enabled - 1% Dimming		NXE1
WaveLinx Pro - 1% Dimming		WLXP
Mounting		
24" Cable Suspension		C24
48" Cable Suspension		C48
96" Cable Suspension		C96
(Specify canopy color White (WH), Black (BK) or Titanium Silver (TS). Example: C24WH) (Specify one of the following in place of "C") - for 2' canopies at non-feed locations. CS - for sloped ceiling applications.)		
Factory Options		
(See Ordering Guide for ordering details for DC, EC, EM & ECD)		
Black Cord		BKCD
Daylight Circuit		_DC
Emergency Circuit		_EC
Emergency Battery Pack		_EM
Emergency Control Device		_ECD
Finish		
Black		BK
Titanium Silver		TS
Matte White Housing		WH
Luminaire Length		
Specify luminaire/row length in 1' increments (4' minimum. Leave blank for patterns. Smaller increments available, consult factory.)		X'
Pattern Options (4' minimum length)		
'L' pattern		A' x B'
'U' pattern		A' x B' x C'
Rectangular pattern (Consult factory for other pattern options.)		
*Not available with Pop-Up or Pop-Down Lens options.		
*Not available with Pop-Down Lens options.		A' x B' R

QS 10 DAY Options in orange qualify for the Quickship program. 1000' total. Refer to Quickship Guide for complete details including EM/EC options.

4' PERFORMANCE CHART


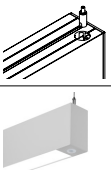




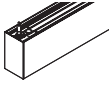

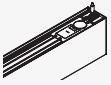



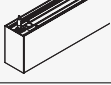

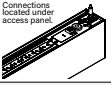


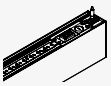

Direct Distribution	Indirect Distribution	Distribution % (Direct/Indirect)	Total Delivered Lumens	Tested System Watts	Lumens Per Watt (LPW)								
					 ASAS	 ASFL	 ASPD05	 ASPD15	 BWAS	 BWBW	 BWFL	 BWP05	 BWP15
125DN	250UP	33/67	1500	14	106	103	100	101	111	109	108	105	105
	375UP	25/75	2000	18	112	110	108	108	118	117	116	113	114
	500UP	20/80	2500	21	117	115	113	113	120	119	118	116	116
	625UP	17/83	3000	25	119	117	115	116	122	121	120	119	119
	750UP	14/86	3500	29	117	116	114	115	121	120	119	118	118
	875UP	13/87	4000	33	118	117	115	116	122	121	120	119	119
	1000UP	11/89	4500	38	119	118	117	117	122	122	121	120	120
250DN	1250UP	9/91	5500	47	120	119	118	118	123	123	122	121	122
	250UP	50/50	2000	18	113	108	104	105	117	114	111	107	109
	375UP	40/60	2500	22	117	113	109	111	122	120	118	114	115
	500UP	33/67	3000	25	120	116	113	114	123	121	119	116	117
	625UP	29/71	3500	29	122	118	115	117	125	123	121	118	119
	750UP	25/75	4000	33	120	117	114	115	123	122	120	117	118
	875UP	22/78	4500	37	120	118	115	116	124	122	121	119	119
375DN	1000UP	20/80	5000	42	121	118	116	117	124	123	122	120	121
	1250UP	17/83	6000	51	121	119	117	118	125	124	123	121	122
	250UP	60/40	2500	22	118	108	106	105	121	118	111	109	108
	375UP	50/50	3000	26	121	112	110	110	125	122	116	114	114
	500UP	43/57	3500	29	123	115	113	113	125	123	118	116	115
	625UP	38/62	4000	33	124	117	115	115	126	124	120	118	118
	750UP	33/67	4500	37	122	116	115	114	125	123	119	117	117
500DN	875UP	30/70	5000	41	122	117	115	115	125	123	120	118	118
	1000UP	27/73	5500	46	122	118	116	116	125	124	121	119	119
	1250UP	23/77	6500	55	122	118	117	117	126	124	122	121	120
	250UP	67/33	3000	27	120	109	106	106	123	119	112	109	108
	375UP	57/43	3500	30	122	113	110	110	126	123	116	113	113
	500UP	50/50	4000	34	124	115	113	113	126	123	117	115	115
	625UP	44/56	4500	37	125	117	115	114	127	124	119	117	117
625DN	750UP	40/60	5000	42	123	116	114	114	125	123	118	116	116
	875UP	36/64	5500	46	123	117	115	115	126	124	119	117	117
	1000UP	33/67	6000	50	123	117	116	116	126	124	120	118	118
	1250UP	29/71	7000	59	123	118	117	117	126	124	121	120	120
	250UP	71/29	3500	32	119	108	104	104	121	117	110	106	106
	375UP	63/37	4000	36	121	111	108	107	124	121	113	111	110
	500UP	56/44	4500	39	123	113	110	110	124	121	115	112	112
750DN	625UP	50/50	5000	42	123	115	112	112	125	122	116	114	114
	750UP	45/55	5500	47	122	114	112	112	124	122	116	114	114
	875UP	42/58	6000	51	122	115	113	113	124	122	117	115	115
	1000UP	38/62	6500	55	122	116	114	114	125	123	118	116	116
	1250UP	33/67	7500	64	122	117	115	115	125	123	119	118	118
	250UP	75/25	4000	37	121	109	104	103	122	118	111	105	105
	375UP	67/33	4500	40	122	112	107	106	125	121	114	109	109
875DN	500UP	60/40	5000	43	123	114	109	109	125	122	115	111	110
	625UP	55/45	5500	47	124	115	111	110	126	123	117	112	112
	750UP	50/50	6000	52	123	115	111	110	125	122	116	113	112
	875UP	46/54	6500	56	123	115	112	111	125	122	117	114	113
	1000UP	43/57	7000	60	123	116	112	112	125	123	118	115	115
	1250UP	38/62	8000	69	123	117	114	114	125	123	119	116	116
	250UP	78/22	4500	42	119	106	103	102	120	116	108	104	104
1000DN	375UP	70/30	5000	46	120	109	106	105	122	119	111	108	107
	500UP	64/36	5500	49	121	111	108	107	123	119	112	109	109
	625UP	58/42	6000	53	122	112	109	109	124	121	114	111	111
	750UP	54/46	6500	57	121	112	109	109	123	120	114	111	111
	875UP	50/50	7000	61	121	113	110	110	123	120	115	112	112
	1000UP	47/53	7500	66	121	113	111	111	124	121	116	113	113
	1250UP	41/59	8500	75	122	115	113	112	124	122	117	115	115
1250DN	250UP	80/20	5000	48	118	107	103	103	120	116	108	105	104
	375UP	73/27	5500	51	120	109	106	105	122	118	111	108	107
	500UP	67/33	6000	54	121	111	108	107	122	119	112	109	108
	625UP	62/38	6500	58	122	112	109	109	123	120	114	111	110
	750UP	57/43	7000	63	121	112	109	109	122	119	114	111	110
	875UP	53/47	7500	67	121	113	110	110	123	120	114	112	111
	1000UP	50/50	8000	71	121	113	111	111	123	120	115	113	113
1250UP	44/56	9000	80	121	114	112	112	123	121	117	114	114	

*Based on 3500K, 4' lengths. Lumen Multipliers: Delivered Lumens may vary +/- 5%. Actual wattage may vary +/- 5%.

Direct Distribution	Indirect Distribution	Distribution % (Direct/Indirect)	Total Delivered Lumens	Tested System Watts	Lumens Per Watt (LPW)								
													
					DCAS	DCBW	DCFL	DCPD05	DCPD15	PUAS	PUBW	PUFL	PUPD05
125DN	250UP	33/67	1500	14	112	110	109	106	106	103	101	100	97
	375UP	25/75	2000	18	116	115	114	111	112	109	107	106	104
	500UP	20/80	2500	21	121	120	119	117	117	112	111	110	108
	625UP	17/83	3000	25	123	122	121	120	120	111	110	109	108
	750UP	14/86	3500	29	122	121	120	119	119	112	111	110	109
	875UP	13/87	4000	33	123	122	121	120	120	112	111	111	110
	1000UP	11/89	4500	38	124	123	122	121	121	113	112	112	111
	1250UP	9/91	5500	47	125	124	124	123	123	—	—	—	—
250DN	250UP	50/50	2000	18	118	115	112	108	110	110	108	105	101
	375UP	40/60	2500	22	120	118	116	112	113	114	112	110	106
	500UP	33/67	3000	25	124	122	120	116	118	116	114	112	109
	625UP	29/71	3500	29	125	124	122	119	120	115	113	111	109
	750UP	25/75	4000	33	124	122	121	118	119	115	113	112	110
	875UP	22/78	4500	37	124	123	122	120	120	115	114	112	110
	1000UP	20/80	5000	42	125	124	123	121	121	115	114	113	111
	1250UP	17/83	6000	51	126	125	124	122	123	—	—	—	—
375DN	250UP	60/40	2500	22	122	119	112	109	109	115	112	106	103
	375UP	50/50	3000	26	123	121	115	112	112	118	115	110	107
	500UP	43/57	3500	29	126	124	118	116	116	119	117	112	110
	625UP	38/62	4000	33	127	125	120	119	118	117	115	111	110
	750UP	33/67	4500	37	126	124	120	118	118	117	115	112	110
	875UP	30/70	5000	41	126	124	121	119	119	117	115	112	111
	1000UP	27/73	5500	46	126	125	122	120	120	117	116	113	112
	1250UP	23/77	6500	55	127	126	123	122	122	—	—	—	—
500DN	250UP	67/33	3000	27	123	120	112	109	109	118	115	107	104
	375UP	57/43	3500	30	124	121	115	112	112	120	117	110	108
	500UP	50/50	4000	34	127	124	118	115	115	121	118	112	110
	625UP	44/56	4500	37	128	125	120	117	117	119	117	112	110
	750UP	40/60	5000	42	126	124	119	117	117	118	116	112	110
	875UP	36/64	5500	46	126	124	120	118	118	118	116	112	111
	1000UP	33/67	6000	50	127	125	121	119	119	118	117	113	111
	1250UP	29/71	7000	59	127	126	122	121	121	—	—	—	—
625DN	250UP	71/29	3500	32	122	118	110	107	107	117	114	106	103
	375UP	63/37	4000	36	123	119	112	109	109	119	116	109	106
	500UP	56/44	4500	39	125	122	115	113	112	120	117	111	108
	625UP	50/50	5000	42	126	123	117	115	114	118	116	110	108
	750UP	45/55	5500	47	125	122	117	115	114	118	116	111	109
	875UP	42/58	6000	51	125	123	118	116	116	118	116	111	109
	1000UP	38/62	6500	55	125	123	119	117	117	118	116	112	110
	1250UP	33/67	7500	64	126	124	120	119	118	—	—	—	—
750DN	250UP	75/25	4000	37	123	119	111	106	105	119	115	108	102
	375UP	67/33	4500	40	124	120	113	108	108	120	117	110	105
	500UP	60/40	5000	43	125	122	116	111	111	121	118	111	107
	625UP	55/45	5500	47	126	123	117	113	113	119	117	111	107
	750UP	50/50	6000	52	125	122	117	113	113	119	116	111	108
	875UP	46/54	6500	56	125	123	118	114	114	119	116	112	108
	1000UP	43/57	7000	60	126	123	119	115	115	119	117	112	109
	1250UP	38/62	8000	69	126	124	120	117	117	—	—	—	—
875DN	250UP	78/22	4500	42	121	117	108	105	104	117	113	105	102
	375UP	70/30	5000	46	121	118	110	107	106	118	115	107	104
	500UP	64/36	5500	49	123	120	112	110	109	119	116	109	106
	625UP	58/42	6000	53	124	121	114	111	111	118	115	109	106
	750UP	54/46	6500	57	123	120	114	112	111	118	115	109	107
	875UP	50/50	7000	61	124	121	115	113	113	118	115	109	107
	1000UP	47/53	7500	66	124	122	116	114	114	118	115	110	108
	1250UP	41/59	8500	75	125	123	118	116	116	—	—	—	—
1000DN	250UP	80/20	5000	48	120	116	109	105	104	117	113	106	102
	375UP	73/27	5500	51	121	117	110	107	106	118	114	108	104
	500UP	67/33	6000	54	122	119	112	109	109	119	115	109	106
	625UP	62/38	6500	58	123	120	114	111	111	118	115	109	106
	750UP	57/43	7000	63	123	120	114	111	111	118	115	109	107
	875UP	53/47	7500	67	123	120	115	112	112	118	115	110	107
	1000UP	50/50	8000	71	124	121	116	113	113	118	115	110	108
	1250UP	44/56	9000	80	124	122	117	115	115	—	—	—	—

*Based on 3500K, 4' lengths. Lumen Multipliers: Delivered Lumens may vary +/- 5%. Actual wattage may vary +/- 5%.

Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally reconfigured through the application software. Daylight harvesting, occupancy sensing, integration with HVAC systems, and individual controls enable the monitoring and modulating of light levels and temperature in order to save energy, reduce costs and maximize occupants' comfort. All Connected Solutions luminaires require a compatible building control system.†

Connected Solution	Ordering Code	Model #**	Protocol	Compatible Networks*	Occupancy & Daylight	Temperature Reporting	Communication to Luminaire	Drivers
 WATTSTOPPER® 	DLM1	LMFC-011	DLM	DLM	Enabled	No	Wired 	Advance by Signify , Optotronic by eldoLED
	LMFS1 LMFSD	LMFS-601 & LMFI-111 LMFS-601	DLM Wireless	DLM	Enabled	No	Wireless	Advance by Signify Optotronic by eldoLED (Dexal)
 COOPER Lighting Solutions 	WLXP	OEM-WAA	WaveLinX Wireless	WaveLinX Pro Trellix	Enabled	No	Wireless (WaveLinX Pro Wireless Area Controller)	Advance by Signify
 CRESTRON 	D11	Specified Driver	DALI	Crestron Züm Wireless & SpaceBuilder	Enabled	No	Wired	eldoLED ECOdrive
	L11		0-10V					Advance by Signify
 ENCELIUM 	CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled	No	Wireless	Optotronic by eldoLED Advance by Signify
 enlighted A Siemens Company 	ENL1	SU-5E-IOT	Enlighted RF	Enlighted	Integrated	Yes	Wireless	Advance by Signify
 LUTRON 	LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	No	Wired	Lutron Hi-Lume
 nLIGHT  <small>Connections located under access panel</small>	NLT1	nEPS-60-IO	nLight	nLight	Enabled	No	Wired 	eldoLED ECOdrive , eldoLED SOLOdrive
	 M LIGHTING CONTROLS 	NXE1	NXFM-LV	NX	NX Distributed Intelligence	Enabled	No	Wired 

*Not all compatible networks may be listed. **For performance data and additional control system details please visit the connected solutions manufacturer websites. Primary drivers are listed in bold. †To specify a particular driver please consult factory. ‡Controls systems supplied by others.

Ordering Guide

Bidirectional Linear Circuitry, Zones & Factory Options



HOW TO USE THIS GUIDE

Fill out the worksheet on the following page to specify your requirements for circuitry, zones, and factory options.

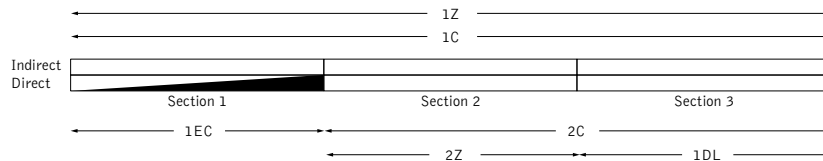
Refer to the run chart for standard run configurations, consult factory for custom configurations.

Complete the Totals / Ordering Codes at the bottom of the worksheet and add to your ordering logic on the cut sheet.

Submit the worksheet along with your order.

TOTAL RUN LENGTH: 24ft		JOB NAME:				FIXTURE TYPE:			
HOUSING SECTION	SECTION LENGTH	LIGHT DISTRIBUTION	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			
			SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	EM
1	8	Indirect	1C	1Z					
		Direct					1EC		
2	8	Indirect	1C	1Z					
		Direct	2C	2Z					
3	8	Indirect	1C	1Z					
		Direct	2C		1DL				
Totals / Ordering Codes			2C	2Z	1DL		1EC		

ORDERING: FSM4BS-FL-625UP-125DN-35K- **2C2Z1DL** -UNV-LD1-C24- **1EC** -WH-24ft



KEY	
C = Switching Circuit Switched Hot / Shared Neutral	DC = Daylight Circuit Switched Hot / Separate Neutral
Z = Dimming Zone Dimming Control Wires	EC = Emergency Circuit Switched Hot / Separate Neutral
DL = Daylight Zone Daylight Dimming Control Wires	ECD = Emergency Control Device Unswitched Hot / Separate Neutral
	EM = Emergency Battery Unswitched Hot / Shared Neutral

DEFAULTS

- Zones and Factory Options illuminate entire sections from 4' to 8' in length.
- EC, EM, and ECD only available for direct distribution.
- One shared or isolated circuit and zone required per housing section.
- Additional electrical feed required for applications greater than three shared circuits and zones.
- Limit of one EM or ECD per housing section.
- Each EC, DC and ECD require an additional electrical feed.
- ECD not available in the same housing section as EC.
- Longer lead times and additional pricing may apply for custom run configurations.

CUSTOM LENGTHS

- If partial illumination of emergency or daylight section is required, indicate in ordering guide and add "partial illumination" in Order Notes. Drawing required.
- Engineering validation required, longer lead times may apply.

Ordering Guide Worksheet

Linear Circuitry, Zones & Factory Options



TOTAL RUN LENGTH: _____		JOB NAME: _____			FIXTURE TYPE: _____				
HOUSING SECTION	SECTION LENGTH	LIGHT DISTRIBUTION	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			
			SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	SEPARATE ELECTRICAL FEEDS			EM
						DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	
1		Indirect							
		Direct							
2		Indirect							
		Direct							
3		Indirect							
		Direct							
4		Indirect							
		Direct							
5		Indirect							
		Direct							
6		Indirect							
		Direct							
7		Indirect							
		Direct							
8		Indirect							
		Direct							
9		Indirect							
		Direct							
10		Indirect							
		Direct							
11		Indirect							
		Direct							
12		Indirect							
		Direct							
Totals / Ordering Codes			_C	_Z	_DL	_DC	_EC	_ECD	_EM

WORKSHEET

Combine to create Circuits & Zones ordering code

Enter as individual Factory Options

RUN CHART

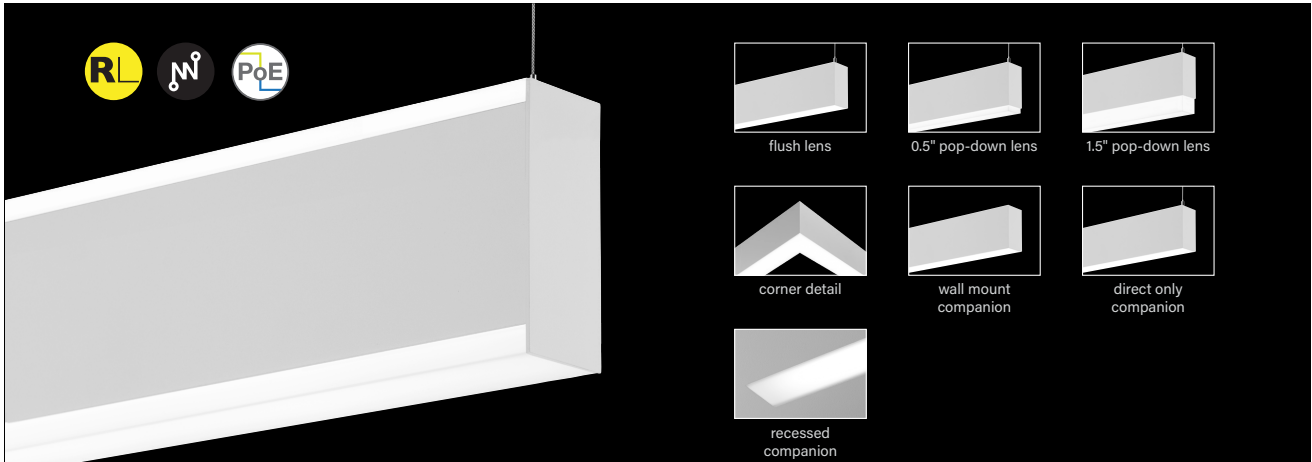
Run length (ft)	Housing Configuration Section Lengths	Run length (ft)	Housing Configuration Section Lengths	Run length (ft)	Housing Configuration Section Lengths	Run length (ft)	Housing Configuration Section Lengths
9	5 + 4	21	8 + 8 + 5	33	8 + 8 + 8 + 5 + 4	45	8 + 8 + 8 + 8 + 8 + 5
10	6 + 4	22	8 + 8 + 6	34	8 + 8 + 8 + 6 + 4	46	8 + 8 + 8 + 8 + 8 + 6
11	7 + 4	23	8 + 8 + 7	35	8 + 8 + 8 + 7 + 4	47	8 + 8 + 8 + 8 + 8 + 7
12	8 + 4	24	8 + 8 + 8	36	8 + 8 + 8 + 8 + 4	48	8 + 8 + 8 + 8 + 8 + 8
13	8 + 5	25	8 + 8 + 5 + 4	37	8 + 8 + 8 + 8 + 5		
14	8 + 6	26	8 + 8 + 6 + 4	38	8 + 8 + 8 + 8 + 6		
15	8 + 7	27	8 + 8 + 7 + 4	39	8 + 8 + 8 + 8 + 7		
16	8 + 8	28	8 + 8 + 8 + 4	40	8 + 8 + 8 + 8 + 8		
17	8 + 5 + 4	29	8 + 8 + 8 + 5	41	8 + 8 + 8 + 8 + 5 + 4		
18	8 + 6 + 4	30	8 + 8 + 8 + 6	42	8 + 8 + 8 + 8 + 6 + 4		
19	8 + 7 + 4	31	8 + 8 + 8 + 7	43	8 + 8 + 8 + 8 + 7 + 4		
20	8 + 8 + 4	32	8 + 8 + 8 + 8	44	8 + 8 + 8 + 8 + 8 + 4		

Standard run configurations, consult factory for custom configurations.

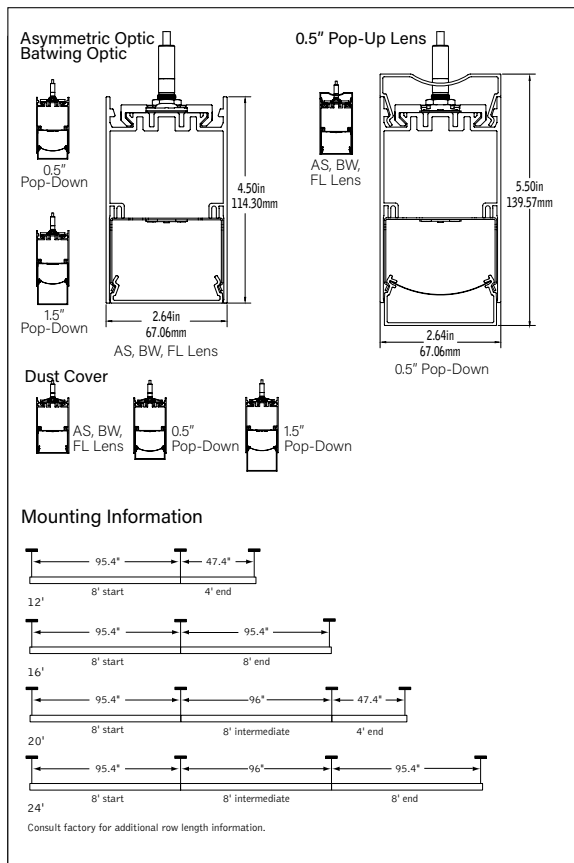
Seem® 2

LED DIRECT/INDIRECT

L10B



DIMENSIONAL DATA

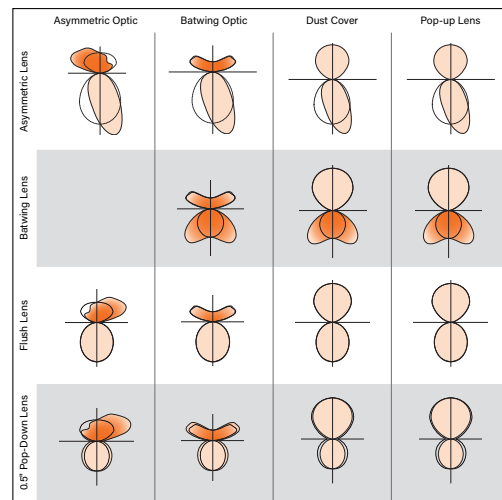


FEATURES

- Narrow extruded aluminum 2.5" linear direct/indirect LED with indirect Asymmetric Optic, Batwing Optic, and Pop-lens options.
- Frosted acrylic lenses provide uninterrupted illumination, without pixels or shadows.
- Individual units and continuous runs in 1' increments.
- Connected Solutions: Integrates with wired and wireless building lighting control systems.
- PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

DISTRIBUTIONS



A brand of **legrand**

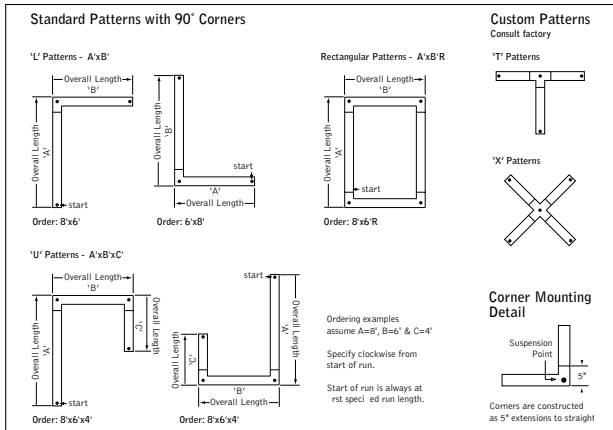
Focal Point LLC | 4141 S. Pulaski Rd, Chicago, IL 60632 | 773.2479494 | focalpointlights.com

December 2022 Q

fixture:

project:

MOUNTING INFORMATION



SPECIFICATIONS

LED System

Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 2700K, 3000K, 3500K or 4000K with CRI>80 or CRI>90. 3500K and 4000K with CRI>90 have a cyanosis observation index (COI) of 3.3 or less. LED modules and drivers are replaceable from below. Color accuracy <3 SDCM.

Construction

One piece extruded aluminum housing. Cast aluminum end caps. 8' unit weight: 30 lbs.

Optic

Reflectors fabricated of 20 Ga. steel finished in Matte White powder coat. Extruded acrylic lens with frosted finish, up to 8' continuous.

Electrical

Luminaires are pre-wired with factory installed branch circuit wiring and over-molded quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming. Power factor > .9. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires. PoE runs require an independent PoE node and power feed for each luminaire section.

Emergency

Emergency Battery output - 10 watts for 90 minutes. Maximum mounting height: 20 ft. Emergency Circuit with Connected Solutions (DLM1, LMFS1, LMFS2, NLT1, ENL1, CLM1, NXE1, WLXP) shipped standard with leads to connect UL924 compliant device, by others.

Labels

UL and cUL listed. Suitable for Dry or Damp Locations, indoor use only.

Finish

Polyester powder coat applied over a multi-stage pre-treatment.

Lumen Maintenance

Reported: L70 at >61,000 hours Calculated: L70 at 257,000 hours
L90 at >61,000 hours L90 at 69,000 hours

Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

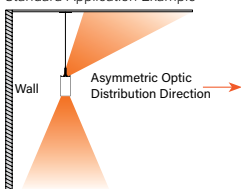
LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

4' PERFORMANCE CHARTS

See page 3 & 4.

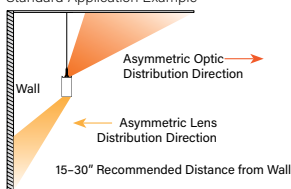
INDIRECT ASYMMETRIC

Standard Application Example



DIRECT/INDIRECT ASYMMETRIC

Standard Application Example



Focal Point LLC reserves the right to change specifications for product improvement without notification.

ORDERING

Luminaire Series
Seem 2 LED Direct / Indirect

FSM2BS

Asymmetric Optic top
Asymmetric Optic top
Batwing Optic top
Batwing Optic top
Dust Cover top
Dust Cover top
0.5" Pop-up Lens top

Shielding
Asymmetric Lens bottom
Flush Lens bottom
0.5" Pop-down Lens bottom
1.5" Pop-down Lens bottom (Individual Units Only)
Asymmetric Lens bottom
Batwing Lens bottom
Flush Lens bottom
0.5" Pop-down Lens bottom
1.5" Pop-down Lens bottom (Individual Units Only)
Asymmetric Lens bottom
Batwing Lens bottom
Flush Lens bottom
0.5" Pop-down Lens bottom
1.5" Pop-down Lens bottom (Individual Units Only)
Asymmetric Lens bottom
Batwing Lens bottom
Flush Lens bottom
0.5" Pop-down Lens bottom
1.5" Pop-down Lens bottom (Individual Units Only)

Direct Distribution
125 Lumens per foot (LDI & LII Only)
250 Lumens per foot
375 Lumens per foot
500 Lumens per foot
625 Lumens per foot
750 Lumens per foot
875 Lumens per foot
1000 Lumens per foot

Indirect Distribution
125LUP
250LUP
375LUP
500LUP
625LUP
750LUP
875LUP
1000LUP
1250LUP

Color Temperature
2700K, 80+ CRI or 90+ CRI
3000K, 80+ CRI or 90+ CRI
3500K, 80+ CRI or 90+ CRI
4000K, 80+ CRI or 90+ CRI

Circuits & Zones
1 Circuit, non-emergency IC
2 non-emergency circuits provide independent control of Direct and Indirect sources 2C
(Not available with DLM1, NLT1, CLM1, NXE1)
Consult Ordering Guide on page 6 for multiple circuiting and zoning options

Voltage
120/277 UNV Volt UNV
0-10V (LDI & LII only) 0-10V

Control System & Dimming Level
0-10V ~ 10% Dimming LD1
0-10V ~ 10% Dimming LII

Low Voltage, PoE compatible LVN
(No driver. Not available with EM or EC. LV Voltage only.)

Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming LHI
DALI 1% Dimming (750, 875, 1000 DN or UP; 1250UP consult factory) DHI

Wattstopper DLM - 1% Dimming DLM1
Wattstopper Fixture Sensor Low Density - 1% Dimming LMFS1
Wattstopper Fixture Sensor High Density - 1% Dimming LMFS2

Acuity nLight - 1% Dimming NLT1
(750, 875, 1000 DN or UP; 1250UP consult factory)

Enlighted Smart Sensor - 1% Dimming ENL1
Encelium CLM Connected Lighting Module - 1% Dimming CLM1

Current NX Enabled - 1% Dimming NXE1
WaveLinx Pro - 1% Dimming WLXP

Mounting
24" Cable Suspension C24
48" Cable Suspension C48
96" Cable Suspension C96

Factory Options
(Specify canopy color White (WH), Black (BK) or Titanium Silver (TS). Example: C24WH) (Specify one of the following in place of "C") - for 2' canopies at non-feed locations. CS - for sloped ceiling applications.)

Black Cord BKCD
Daylight Circuit DC
Emergency Circuit EC
Emergency Battery Pack EM
Emergency Control Device ECD

Finish
Black BK
Titanium Silver TS
Matte White Housing WH










Luminaire Length
Specify luminaire/row length in 1' increments (4' minimum. Leave blank for patterns. Smaller increments available, consult factory.) X' 6'-0"

Pattern Options (4' minimum length)
L' pattern A' x B'
U' pattern A' x B' x C'








Rectangular pattern (Consult factory for other pattern options.)
(Not available with Pop-Up or Pop-Down Lens options.)
(Not available with Pop-Down Lens options.) A' x B' R

QS 10 DAY Options in orange qualify for the Quickship program. 1000' total. Refer to Quickship Guide for complete details including EM/EC options.

4' PERFORMANCE CHART


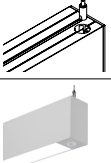




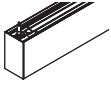





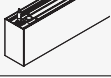

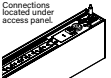


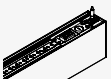

Direct Distribution	Indirect Distribution	Distribution % (Direct/Indirect)	Total Delivered Lumens	Tested System Watts	Lumens Per Watt (LPW)								
					 ASAS	 ASFL	 ASPD05	 ASPD15	 BWAS	 BWBW	 BWFL	 BWPD05	 BWPD15
125DN	250UP	33/67	1500	14	106	103	100	101	111	109	108	105	105
	375UP	25/75	2000	18	112	110	108	108	118	117	116	113	114
	500UP	20/80	2500	21	117	115	113	113	120	119	118	116	116
	625UP	17/83	3000	25	119	117	115	116	122	121	120	119	119
	750UP	14/86	3500	29	117	116	114	115	121	120	119	118	118
	875UP	13/87	4000	33	118	117	115	116	122	121	120	119	119
	1000UP	11/89	4500	38	119	118	117	117	122	122	121	120	120
1250UP	9/91	5500	47	120	119	118	118	123	123	122	121	122	
250DN	250UP	50/50	2000	18	113	108	104	105	117	114	111	107	109
	375UP	40/60	2500	22	117	113	109	111	122	120	118	114	115
	500UP	33/67	3000	25	120	116	113	114	123	121	119	116	117
	625UP	29/71	3500	29	122	118	115	117	125	123	121	118	119
	750UP	25/75	4000	33	120	117	114	115	123	122	120	117	118
	875UP	22/78	4500	37	120	118	115	116	124	122	121	119	119
	1000UP	20/80	5000	42	121	118	116	117	124	123	122	120	121
1250UP	17/83	6000	51	121	119	117	118	125	124	123	121	122	
375DN	250UP	60/40	2500	22	118	108	106	105	121	118	111	109	108
	375UP	50/50	3000	26	121	112	110	110	125	122	116	114	114
	500UP	43/57	3500	29	123	115	113	113	125	123	118	116	115
	625UP	38/62	4000	33	124	117	115	115	126	124	120	118	118
	750UP	33/67	4500	37	122	116	115	114	125	123	119	117	117
	875UP	30/70	5000	41	122	117	115	115	125	123	120	118	118
	1000UP	27/73	5500	46	122	118	116	116	125	124	121	119	119
1250UP	23/77	6500	55	122	118	117	117	126	124	122	121	120	
500DN	250UP	67/33	3000	27	120	109	106	106	123	119	112	109	108
	375UP	57/43	3500	30	122	113	110	110	126	123	116	113	113
	500UP	50/50	4000	34	124	115	113	113	126	123	117	115	115
	625UP	44/56	4500	37	125	117	115	114	127	124	119	117	117
	750UP	40/60	5000	42	123	116	114	114	125	123	118	116	116
	875UP	36/64	5500	46	123	117	115	115	126	124	119	117	117
	1000UP	33/67	6000	50	123	117	116	116	126	124	120	118	118
1250UP	29/71	7000	59	123	118	117	117	126	124	121	120	120	
625DN	250UP	71/29	3500	32	119	108	104	104	121	117	110	106	106
	375UP	63/37	4000	36	121	111	108	107	124	121	113	111	110
	500UP	56/44	4500	39	123	113	110	110	124	121	115	112	112
	625UP	50/50	5000	42	123	115	112	112	125	122	116	114	114
	750UP	45/55	5500	47	122	114	112	112	124	122	116	114	114
	875UP	42/58	6000	51	122	115	113	113	124	122	117	115	115
	1000UP	38/62	6500	55	122	116	114	114	125	123	118	116	116
1250UP	33/67	7500	64	122	117	115	115	125	123	119	118	118	
750DN	250UP	75/25	4000	37	121	109	104	103	122	118	111	105	105
	375UP	67/33	4500	40	122	112	107	106	125	121	114	109	109
	500UP	60/40	5000	43	123	114	109	109	125	122	115	111	110
	625UP	55/45	5500	47	124	115	111	110	126	123	117	112	112
	750UP	50/50	6000	52	123	115	111	110	125	122	116	113	112
	875UP	46/54	6500	56	123	115	112	111	125	122	117	114	113
	1000UP	43/57	7000	60	123	116	112	112	125	123	118	115	115
1250UP	38/62	8000	69	123	117	114	114	125	123	119	116	116	
875DN	250UP	78/22	4500	42	119	106	103	102	120	116	108	104	104
	375UP	70/30	5000	46	120	109	106	105	122	119	111	108	107
	500UP	64/36	5500	49	121	111	108	107	123	119	112	109	109
	625UP	58/42	6000	53	122	112	109	109	124	121	114	111	111
	750UP	54/46	6500	57	121	112	109	109	123	120	114	111	111
	875UP	50/50	7000	61	121	113	110	110	123	120	115	112	112
	1000UP	47/53	7500	66	121	113	111	111	124	121	116	113	113
1250UP	41/59	8500	75	122	115	113	112	124	122	117	115	115	
1000DN	250UP	80/20	5000	48	118	107	103	103	120	116	108	105	104
	375UP	73/27	5500	51	120	109	106	105	122	118	111	108	107
	500UP	67/33	6000	54	121	111	108	107	122	119	112	109	108
	625UP	62/38	6500	58	122	112	109	109	123	120	114	111	110
	750UP	57/43	7000	63	121	112	109	109	122	119	114	111	110
	875UP	53/47	7500	67	121	113	110	110	123	120	114	112	111
	1000UP	50/50	8000	71	121	113	111	111	123	120	115	113	113
1250UP	44/56	9000	80	121	114	112	112	123	121	117	114	114	

*Based on 3500K, 4' lengths. Lumen Multipliers: Delivered Lumens may vary +/- 5%. Actual wattage may vary +/- 5%.

Direct Distribution	Indirect Distribution	Distribution % (Direct/Indirect)	Total Delivered Lumens	Tested System Watts	Lumens Per Watt (LPW)								
					 DCAS	 DCBW	 DCFL	 DCPD05	 DCPD15	 PUAS	 PUBW	 PUFL	 PUPD05
125DN	250UP	33/67	1500	14	112	110	109	106	106	103	101	100	97
	375UP	25/75	2000	18	116	115	114	111	112	109	107	106	104
	500UP	20/80	2500	21	121	120	119	117	117	112	111	110	108
	625UP	17/83	3000	25	123	122	121	120	120	111	110	109	108
	750UP	14/86	3500	29	122	121	120	119	119	112	111	110	109
	875UP	13/87	4000	33	123	122	121	120	120	112	111	111	110
	1000UP	11/89	4500	38	124	123	122	121	121	113	112	112	111
	1250UP	9/91	5500	47	125	124	124	123	123	—	—	—	—
250DN	250UP	50/50	2000	18	118	115	112	108	110	110	108	105	101
	375UP	40/60	2500	22	120	118	116	112	113	114	112	110	106
	500UP	33/67	3000	25	124	122	120	116	118	116	114	112	109
	625UP	29/71	3500	29	125	124	122	119	120	115	113	111	109
	750UP	25/75	4000	33	124	122	121	118	119	115	113	112	110
	875UP	22/78	4500	37	124	123	122	120	120	115	114	112	110
	1000UP	20/80	5000	42	125	124	123	121	121	115	114	113	111
	1250UP	17/83	6000	51	126	125	124	122	123	—	—	—	—
375DN	250UP	60/40	2500	22	122	119	112	109	109	115	112	106	103
	375UP	50/50	3000	26	123	121	115	112	112	118	115	110	107
	500UP	43/57	3500	29	126	124	118	116	116	119	117	112	110
	625UP	38/62	4000	33	127	125	120	119	118	117	115	111	110
	750UP	33/67	4500	37	126	124	120	118	118	117	115	112	110
	875UP	30/70	5000	41	126	124	121	119	119	117	115	112	111
	1000UP	27/73	5500	46	126	125	122	120	120	117	116	113	112
	1250UP	23/77	6500	55	127	126	123	122	122	—	—	—	—
500DN	250UP	67/33	3000	27	123	120	112	109	109	118	115	107	104
	375UP	57/43	3500	30	124	121	115	112	112	120	117	110	108
	500UP	50/50	4000	34	127	124	118	115	115	121	118	112	110
	625UP	44/56	4500	37	128	125	120	117	117	119	117	112	110
	750UP	40/60	5000	42	126	124	119	117	117	118	116	112	110
	875UP	36/64	5500	46	126	124	120	118	118	118	116	112	111
	1000UP	33/67	6000	50	127	125	121	119	119	118	117	113	111
	1250UP	29/71	7000	59	127	126	122	121	121	—	—	—	—
625DN	250UP	71/29	3500	32	122	118	110	107	107	117	114	106	103
	375UP	63/37	4000	36	123	119	112	109	109	119	116	109	106
	500UP	56/44	4500	39	125	122	115	113	112	120	117	111	108
	625UP	50/50	5000	42	126	123	117	115	114	118	116	110	108
	750UP	45/55	5500	47	125	122	117	115	114	118	116	111	109
	875UP	42/58	6000	51	125	123	118	116	116	118	116	111	109
	1000UP	38/62	6500	55	125	123	119	117	117	118	116	112	110
	1250UP	33/67	7500	64	126	124	120	119	118	—	—	—	—
750DN	250UP	75/25	4000	37	123	119	111	106	105	119	115	108	102
	375UP	67/33	4500	40	124	120	113	108	108	120	117	110	105
	500UP	60/40	5000	43	125	122	116	111	111	121	118	111	107
	625UP	55/45	5500	47	126	123	117	113	113	119	117	111	107
	750UP	50/50	6000	52	125	122	117	113	113	119	116	111	108
	875UP	46/54	6500	56	125	123	118	114	114	119	116	112	108
	1000UP	43/57	7000	60	126	123	119	115	115	119	117	112	109
	1250UP	38/62	8000	69	126	124	120	117	117	—	—	—	—
875DN	250UP	78/22	4500	42	121	117	108	105	104	117	113	105	102
	375UP	70/30	5000	46	121	118	110	107	106	118	115	107	104
	500UP	64/36	5500	49	123	120	112	110	109	119	116	109	106
	625UP	58/42	6000	53	124	121	114	111	111	118	115	109	106
	750UP	54/46	6500	57	123	120	114	112	111	118	115	109	107
	875UP	50/50	7000	61	124	121	115	113	113	118	115	109	107
	1000UP	47/53	7500	66	124	122	116	114	114	118	115	110	108
	1250UP	41/59	8500	75	125	123	118	116	116	—	—	—	—
1000DN	250UP	80/20	5000	48	120	116	109	105	104	117	113	106	102
	375UP	73/27	5500	51	121	117	110	107	106	118	114	108	104
	500UP	67/33	6000	54	122	119	112	109	109	119	115	109	106
	625UP	62/38	6500	58	123	120	114	111	111	118	115	109	106
	750UP	57/43	7000	63	123	120	114	111	111	118	115	109	107
	875UP	53/47	7500	67	123	120	115	112	112	118	115	110	107
	1000UP	50/50	8000	71	124	121	116	113	113	118	115	110	108
	1250UP	44/56	9000	80	124	122	117	115	115	—	—	—	—

*Based on 3500K, 4' lengths. Lumen Multipliers: Delivered Lumens may vary +/- 5%. Actual wattage may vary +/- 5%.

Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally reconfigured through the application software. Daylight harvesting, occupancy sensing, integration with HVAC systems, and individual controls enable the monitoring and modulating of light levels and temperature in order to save energy, reduce costs and maximize occupants' comfort. All Connected Solutions luminaires require a compatible building control system.†

Connected Solution	Ordering Code	Model #**	Protocol	Compatible Networks*	Occupancy & Daylight	Temperature Reporting	Communication to Luminaire	Drivers
  WATTSTOPPER®	DLM1	LMFC-011	DLM	DLM	Enabled	No	Wired 	Advance by Signify , Optotronic by eldoLED
	LMFS1	LMFS-601 & LMFI-111	DLM Wireless	DLM	Enabled	No	Wireless	Advance by Signify Optotronic by eldoLED (Dexal)
 	WLXP	OEM-WAA	WaveLinx Wireless	WaveLinx Pro Trellix	Enabled	No	Wireless (WaveLinx Pro Wireless Area Controller)	Advance by Signify
 	D11	Specified Driver	DALI	Crestron Züm Wireless & SpaceBuilder	Enabled	No	Wired	eldoLED ECOdrive
	L11		0-10V					Advance by Signify
 	CLM1	ZBHA-CLM-DIM-ENC	ZigBee	Encelium X Light Management System	Enabled	No	Wireless	Optotronic by eldoLED Advance by Signify
 	ENL1	SU-5E-IOT	Enlighted RF	Enlighted	Integrated	Yes	Wireless	Advance by Signify
 	LH1	LDE1	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	No	Wired	Lutron Hi-Lume
  <small>Connections located under access panel</small>	NLT1	nEPS-60-IO	nLight	nLight	Enabled	No	Wired 	eldoLED ECOdrive , eldoLED SOLOdrive
	 	NXE1	NXFM-LV	NX	NX Distributed Intelligence	Enabled	No	Wired 

*Not all compatible networks may be listed. **For performance data and additional control system details please visit the connected solutions manufacturer websites. Primary drivers are listed in bold. †To specify a particular driver please consult factory. ‡Controls systems supplied by others.

Ordering Guide

Bidirectional Linear Circuitry, Zones & Factory Options



HOW TO USE THIS GUIDE

Fill out the worksheet on the following page to specify your requirements for circuitry, zones, and factory options.

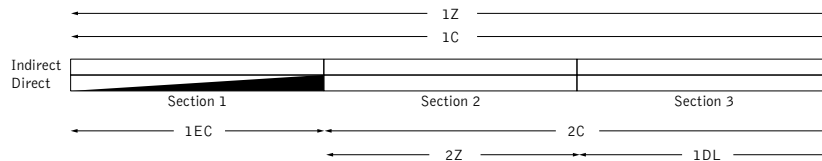
Refer to the run chart for standard run configurations, consult factory for custom configurations.

Complete the Totals / Ordering Codes at the bottom of the worksheet and add to your ordering logic on the cut sheet.

Submit the worksheet along with your order.

TOTAL RUN LENGTH: 24ft		JOB NAME:				FIXTURE TYPE:			
HOUSING SECTION	SECTION LENGTH	LIGHT DISTRIBUTION	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			
			SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	EM
1	8	Indirect	1C	1Z					
		Direct					1EC		
2	8	Indirect	1C	1Z					
		Direct	2C	2Z					
3	8	Indirect	1C	1Z					
		Direct	2C		1DL				
Totals / Ordering Codes			2C	2Z	1DL		1EC		

ORDERING: FSM4BS-FL-625UP-125DN-35K- **2C2Z1DL** -UNV-LD1-C24- **1EC** -WH-24ft



KEY	
C = Switching Circuit Switched Hot / Shared Neutral	DC = Daylight Circuit Switched Hot / Separate Neutral
Z = Dimming Zone Dimming Control Wires	EC = Emergency Circuit Switched Hot / Separate Neutral
DL = Daylight Zone Daylight Dimming Control Wires	ECD = Emergency Control Device Unswitched Hot / Separate Neutral
	EM = Emergency Battery Unswitched Hot / Shared Neutral

DEFAULTS

- Zones and Factory Options illuminate entire sections from 4' to 8' in length.
- EC, EM, and ECD only available for direct distribution.
- One shared or isolated circuit and zone required per housing section.
- Additional electrical feed required for applications greater than three shared circuits and zones.
- Limit of one EM or ECD per housing section.
- Each EC, DC and ECD require an additional electrical feed.
- ECD not available in the same housing section as EC.
- Longer lead times and additional pricing may apply for custom run configurations.

CUSTOM LENGTHS

- If partial illumination of emergency or daylight section is required, indicate in ordering guide and add "partial illumination" in Order Notes. Drawing required.
- Engineering validation required, longer lead times may apply.

Ordering Guide Worksheet

Linear Circuitry, Zones & Factory Options



TOTAL RUN LENGTH: _____		JOB NAME: _____			FIXTURE TYPE: _____				
HOUSING SECTION	SECTION LENGTH	LIGHT DISTRIBUTION	SHARED ELECTRICAL FEED, NORMAL POWER			FACTORY OPTIONS			
			SWITCHING CIRCUIT	DIMMING ZONE	DAYLIGHT ZONE	SEPARATE ELECTRICAL FEEDS			EM
						DAYLIGHT CIRCUIT	EMERGENCY CIRCUIT	ECD	
1		Indirect							
		Direct							
2		Indirect							
		Direct							
3		Indirect							
		Direct							
4		Indirect							
		Direct							
5		Indirect							
		Direct							
6		Indirect							
		Direct							
7		Indirect							
		Direct							
8		Indirect							
		Direct							
9		Indirect							
		Direct							
10		Indirect							
		Direct							
11		Indirect							
		Direct							
12		Indirect							
		Direct							
Totals / Ordering Codes			_C	_Z	_DL	_DC	_EC	_ECD	_EM

WORKSHEET

Combine to create Circuits & Zones ordering code

Enter as individual Factory Options

RUN CHART

Run length (ft)	Housing Configuration Section Lengths	Run length (ft)	Housing Configuration Section Lengths	Run length (ft)	Housing Configuration Section Lengths	Run length (ft)	Housing Configuration Section Lengths
9	5 + 4	21	8 + 8 + 5	33	8 + 8 + 8 + 5 + 4	45	8 + 8 + 8 + 8 + 8 + 5
10	6 + 4	22	8 + 8 + 6	34	8 + 8 + 8 + 6 + 4	46	8 + 8 + 8 + 8 + 8 + 6
11	7 + 4	23	8 + 8 + 7	35	8 + 8 + 8 + 7 + 4	47	8 + 8 + 8 + 8 + 8 + 7
12	8 + 4	24	8 + 8 + 8	36	8 + 8 + 8 + 8 + 4	48	8 + 8 + 8 + 8 + 8 + 8
13	8 + 5	25	8 + 8 + 5 + 4	37	8 + 8 + 8 + 8 + 5		
14	8 + 6	26	8 + 8 + 6 + 4	38	8 + 8 + 8 + 8 + 6		
15	8 + 7	27	8 + 8 + 7 + 4	39	8 + 8 + 8 + 8 + 7		
16	8 + 8	28	8 + 8 + 8 + 4	40	8 + 8 + 8 + 8 + 8		
17	8 + 5 + 4	29	8 + 8 + 8 + 5	41	8 + 8 + 8 + 8 + 5 + 4		
18	8 + 6 + 4	30	8 + 8 + 8 + 6	42	8 + 8 + 8 + 8 + 6 + 4		
19	8 + 7 + 4	31	8 + 8 + 8 + 7	43	8 + 8 + 8 + 8 + 7 + 4		
20	8 + 8 + 4	32	8 + 8 + 8 + 8	44	8 + 8 + 8 + 8 + 8 + 4		

Standard run configurations, consult factory for custom configurations.



FEATURES & SPECIFICATIONS

INTENDED USE — A general purpose and energy-efficient surface-mounted or suspended LED fixture, suitable for wet, damp and/or cold locations. For vapor-tight demanding environments where moisture or dust is a concern and where relatively low fixture mounting heights and wide fixture spacing are common. Not for use or installation in direct outdoor sunlight. Must be installed under canopy or covered ceiling. For direct sunlight installations, please refer to the [FEX](#) product family. Typical applications include industrial facilities, parking garages, retail malls, multi-purpose rooms, garden centers, and food processing. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable use.](#)

Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

CONSTRUCTION — One-piece SVA fiberglass housing with integral perimeter channel utilizing continuous poured-in-place NEMA 4X gasket. Approved for through wiring. Captive polymeric latches are standard. Stainless steel latches (#316) available as an option for food processing or more demanding applications.

Power connection is easily accomplished through pre-drilled holes.

OPTICS — Injection molded, acrylic lens (.080" thick) provides high impact-resistance comparable to 100% DR. A UV stabilized polycarbonate diffuser is available (.080" thick) in clear or frosted for additional impact strength where vandal protection is desired.

Expected service life of 60,000 hours at 80% lumen maintenance (L80); predicted life of more than 100,000 hours.

ELECTRICAL — Utilizes high-efficiency LEDs mounted to core circuit boards. High-efficiency drivers operate 120-277 (MVOLT) and 347-480 (HVOLT) offered with 0-10 volt dimming, dims to 10%. Standard Luminaire Surge Protection Level: 6kV/3kA Surge Rated per ANSI C82.77-5-2015.

INSTALLATION — A pair of stainless steel surface mount brackets (SMB) are included (unless another mounting option is chosen) allowing for surface (ceiling) or suspension mount applications using included bail with aircraft cable or chain. Optional pair of dual pendant mount brackets (DPMB) are available for surface (ceiling) or suspension mount applications using either 3/8" threaded rod or included bail with aircraft cable or chain. Optional pair of angle mounting brackets (ANGBKT) for wall mount applications.

LISTINGS — CSA Certified to UL and C-UL Standards. Suitable for wet location. IP65, IP66, IP67 rated. NSF Splash Zone 2 and Non-Food Zone rated. NEMA 4X rated. Sensors maintain IP65 and IP66 only. See chart on page 5 for Ambient Temperatures.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

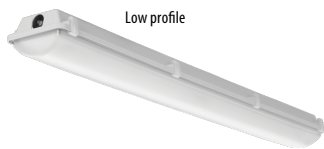
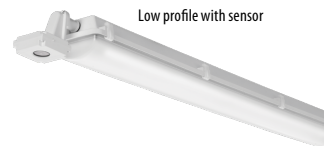
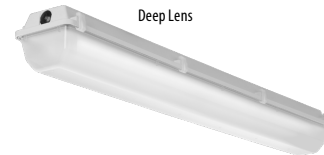
NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Catalog Number	
Notes	
Type	L11

Low-Profile Enclosed and Gasketed Industrial

FEM LED

SURFACE/ SUSPENDED/WALL MOUNT



PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

Stock configurations are offered for shorter lead times:

Standard Part Number	Stock Part Number
FEM L48 4000LM LPAFL MD MVOLT GZ10 40K 80CRI	FEM L48 4L MVOLT
FEM L48 4000LM LPAFL MD MVOLT GZ10 50K 80CRI	FEM L48 4L MVOLT 5K

A+ Capable Luminaire

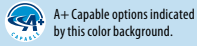
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

FEM LED Low-Profile Enclosed and Gasketed



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: FEM L48 4000LM IMAFL WD MVOLT GZ10 40K 80CRI

Series	Length	Nominal Lumens	Diffuser	Distribution	Voltage	Driver	Color temperature	CRI
FEM	L24 24" ‡	2000LM 2,000 lumens	IMAFL Acrylic, linear ribbed frosted lens	MD Medium	MVOLT 120-277V	GZ10 0-10V dimming	30K 3000K	80CRI 80 CRI
		3000LM 3,000 lumens	IMACD Acrylic, clear deep lens	WD Wide	HVOLT 347-480V ‡		35K 3500K	90CRI 90 CRI
		4000LM 4,000 lumens	IMAFD Acrylic, deep frosted lens	PGD Parking garage	120 120V		40K 4000K	
		6000LM 6,000 lumens	LPAFL Acrylic, low profile frosted lens		277 277V		50K 5000K	
			LPAFL Acrylic, low profile clear lens		347 347V			
			LPPCL Polycarbonate, low profile clear lens		480 480V			
	L48 48" ‡	3000LM 3,000 lumens	LPPFL Polycarbonate, low profile frosted lens					
		4000LM 4,000 lumens						
		6000LM 6,000 lumens						
		8000LM 8,000 lumens						
		10000LM 10,000 lumens						
		12000LM 12,000 lumens						
L96 96" ‡	9000LM 9,000 lumens							
	12000LM 12,000 lumens							
	15000LM 15,000 lumens							
	18000LM 18,000 lumens							
	20000LM 20,000 lumens							
	24000LM 24,000 lumens							

Options		
Emergency:	Cord Sets: ‡	Individual Controls: ‡
E10W MCP EM Self-diagnostics battery pack, MVOLT, 10W, Constant Power Certified in the California Title 20 Modernized Appliance Efficiency Database (MAEDBS) ‡	CPSB16YWLBH Brad Harrison Mini-Change® cordset with straight blade plug, 16 gauge, 3 conductors, 6ft, yellow ‡	SBOR10 360° Low mount sensor, (8-15' mounting heights), outdoor PIR, ON/OFF occupancy (LINK) (formerly MS10NWL)
BE6WCP Cold Weather EM battery pack, 120/277V, 6W, Constant Power Certified in the California Title 20 Modernized Appliance Efficiency Database (MAEDBS) ‡	CPSB16YWL12FTBH Brad Harrison Mini-Change® cordset with straight blade plug, 16 gauge, 3 conductors, 12ft, yellow ‡	SBOR10 HL 3V 360° Low mount sensor, (8-15' mounting heights), outdoor PIR, occupancy controlled dimming (bi-level) (LINK) (formerly MS102L3VWL)
BGTD Generator transfer device	CRSB16YWLBH Brad Harrison Mini-Change® receptacle ‡	SBOR10 P 360° Low mount sensor, (8-15' mounting heights), outdoor PIR, ON/OFF photocell (LINK) (formerly MS10NWL DSCNWL)
Other Options:	CNP16WWL Cord only (no plug), 16 gauge, 3 conductors, white, 6ft, wet location ‡	nLight Wireless: ‡
ANGBKT Angle bracket shipped with fixture ‡	CNP16WWL12FT Cord only (no plug), 16 gauge, 3 conductors, white, 6ft, wet location ‡	NLTAIR2 RSBOR10 nLight® Air Generation 2 enabled, 360° low mount sensor, (8-15' heights) (LINK)
BAA Buy America(n) Act Compliant	CNP164CWWL Cord only (no plug), 16 gauge, 4 conductors, white, 6ft, wet location (for use when unswitched circuit is required for battery pack) ‡	NLTAIR2 RIO nLight® Air Generation 2 enabled, fixture embedded network interface, 0-10V dimming output (LINK)
DPMB Dual pendant mounting bracket ‡		
SPD Surge protection device, additional 10kV/6kA		
STSL Stainless steel latches		
TRS Tamper Resistant Torx® T10 screws		
WLF Wet location fitting (two outboard, top (L24 - 20 inches off-center, L48 - 48 inches off-center, L96 - 95.7 inches off-center) ‡		
WLFEND Wet location fitting (one end) ‡		
WLFEND2 Wet location fitting (both ends) ‡		
WLFMP Wet location pendant monopoint ‡		

NOTE: ‡ indicates option chosen has ordering restrictions. Please reference ordering restrictions chart, page 3. Options are sorted alphanumerically.

Accessories: Order as separate catalog number.	
MHCH 36	3 foot (36 inches) jack chain (pair)
MHHK120	10 foot (120 inches) single leg air craft cable (ships as pair)
MHHK120SS	10 foot (120 inches) single leg air craft cable, stainless steel (ships as pair)
RK1 T10BIT W/PIN U	Hex-base driver bit, Torx TX10, for tamper resistant screws with center reject pin
FEMDPMB	Dual pendant mounting bracket (ships as a pair) ‡
FEMANGBKT	Angle bracket (ships as pair) ‡
FEMMSMB	Surface mount bracket (ships as pair) ‡

See Accessories and ordering restrictions on next page.



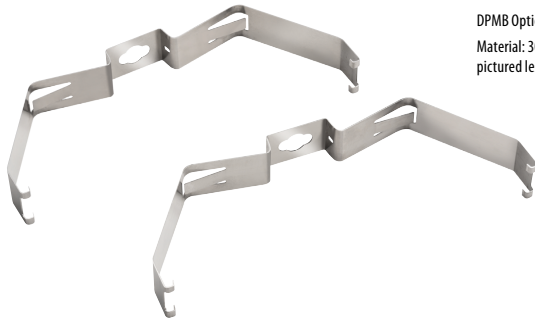
INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 800-705-SERV (7378) www.lithonia.com

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FEM LED Low-Profile Enclosed and Gasketed

‡ Option Value Ordering Restrictions	
Option value	Restriction
ANGBKT, FEMANGBKT	For wall mount applications. If mounted in an upward orientation, fixture will be damp location listed only.
BE6WCP	Utilizes Bodine BSL36 Cold-Pak emergency driver. Not available with L24 length. Order with CNP164CWWL when unswitched hot is required for battery. Not available with 347V,480V,HVOLT.
CNP16WWL, CNP16WWL12FT	Not available with BE6WCP or E10WMCP.
CNP164CWWL	Available with BE6WCP or E10WMCP only. Not NEMA4X rated.
Cord Sets	Not NEMA4X rated.
CPSB16YWL BH, CPSB16YWL12FT BH	Not available with BE6WCP or E10WMCP.
CRSB16YWL BH	Not available with BE6WCP or E10WMCP.
E10WMCP	Utilizes Power Sentry, PS1055MCP battery pack. Order with CNP164CWWL when unswitched hot is required for battery. Not available with 347V,480V,HVOLT.
DPMB, FEMDPMB	For surface (ceiling) or suspension mount applications using either 3/8" threaded rod or included bail with aircraft cable or chain.
FEMSMB	Ships standard with fixture (unless another mounting option is chosen). For surface (ceiling) or suspension mount applications using included bail with aircraft cable or chain.
HVOLT	When ordered with L24, available with 6000LM only. When ordered with L48, not available with 3000LM or 4000LM.
Individual Controls	Not NEMA4X rated. IP65 and IP66 rated.
L24	Not available with BE6WCP.
L48	Not available with WLFPMMP.
L96	Not available with WLFPMMP.
nLight® Wireless	Not NEMA4X rated. IP65 and IP66 rated.
WLF	If cord is ordered, cord will exit from the end of the fixture. Not NEMA4X rated.
WLFEND	If cord is ordered, cord will exit from the end of the fixture. Not NEMA4X rated. Available with cord or sensor option. Choose only one.
WLFEND2	Not available with sensor or cord options. Not NEMA4X rated.
WLFPMMP	Available only with L24. Not NEMA4X rated.

MOUNTING OPTIONS



DPMB Option or FEMDPMB Accessory
Material: 304 Stainless Steel
pictured less bail wire



CS88L12/CS88R options

FEM LED Low-Profile Enclosed and Gasketed

OPERATIONAL DATA (80 CRI*, MD**, MVOLT***)

Length	Package	Input Wattage	CCT	Frosted Lens'				Clear Lens' Lumens (LPW)		
				IMAFL	IMAFD	LPAFL	LPPFL	IMACD	LPACL	LPPCL
L24	2000LM	13.4	30K	1962 (147)	2083 (156)	2076 (155)	1861 (139)	2112 (158)	2105 (158)	1890 (142)
			35K	2002 (150)	2126 (159)	2118 (159)	1899 (142)	2155 (161)	2147 (161)	1929 (144)
			40K	2099 (157)	2228 (167)	2220 (166)	1991 (149)	2259 (169)	2251 (169)	2022 (151)
			50K	2122 (159)	2252 (169)	2244 (168)	2013 (151)	2284 (171)	2276 (170)	2044 (153)
	3000LM	19.9	30K	2869 (144)	3046 (153)	3035 (153)	2721 (137)	3088 (155)	3077 (155)	2764 (139)
			35K	2927 (147)	3108 (156)	3096 (156)	2777 (140)	3151 (158)	3139 (158)	2820 (142)
			40K	3069 (154)	3258 (164)	3246 (163)	2911 (146)	3303 (166)	3291 (166)	2956 (149)
			50K	3102 (156)	3293 (166)	3281 (165)	2942 (148)	3339 (168)	3327 (167)	2988 (150)
	4000LM	26.0	30K	3676 (142)	3903 (150)	3889 (150)	3487 (134)	3957 (152)	3943 (152)	3541 (136)
			35K	3751 (145)	3982 (153)	3968 (153)	3558 (137)	4037 (156)	4023 (155)	3613 (139)
			40K	3932 (152)	4174 (161)	4159 (160)	3730 (144)	4232 (163)	4217 (162)	3788 (146)
			50K	3975 (153)	4219 (163)	4204 (162)	3770 (145)	4278 (165)	4263 (164)	3829 (148)
6000LM	39.2	30K	5287 (135)	5613 (143)	5593 (143)	5015 (128)	5691 (145)	5671 (145)	5093 (130)	
		35K	5395 (138)	5727 (146)	5707 (145)	5117 (130)	5806 (148)	5786 (147)	5196 (132)	
		40K	5655 (144)	6004 (153)	5982 (153)	5364 (137)	6087 (155)	6065 (155)	5447 (139)	
		50K	5717 (146)	6069 (155)	6047 (154)	5422 (138)	6153 (157)	6131 (156)	5506 (140)	
L48	3000LM	18.0	30K	2689 (149)	2855 (158)	2844 (158)	2551 (141)	2894 (160)	2884 (160)	2590 (144)
			35K	2743 (152)	2912 (161)	2902 (161)	2602 (144)	2953 (164)	2942 (163)	2643 (146)
			40K	2876 (159)	3053 (169)	3042 (169)	2728 (151)	3095 (172)	3084 (171)	2770 (154)
			50K	2907 (161)	3086 (171)	3075 (170)	2758 (153)	3129 (173)	3118 (173)	2800 (155)
	4000LM	23.8	30K	3543 (149)	3762 (158)	3748 (157)	3361 (141)	3814 (160)	3800 (160)	3413 (143)
			35K	3615 (152)	3838 (161)	3824 (161)	3429 (144)	3891 (163)	3877 (163)	3482 (146)
			40K	3790 (159)	4023 (169)	4009 (168)	3595 (151)	4079 (171)	4064 (171)	3650 (153)
			50K	3831 (161)	4067 (171)	4052 (170)	3634 (153)	4123 (173)	4109 (173)	3690 (155)
	6000LM	37.8	30K	5284 (140)	5609 (149)	5589 (148)	5012 (133)	5687 (151)	5667 (150)	5090 (135)
			35K	5391 (143)	5723 (152)	5703 (151)	5114 (135)	5802 (154)	5782 (153)	5193 (138)
			40K	5651 (150)	6000 (159)	5978 (158)	5361 (142)	6083 (161)	6061 (161)	5444 (144)
			50K	5713 (151)	6065 (161)	6043 (160)	5419 (144)	6149 (163)	6127 (162)	5503 (146)
	8000LM	50.5	30K	6952 (138)	7380 (146)	7354 (146)	6594 (131)	7482 (148)	7456 (148)	6696 (133)
			35K	7093 (141)	7530 (149)	7503 (149)	6728 (133)	7634 (151)	7607 (151)	6832 (135)
			40K	7435 (147)	7894 (156)	7865 (156)	7053 (140)	8003 (159)	7975 (158)	7162 (142)
			50K	7516 (149)	7979 (158)	7950 (158)	7129 (141)	8090 (160)	8061 (160)	7240 (144)
	10000LM	62.0	30K	8646 (144)	9179 (148)	9146 (148)	8201 (132)	9306 (150)	9273 (150)	8328 (134)
			35K	8822 (142)	9365 (151)	9332 (151)	8368 (135)	9495 (153)	9461 (153)	8497 (137)
			40K	9248 (149)	9817 (158)	9782 (158)	8772 (142)	9953 (161)	9918 (160)	8908 (144)
			50K	9348 (151)	9924 (160)	9888 (160)	8867 (143)	10061 (162)	10026 (162)	9004 (145)
	12000LM	75.0	30K	10406 (139)	11047 (147)	11007 (147)	9871 (132)	11200 (149)	11160 (149)	10024 (134)
			35K	10617 (141)	11271 (150)	11231 (150)	10071 (134)	11427 (152)	11387 (152)	10227 (136)
			40K	11130 (148)	11816 (157)	11773 (157)	10557 (141)	11979 (160)	11937 (159)	10721 (143)
			50K	11251 (150)	11944 (159)	11901 (159)	10672 (142)	12109 (161)	12066 (161)	10837 (144)
L96	9000LM	53.4	30K	7962 (149)	8452 (158)	8422 (158)	7552 (141)	8570 (160)	8539 (160)	7669 (144)
			35K	8124 (152)	8624 (161)	8593 (161)	7706 (144)	8743 (164)	8713 (163)	7825 (146)
			40K	8516 (159)	9040 (169)	9008 (169)	8078 (151)	9166 (172)	9133 (171)	8203 (154)
			50K	8608 (161)	9138 (171)	9106 (170)	8165 (153)	9265 (173)	9232 (173)	8292 (155)
	12000LM	75.5	30K	10570 (140)	11221 (149)	11181 (148)	10026 (133)	11377 (151)	11337 (150)	10182 (135)
			35K	10785 (143)	11449 (152)	11408 (151)	10230 (135)	11608 (154)	11567 (153)	10388 (138)
			40K	11306 (150)	12002 (159)	11959 (158)	10724 (142)	12168 (161)	12125 (161)	10890 (144)
			50K	11428 (151)	12132 (161)	12089 (160)	10840 (144)	12300 (163)	12257 (162)	11008 (146)
	15000LM	94.3	30K	13399 (142)	14225 (151)	14174 (150)	12710 (135)	14422 (153)	14371 (152)	12907 (137)
			35K	13671 (145)	14513 (154)	14461 (153)	12968 (138)	14714 (156)	14662 (156)	13169 (140)
			40K	14331 (152)	15214 (161)	15160 (161)	13594 (144)	15425 (164)	15370 (163)	13805 (146)
			50K	14487 (154)	15379 (163)	15324 (163)	13741 (146)	15592 (165)	15537 (165)	13954 (148)
18000LM	103.4	30K	15901 (154)	16881 (163)	16820 (163)	15083 (146)	17114 (165)	17054 (165)	15317 (148)	
		35K	16224 (157)	17223 (167)	17161 (166)	15389 (149)	17462 (169)	17400 (168)	15627 (151)	
		40K	17007 (164)	18055 (175)	17990 (174)	16132 (156)	18305 (177)	18240 (176)	16382 (158)	
		50K	17192 (166)	18251 (176)	18185 (176)	16307 (158)	18503 (179)	18438 (178)	16560 (160)	
20000LM	125.5	30K	17549 (140)	18630 (148)	18564 (148)	16646 (133)	18888 (150)	18822 (150)	16904 (135)	
		35K	17906 (143)	19008 (151)	18940 (151)	16984 (135)	19272 (154)	19204 (153)	17247 (137)	
		40K	18770 (150)	19927 (159)	19855 (158)	17804 (142)	20202 (161)	20131 (160)	18080 (144)	
		50K	18974 (151)	20143 (160)	20070 (160)	17997 (143)	20421 (163)	20349 (162)	18276 (146)	
24000LM	149.5	30K	21142 (141)	22445 (150)	22364 (150)	20055 (134)	22756 (152)	22675 (152)	20365 (136)	
		35K	21571 (144)	22900 (153)	22818 (153)	20461 (137)	23217 (155)	23135 (155)	20779 (139)	
		40K	22613 (151)	24006 (161)	23920 (160)	21450 (143)	24339 (163)	24253 (162)	21782 (146)	
		50K	22858 (153)	24266 (162)	24179 (162)	21682 (145)	24602 (165)	24516 (164)	22018 (147)	

* For 90CRI, reduce lumen output by 17.1%
 ** For WD reduce output by 4.7%, PGD reduce output by 5.4%
 *** For HVOLT use scale factor in HVOLT SCALE FACTOR TABLE



FEM LED

INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 800-705-SERV (7378) www.lithonia.com

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Page 4 of 6

FEM LED Low-Profile Enclosed and Gasketed

CSA LISTED AMBIENT RATING*

		Standard** (surface)**	Standard** (suspended)**	E10WMCP (surface)	E10WMCP (suspended)	BE6WCP (surface)	BE6WCP (suspended)
L24	2000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
	3000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
	4000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
	6000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
L48	3000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
	4000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
	6000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
	8000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
	10000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
	12000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
L96	9000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
	12000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
	15000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
	18000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
	20000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C
	24000LM	35°C	50°C	5°C - 25°C	5°C - 35°C	-20°C - 25°C	-20°C - 35°C

*Minimum Ambient is -30°C unless noted, when the fixture is suspended at least 12" from the ceiling.
 **All options not specifically listed in this table are considered standard

HVOLT SCALE FACTOR

	Factor
2000LM	0.814
3000LM	0.814
4000LM	0.814
6000LM	0.835
8000LM	0.845
9000LM	0.850
10000LM	0.850
12000LM	0.845
15000LM	0.860
18000LM	0.880
20000LM	0.845
24000LM	0.865

CONFIGURATION WEIGHTS

	Standard	w/ Sensor	w/ Battery
L24	8	9	9
L48	11	12	12
L96	23	24	24

NUMBER OF BOARDS AND DRIVERS

Lumen package	Fixture length	Number of boards	Number of drivers
2000LM	L24	1	1
3000LM		1	1
4000LM		1	1
6000LM	L48	1	1
3000LM		2	1
4000LM		2	1
6000LM		2	1
8000LM		2	1
10000LM		2	1
12000LM	L96	2	1
9000LM		4	1
12000LM		4	2
15000LM		4	2
18000LM		4	2
20000LM		4	2
24000LM		4	2

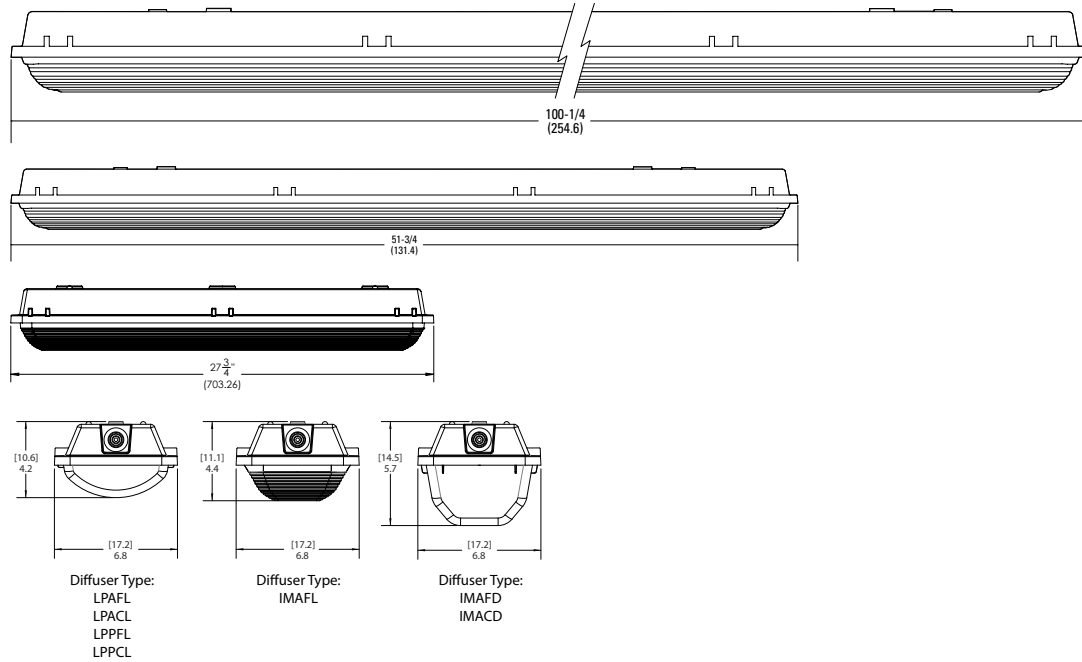


FEM LED Low-Profile Enclosed and Gasketed

DIMENSIONS

Specifications subject to change without notice.
All dimensions are inches (centimeters) unless otherwise indicated.

Weight (may vary with options or accessories)
FEM L48: 11.9 lbs (5.397kg)
FEM L96: 24.3 lbs (11.022kg)



PHOTOMETRICS

See www.lithonia.com for photometry reports.



FEM LED

INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 800-705-SERV (7378) www.lithonia.com

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Page 6 of 6

L12



vode Adaptive architectural lighting systems

Spec Guide

ZipOne | 707

PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

Accent or task lighting for under cabinet, cove and reveal accent.



ZipOne: direct or indirect, task and cove light.

Benefits & Features

Micro Profile, Robust design

Flat profile. 0.30" (7mm) x 1.14" (29mm).

Superior Light Quality & Performance

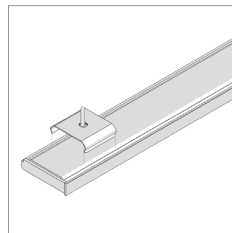
Output up to 1193 lm/ft (3913 lm/m) (HO), 122 lm/W (HO). 80 or 90 CRI & tunable white (2200K-5000K) available.

Versatile Mounting Options, Easy Installation

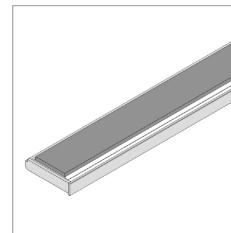
Magnet with tape-on ferrous strip or low profile clip allow for mounting to almost any surface.

Better Optics & Beam Control

100° beam distribution with EdgeSoft™ lens for excellent cutoff and glare control.



Clip



Magnet

Build Your Specification

707-Z1	SL				0
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System & Rail Type	System Type	System Length	Rail Length	Mounting	Arm/Cord Length
707-Z1 ZipOne	SL Standard Linear	Specify overall system length in ft/in or M/mm. <i>Corner and Shapes Available See Guide for details.</i>	24 24" (610mm) 36 36" (914mm) 48 48" (1219mm) 60 60" (1524mm) 72 72" (1829mm) 96 96" (2438mm) ZZ Other rail length or layout (please specify)	C Clip T Magnet with Tape-On Metal Strip ZZ Other (please specify)	0 None

MATCH LENGTHS INDICATED ON PLAN

>>					>>
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Power Location	Power Type	Voltage	Emergency Power
PP Portable Power	Portable Power	1 120V	0 No Emergency Power
Remote Power	WP Wall Plug with On/Off Switch ²	2 120V - 277V	ZZ Emergency Power (specify requirements)
RP10 10' (3.048m) Wire Harness	Flexible 1 to 1 Power	4 120V - 240V	
RP25 25' (7.62m) Wire Harness	AE eldoLED 0-10V, 1.0% Dimming	X Not Yet Specified	
RP50 50' (15.24m) Wire Harness	AT eldoLED 0-10V, 0.1% Dimming		
RP75 75' (22.86m) Wire Harness	AD eldoLED DALI, 0.1% Dimming		
RP100 100' (30.48m) Wire Harness	AX eldoLED DMX, 100-0% Dimming		
	AH Hi-lume 1% EcoSystem, Soft On / Fade to Black Technology, LDE1		
	AH2 Hi-lume 1% 2-wire LTEA2W (120V forward phase only)		
	Optimized Power		
	Add 'O' to power type example: AEO, ATO...etc. ³		
	VodeNODE		
	Add 'N' to power type for Flexible 1 to 1 Power		
	Add 'ON' to power type for Optimized Power example: AEN, ATN, AEON, ADON...etc. ⁴		
	ZZ Other (please specify)		

HIDE REMOTE POWER PACK WITHIN CUBBOARD.

See Power Guide for driver features & limitations.

>>	Z		A2	
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LED Type	Lumen Output	Color Temperature	Optics	Sensors
Z Zipper Board	LO Low Output	80+ CRI	A2 100° Asymmetric	0 None
	SO Standard Output	27 2700K		ZZ Other (please specify) ⁵
	HO High Output	30 3000K		
	ZZ Other (please specify)	35 3500K		
	See IES Files page for details.	40 4000K		
	See Power Guide for driver features & limitations.	90+ CRI		
		279 2700K		
		309 3000K		
		359 3500K		
		409 4000K		
		ZZ Tunable White Available		
		See Guide for details.		

>>	AL
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Finish	Options
AL Clear Anodized	3 3.5" (89mm) Fixture Cord
	18 18" (457mm) Fixture Cord
	36 36" (914mm) Fixture Cord
	9 9' 18/3 Cord and Plug ⁶

NOTES & LIMITATIONS

¹ WP is only available with Low Output (LO) and 120V - 240V in 36" and 48" Rail Lengths.

² Wall plug (WP) version is 120V - 240V.

³ Optimized Power is not available with Lutron Hi-lume 1% EcoSystem (AHO) Power Type.

⁴ VodeNODE enclosure is not available with Hi-lume 1% 2-wire (AH2) Power Type.

⁵ Sensors are available please contact Vode for more information.

⁶ 9' 18/3 Cord and Plug only available with Remote Power (RP).

Contact factory for Chicago Plenum.

Standard 5 Year Limited Warranty. See details here. Contact factory for options on Limited Warranties up to 20 years.

Listed to UL standards for damp location by a Nationally Recognized Testing Laboratory (NRTL) recognized by OSHA. Certain limitations exist for each Certification. Contact factory for verification.



Applications

Museum and Residential



MoMA, New York, NY



MoMA, New York, NY



Boatswain's Way, Chelsea, MA

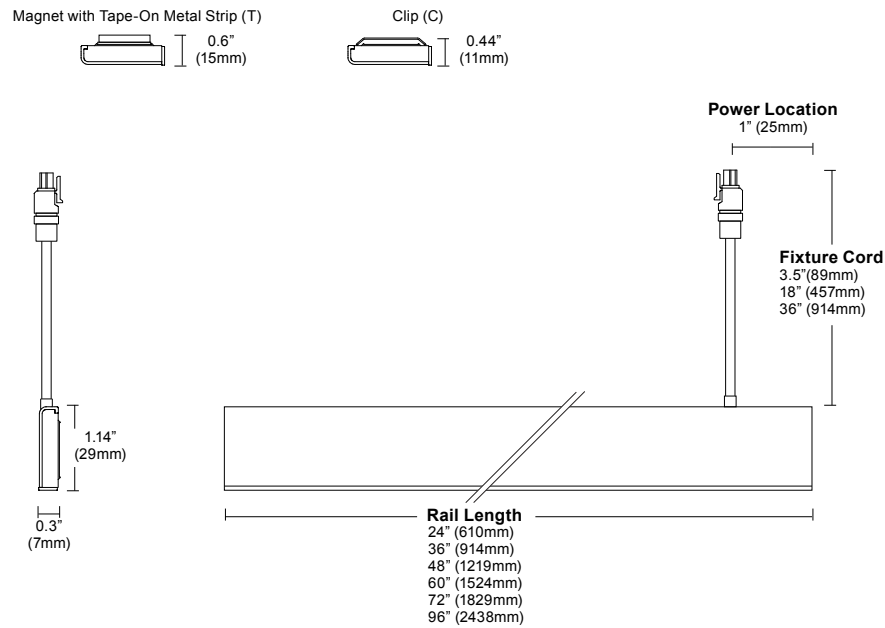
Structure

Rail Lengths	24" (610mm) - 96" (2438mm). Modified lengths available. See Rail Length Chart for more details.
Rail Dimensions	0.3" (7mm) x 1.14" (29mm). x length.
Construction	Extruded and machined 6063 aluminum.
Mounting	Various permanent and portable mounting options.
System Run Length	24" (610mm) minimum. Unlimited maximum.
Operating Temperature	32°F to 104°F (0°C to 40°C).
Humidity	0-95%, non-condensing. Suitable for damp locations.
System Weight	0.26lbs per ft (0.12kg per 305mm). Power supply and housing not included.

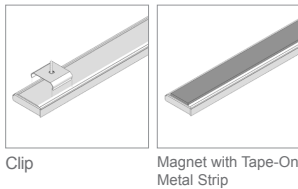
Materials

LED Board Construction	Aluminum core PCB, black LCP connectors, RoHS compliant.
Lens	High-impact extruded acrylic glass (PMMA).
Power Cable	Ø4mm, 18/2 AWG, Plenum (CMP) rated semi-rigid PVC or FEP, flame tested UL-910 (PVC free in 2020).
Cable Connectors	Unfilled black nylon, rated UL 94 V-0, halogen free, PVC or FEP overmold, RoHS compliant (PVC free in 2020).
Remote Linear Power Housing (RLP)	20.7" x 2.375" x 2.53", 0.054" formed Galvanized Steel.
Remote Brick Power Housing (RBP)	4.32" x 3.37" x .078" Galvanized Steel mounting plate.

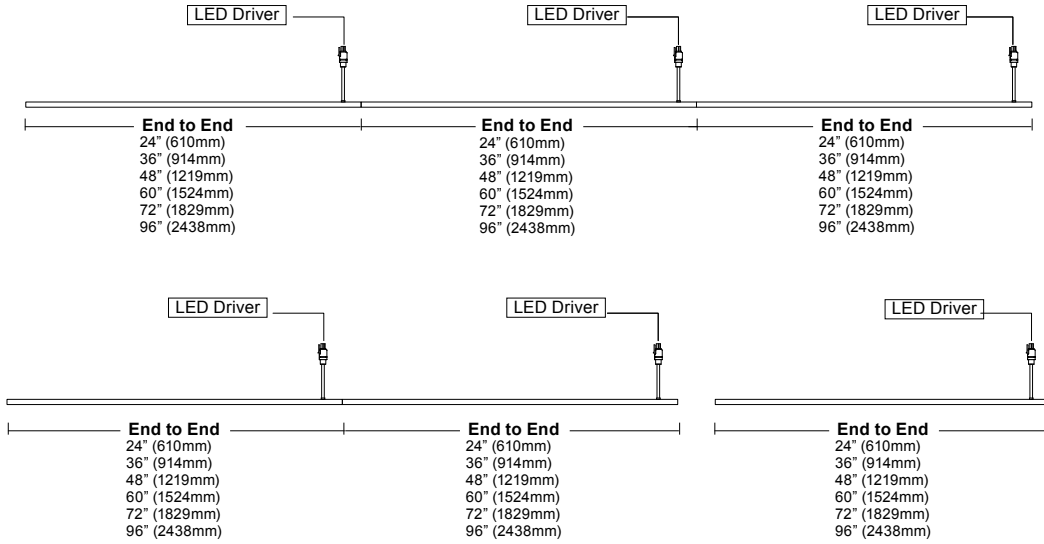
Dimensions



Mounting Options



Layout

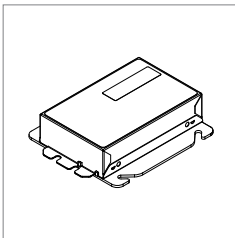


Power and Controls

Power Type	Class 2 (<60V output) constant current driver.
Dimming Controls	Dimming (0.1%, 1%), 0-10V, DALI, DMX, Lutron Hi-lume 1% are available. See Power Guide for details.
Input Voltage	120V - 277V, 50/60hz.
Power Location	Portable power or remote power. Maximum remote distance up to 100' (30.5m) depending on driver selection. See Power Guide for details.

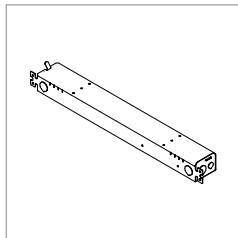
Remote power is locating the power supply away from the fixture. Remote power comes in two housing styles: brick style and linear style. Consult [Power Guide](#) to determine which type you will receive. Portable power is a wall plug with on/off switch.

Remote Brick Power Housing



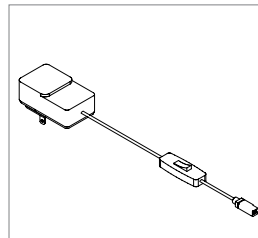
Supplied for some remote power applications. One remote power supply housing is supplied for each rail. Provided driver mounting plate fits standard 4" metal, square J-Boxes with a minimum volume of 21 in³ (J-Box not provided). See [Tech Sheet](#) for details.

Remote Linear Power Housing



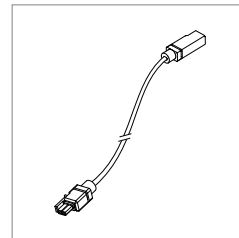
One remote power supply housing is supplied with each power supply. All Vode linear remote drivers come in a 0.054" (0.8mm) formed galvanized steel power supply housing with five (5) knockouts: (4) 1-1/8", (1) 7/8" and (1) 9/16". Accommodates standard linear power supplies. See [Tech Sheet](#) for details.

Wall Plug with On/Off Switch



Wall plug is only available in Low Output and 100V - 240V in 3" and 48" Rail Lengths.

Wire Harness

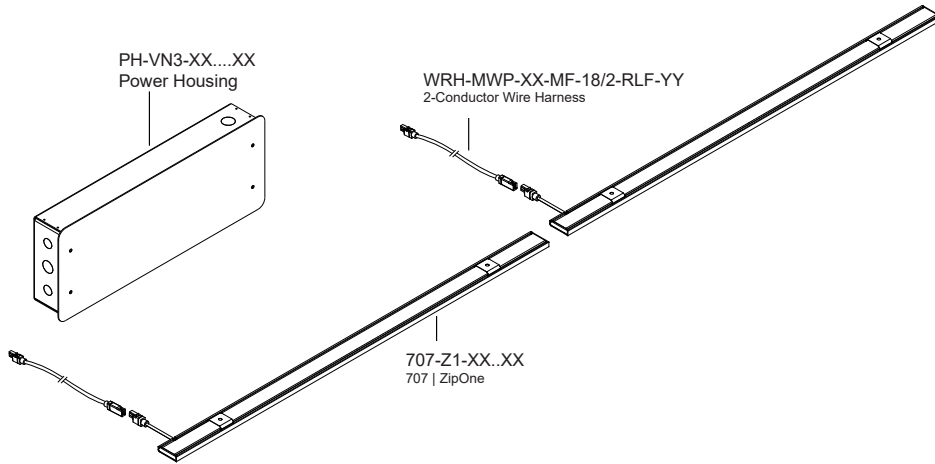


Wire harness connects driver to rail section. Lengths of 10' (3.0m) & 25' (7.6m) with snap-lock connectors for quick and easy installation. Multiple harnesses may be combined for lengths up to 100' (30.5m). See [Tech Sheet](#) for details.

Power and Controls

Flexible 1 to 1 power

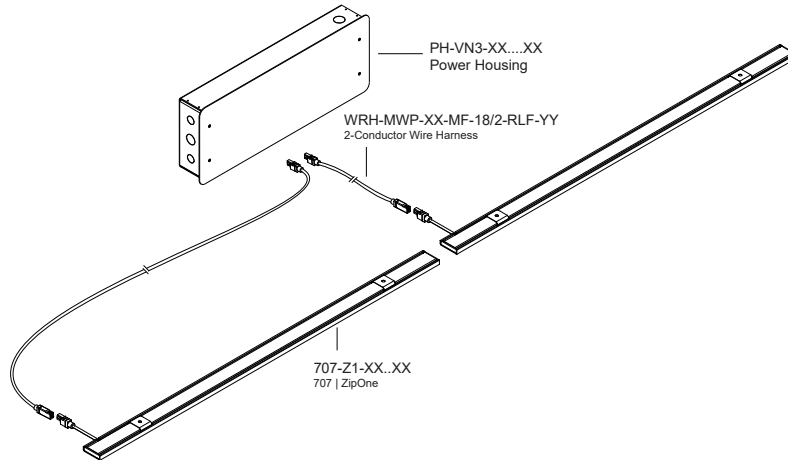
For Flexible 1 to 1 Power, Vode supplies one single output driver per fixture, allowing each fixture to be controlled independently. Direct/Indirect fixtures are supplied with two single output drivers, allowing the direct and indirect lighting to be controlled independently. Consult [Power Guide](#) to determine which type you will receive.



Optimized Power

To optimize power, Vode configures specifications with drivers that have 2 or 4 outputs. Depending on system configurations and power requirements, up to 4 fixtures can be powered from a 4-output driver. Consult [Power Guide](#) to determine which type you will receive.

IMPORTANT: Each fixture will still require individual wire harnesses, as shown below.

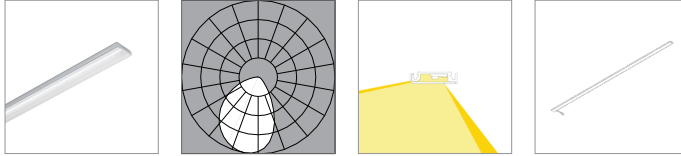


Note: Drawings not to scale, for reference only.

Performance | Zipper Board Optics

Zipper Board Optics design has 72 diodes per foot (305mm).

100° Asymmetric (A2)



L80 >60,000 hours

	80 CRI (80min., 84 avg.)				90 CRI (90min., 96 avg.)			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Low Output (LO)								
Efficacy - Lumens per Watt	98	101	103	103	85	87	89	90
Lumens per foot (305mm)	397	410	418	418	342	353	361	364
Watts per foot (305mm)	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Standard Output (SO)								
Efficacy - Lumens per Watt	122	126	129	129	106	109	111	113
Lumens per foot (305mm)	795	820	836	836	685	707	721	728
Watts per foot (305mm)	6.6	6.6	6.6	6.6	6.5	6.5	6.6	6.5
High Output (HO)								
Efficacy - Lumens per Watt	122	125	128	128	105	108	110	112
Lumens per foot (305mm)	1192	1229	1255	1255	1027	1060	1082	1092
Watts per foot (305mm)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9

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L13A

Rev. 2022/12/30

CP6000 Sequence™ Mini

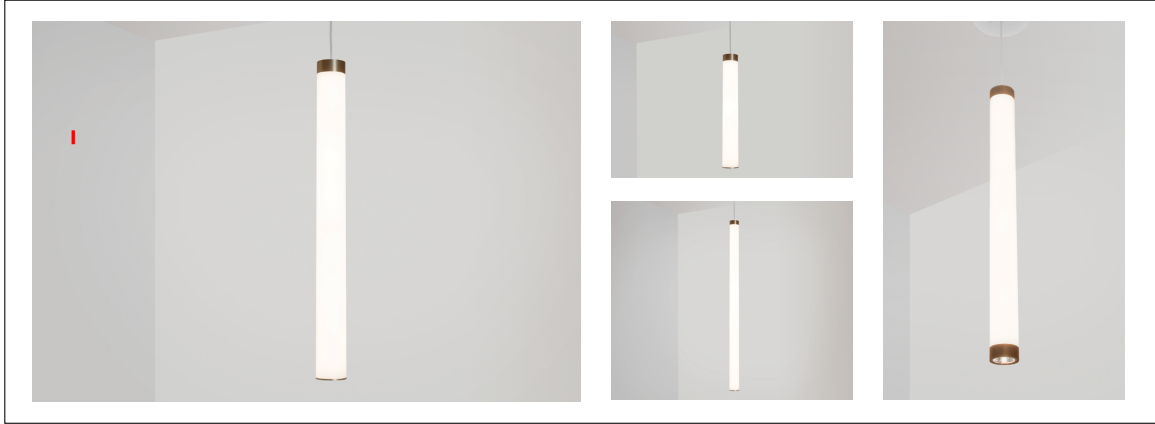
Vertical Suspension



PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

VisaLighting.com/products/Sequence-Mini

Type: Project: Location:



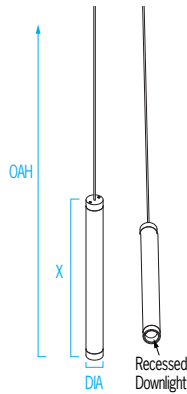
DIMENSIONS¹⁰

OAH MUST BE SPECIFIED

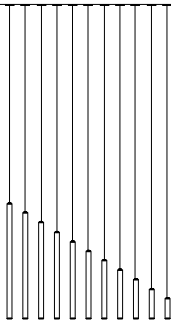
DIA = Diameter OAH = Overall Height X = Body Length WT = Weight

OAH is the distance (in inches) from the bottom of the fixture to the ceiling plane. Example - OAH(192) indicates an overall fixture height of 192"

DIA	2-1/4"	(57 mm)
OAH	96"	(2438 mm)
MIN OAH	X + 3"	(X + 76 mm)
X	12" - 72"	(305 mm - 1829 mm)
WT	1 lb - 6 lbs	(454 g - 2722 g)



RELATIVE SCALE DRAWING



Door Height = 7'
Ceiling Height = 24'
Silhouette Height = 6'



ETL Listed
800-788-VISA

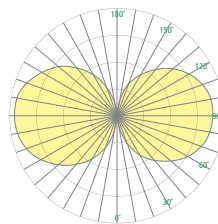


5 Year Warranty

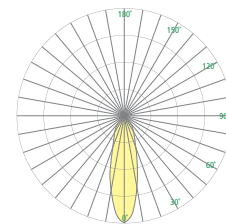
FEATURES

- Varying lengths, from 12" to 72", in 6" increments
- Optional downlight, 0-10V dimmable (controls by others), with narrow, medium, or wide optical distribution
- Endcaps machined from raw 2.25"DIA Aluminum billet
- Remote Driver Enclosure (RMD) is available for all lengths. Round canopy is 5-1/4" diameter and 1/2" deep.
- Driver in canopy (SDC) is available for lengths 24" and longer. Round canopy is 6-3/8" diameter and 1-1/2" deep.
- Canopy for both (RMD) or (SDC) mounts over 4x4 junction box (by others) with provided hardware and is painted white
- Suspended via black, white, or grey cloth braided power cord. Overall height (OAH) can be field adjusted to a shorter length during installation
- Matte white acrylic body
- No VOC powder coat finish or low VOC clear coat on metal finishes
- ETL listed for damp locations. Not suited for exterior applications

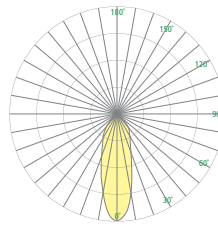
PHOTOMETRICS



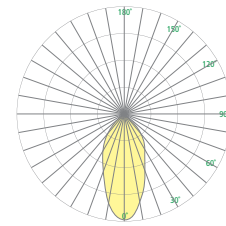
Bodylight



Downlight Optic NRW 27° Beam



Downlight Optic MED 33° Beam



Downlight Optic WIDE 48° Beam

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Page 1

CP6000 Sequence Mini (cont.)

Vertical Suspension



Fill in shaded boxes using information listed below

CP6000											
MODEL	LENGTH¹	BODYLIGHT²	OPTIONAL DOWNLIGHT³	OPTIONAL DOWNLIGHT OPTIC⁴	VOLTAGE⁵	OPTIONAL DIMMING CONTROL⁶	FINISH	CORD COLOR⁷	DRIVER⁸	OPTION⁹	OAH¹⁰
	12 48 18 54 24 60 30 66 36 72 42	L30K L35K L40K	LOW HIGH	MED NRW WIDE	MVOLT 347V	DALI	See last page for finish order codes	BSC WSC GSC	SDC RMD	DCC	See page 1
	Custom lengths available from 12" to 72" in length in 1" nominal increments; contact factory			Required for downlight option		Dimmable 0-10V to 1% if option not selected. DALI not available with SDC or 347V			SDC not available with 347V or DALI option; SDC not available on 12" and 18" lengths		

FINISHES TO BE SELECTED BY ARCHITECT

BODYLIGHT SOURCE (Select one length¹ and one source²)

Minimum 80CRI, within 3-step MacAdam

Bodylight Source ²	L30K	L35K	L40K	Power (Watts) (Body)
CCT	3000K	3500K	4000K	
Length ¹	Delivered Lumens (Body)			
12"	650	700	700	7
18"	1000	1100	1100	10
24"	1400	1500	1600	14
30"	1800	1900	2000	17
36"	2200	2300	2500	21
42"	2600	2800	2900	24
48"	3000	3200	3300	28
54"	3400	3600	3800	31
60"	3800	4000	4200	35
66"	4200	4500	4700	39
72"	4600	4900	5100	42

LUMEN MAINTENANCE RATING

Bodylight	L80 (reported)	>72,000 hrs
Downlight	L80 (reported)	>55,000 hrs

Bodylight and downlight are separately switched and controlled/dimmed

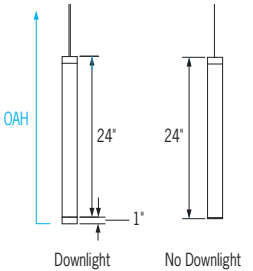
OPTIONAL DOWNLIGHT³ AND OPTIC⁴

Fixture bottom is solid if no downlight is specified. Downlight adds an extra 1" to overall length. CCT matches bodylight selection Minimum 80CRI, within 3-step MacAdam

	Delivered Lumens		Power (Watts)
	L30K/L35K	L40K	
LOW	800	850	8
HIGH	1500	1600	17

Downlight Optic	
NRW	27° Beam
MED	33° Beam
WIDE	48° Beam

DIMENSIONS WITH DOWNLIGHT
CP6000 – 24" EXAMPLE



Downlight adds an extra 1" to overall height (OAH)

VOLTAGE⁵ (Select one)

MVOLT	120-277V, 50/60 Hz
347V	50/60 Hz Not available with DALI or SDC options

Options continued on Page 3

CP6000 Sequence Mini (cont.)

Vertical Suspension



DIMMING CONTROL OPTION*

0-10V dimming to 1% is included unless DALI option is selected

▲ Option availability may be interdependent with Voltage, Source or Other Options

DALI	Dimming control capability (to 5%) via DALI 1.0 protocol (not available with 347V or SDC option)
-------------	--

CORD COLOR* (Select one)

BSC	Black linen braided over power cord
WSC	White linen braided over power cord
GSC	Gray linen braided over power cord

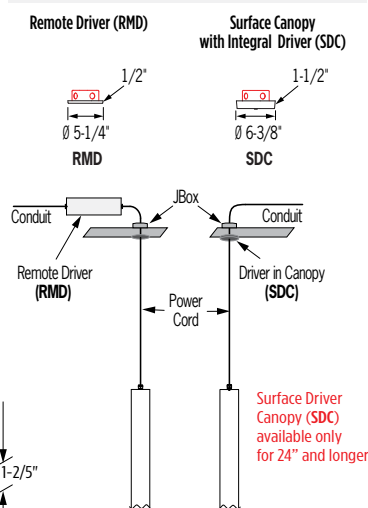


DRIVER* (Select one)

▲ Availability may be interdependent with Voltage, Source or Other Options

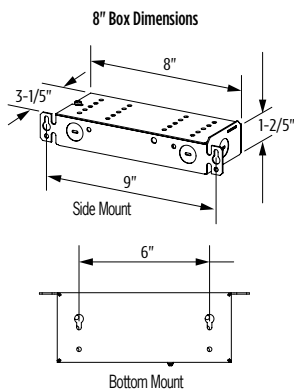
SDC	Surface canopy with integral driver; canopy is painted white (not available with 347V or DALI option; not available on 12" and 18" lengths)
RMD	Remote driver enclosure, has knockouts for conduit connection, may be recess mounted with insulation contact (type IC); canopy is painted white

DRIVER DETAIL

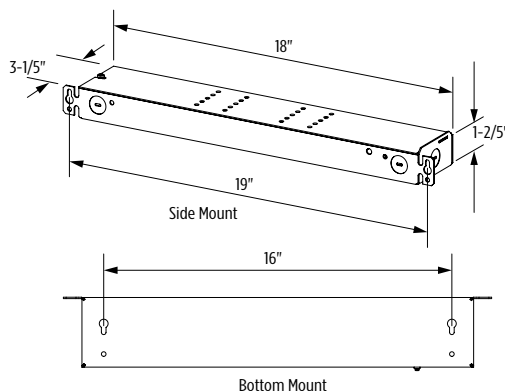


REMOTE DRIVER (RMD) INFORMATION

8" RMD box is used for 24" to 72" lengths



18" RMD box is used for any of these lengths: 12" & 18" lengths, DALI dimming, 347V



Remote driver boxes have knockouts for conduit connections

CP6000 Sequence Mini (cont.)

Vertical Suspension



OPTION*

▲ Option availability may be interdependent with Other Options

DCC	Damp clear coat for metal finishes (required for 5 year warranty when used in damp locations)
-----	---

Maximum Recommended Remote Wiring Distance from RMD to fixture canopy

- 12GA 190 ft
- 14GA 120 ft
- 16GA 75 ft
- 18GA 45 ft
- 20GA 30 ft

SEQUENCE PRODUCT FAMILY

Wall Units	<ul style="list-style-type: none"> • CB5201 — 34 In Indoor Wall • CB5203 — 45 In Indoor Wall 		<ul style="list-style-type: none"> • OP2252 — 8 In x 2 Ft Canopy • OP2253 — 8 In x 3 Ft Canopy
4" Diameter Pendants	<ul style="list-style-type: none"> • CP2020 — 4 In x 2 Ft • CP2022 — 4 In x 3 Ft • CP2024 — 4 In x 4 Ft • CP2026 — 4 In x 5 Ft • CP2028 — 4 In x 6 Ft • CP2030 — 4 In x 8 Ft 	Outdoor 8" Diameter Pendants	<ul style="list-style-type: none"> • OP2254 — 8 In x 4 Ft Canopy • OP2262 — 8 In x 2 Ft Catenary • OP2263 — 8 In x 3 Ft Catenary • OP2264 — 8 In x 4 Ft Catenary
		Outdoor Wall Units	<ul style="list-style-type: none"> • OW5201 — 34 In Outdoor Wall • OW5203 — 45 In Outdoor Wall
8" Diameter Pendants	<ul style="list-style-type: none"> • CP2036 — 8 In x 2 Ft • CP2038 — 8 In x 3 Ft • CP2040 — 8 In x 4 Ft • CP2042 — 8 In x 5 Ft • CP2044 — 8 In x 6 Ft • CP2046 — 8 In x 8 Ft 	4" Indoor Sequence Square	<ul style="list-style-type: none"> • CP5820 — 4 in x 2 ft • CP5822 — 4 in x 3 ft • CP5824 — 4 in x 4 ft • CP5826 — 4 in x 5 ft • CP5828 — 4 in x 6 ft • CP5830 — 4 in x 8 ft
12" Diameter Pendants	<ul style="list-style-type: none"> • CP2052 — 12 In x 2 Ft • CP2054 — 12 In x 3 Ft • CP2056 — 12 In x 4 Ft • CP2058 — 12 In x 5 Ft • CP2060 — 12 In x 6 Ft • CP2062 — 12 In x 8 Ft 	8" Indoor Sequence Square	<ul style="list-style-type: none"> • CP5836 — 8 in x 2 ft • CP5838 — 8 in x 3 ft • CP5840 — 8 in x 4 ft • CP5842 — 8 in x 5 ft • CP5844 — 8 in x 6 ft • CP5846 — 8 in x 8 ft
Outdoor 4" Diameter Pendants	<ul style="list-style-type: none"> • OP2222 — 4 In x 3 Ft Canopy • OP2223 — 4 In x 4 Ft Canopy • OP2224 — 4 In x 5 Ft Canopy • OP2232 — 4 In x 3 Ft Catenary • OP2233 — 4 In x 4 Ft Catenary • OP2234 — 4 In x 5 Ft Catenary 	Vertical Sequence Mini	• CP6000 — 2 in; various lengths
		Horizontal Sequence Mini	• CP6002 — 2 in; various lengths

SUGGESTED VARIATIONS

- Custom lengths/lumen outputs
- Alternative downlight bezel and end cap color
- Multi-fixture clusters via custom multi-point canopies
- Angled mounting via additional hang cable

See [Visalighting.com/Sequence](https://www.visalighting.com/Sequence), [Visalighting.com/Sequence-Square](https://www.visalighting.com/Sequence-Square) and [Visalighting.com/Sequence-Mini](https://www.visalighting.com/Sequence-Mini) for more information

CP6000 Sequence Mini (cont.)



FINISHES

Specify color code when ordering. For accurate color matching, individual paint and finish samples are [available upon request](#). For more information about our finishes visit visalighting.com/finishes

Powder Coat Paint Finishes (Standard)

AGGY Agate Grey	ALGN Alpine Green	BJBG Baja Beige	BMAT Bronze Matte	BRNZ Bronze	BSIL Blade Silver	CVBL Cove Blue
DEOR Deoro Gold	GLWT Glacier White	GSIL Graphite Silver	HRGR Harbor Grey	JTBK Jet Black	OCBL Ocean Blue	SHGR Shoreline Grey
SBGN Sagebrush Green	SLGR Slate Grey	SSTP Sierra Taupe	TRCN Terracotta Canyon	TRWT Traffic White	VBLK Velvet Black	VNRD Vineyard Red

Alternative Metal Finishes (Premium)

BBA Brushed Brass Alternative	BCA Brushed Chrome Alternative	BUA Brushed Copper Alternative	BZA Brushed Bronze Alternative
OBA Oil-Rubbed Bronze Alternative	PRA Pewter Alternative	RBA Rustic Brass Alternative	SNA Satin Nickel Alternative

Metal Finish (Premium)

BA Brushed Aluminum

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L13B

Rev. 2022/12/30

CP6000 Sequence™ Mini

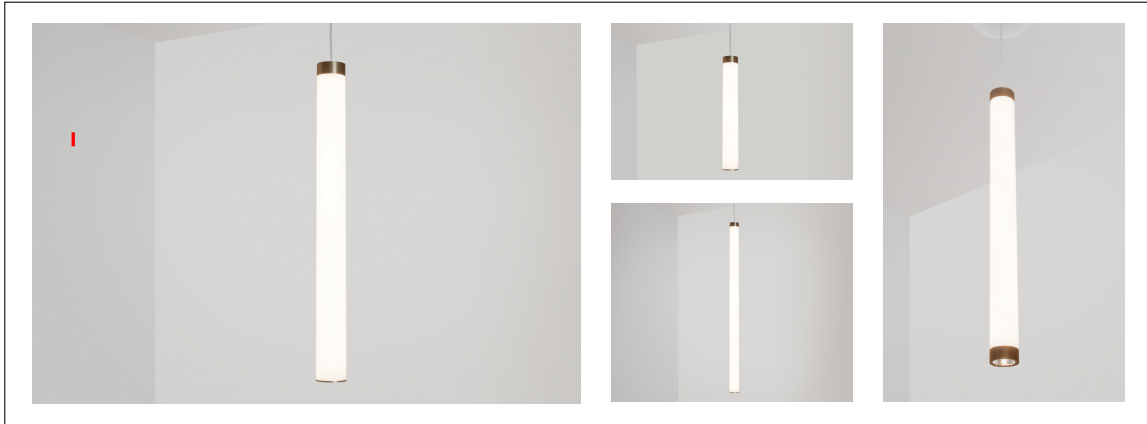
Vertical Suspension



PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

VisaLighting.com/products/Sequence-Mini

Type: _____ Project: _____ Location: _____



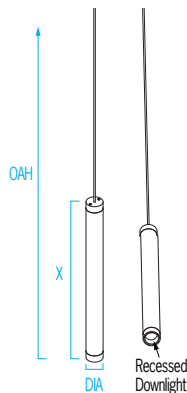
DIMENSIONS¹⁰

OAH MUST BE SPECIFIED

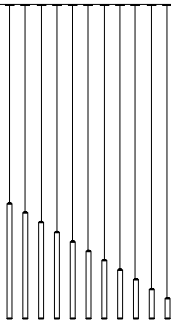
DIA = Diameter OAH = Overall Height X = Body Length WT = Weight

OAH is the distance (in inches) from the bottom of the fixture to the ceiling plane. Example - OAH(192) indicates an overall fixture height of 192"

DIA	2-1/4"	(57 mm)
OAH	96"	(2438 mm)
MIN OAH	X + 3"	(X + 76 mm)
X	12" - 72"	(305 mm - 1829 mm)
WT	1 lb - 6 lbs	(454 g - 2722 g)



RELATIVE SCALE DRAWING



Door Height = 7'
Ceiling Height = 24'
Silhouette Height = 6'

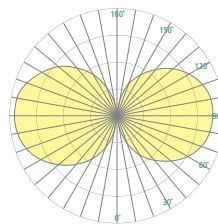


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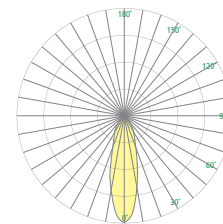
FEATURES

- Varying lengths, from 12" to 72", in 6" increments
- Optional downlight, 0-10V dimmable (controls by others), with narrow, medium, or wide optical distribution
- Endcaps machined from raw 2.25"DIA Aluminum billet
- Remote Driver Enclosure (RMD) is available for all lengths. Round canopy is 5-1/4" diameter and 1/2" deep.
- Driver in canopy (SDC) is available for lengths 24" and longer. Round canopy is 6-3/8" diameter and 1-1/2" deep.
- Canopy for both (RMD) or (SDC) mounts over 4x4 junction box (by others) with provided hardware and is painted white
- Suspended via black, white, or grey cloth braided power cord. Overall height (OAH) can be field adjusted to a shorter length during installation
- Matte white acrylic body
- No VOC powder coat finish or low VOC clear coat on metal finishes
- ETL listed for damp locations. Not suited for exterior applications

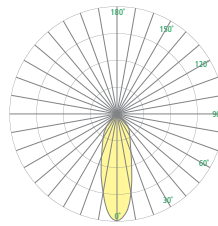
PHOTOMETRICS



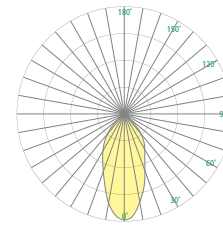
Bodylight



Downlight Optic NRW 27° Beam



Downlight Optic MED 33° Beam



Downlight Optic WIDE 48° Beam

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Page 1

CP6000 Sequence Mini (cont.)

Vertical Suspension



Fill in shaded boxes using information listed below

CP6000											
MODEL	LENGTH ¹	BODYLIGHT ²	OPTIONAL DOWNLIGHT ³	OPTIONAL DOWNLIGHT OPTIC ⁴	VOLTAGE ⁵	OPTIONAL DIMMING CONTROL ⁶	FINISH	CORD COLOR ⁷	DRIVER ⁸	OPTION ⁹	OAH ¹⁰
	12 48 18 54 24 60 30 66 36 72 42	L30K L35K L40K	LOW HIGH	MED NRW WIDE	347V	DALI	See last page for finish order codes	BSC WSC GSC	SDC RMD	DCC	See page 1
	Custom lengths available from 12" to 72" in length in 1" nominal increments; contact factory			Required for downlight option		Dimmable 0-10V to 1% if option not selected. DALI not available with SDC or 347V			SDC not available with 347V or DALI option; SDC not available on 12" and 18" lengths		

FINISHES TO BE SELECTED BY ARCHITECT

BODYLIGHT SOURCE (Select one length¹ and one source²)

Minimum 80CRI, within 3-step MacAdam

Bodylight Source ²	L30K	L35K	L40K	Power (Watts) (Body)
CCT	3000K	3500K	4000K	
Length ¹	Delivered Lumens (Body)			
12"	650	700	700	7
18"	1000	1100	1100	10
24"	1400	1500	1600	14
30"	1800	1900	2000	17
36"	2200	2300	2500	21
42"	2600	2800	2900	24
48"	3000	3200	3300	28
54"	3400	3600	3800	31
60"	3800	4000	4200	35
66"	4200	4500	4700	39
72"	4600	4900	5100	42

LUMEN MAINTENANCE RATING

Bodylight	L80 (reported)	>72,000 hrs
Downlight	L80 (reported)	>55,000 hrs

Bodylight and downlight are separately switched and controlled/dimmed

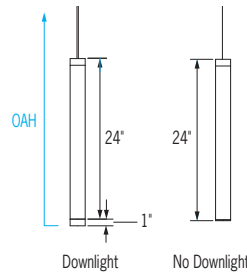
OPTIONAL DOWNLIGHT³ AND OPTIC⁴

Fixture bottom is solid if no downlight is specified. Downlight adds an extra 1" to overall length. CCT matches bodylight selection Minimum 80CRI, within 3-step MacAdam

	Delivered Lumens		Power (Watts)
	L30K/L35K	L40K	
LOW	800	850	8
HIGH	1500	1600	17

Downlight Optic	
NRW	27° Beam
MED	33° Beam
WIDE	48° Beam

DIMENSIONS WITH DOWNLIGHT
CP6000 – 24" EXAMPLE



Downlight adds an extra 1" to overall height (OAH)

VOLTAGE⁵ (Select one)

MVOLT	120-277V, 50/60 Hz
347V	50/60 Hz Not available with DALI or SDC options

Options continued on Page 3

CP6000 Sequence Mini (cont.)

Vertical Suspension



DIMMING CONTROL OPTION*

0-10V dimming to 1% is included unless DALI option is selected

▲ Option availability may be interdependent with Voltage, Source or Other Options

DALI	Dimming control capability (to 5%) via DALI 1.0 protocol (not available with 347V or SDC option)
-------------	--

CORD COLOR* (Select one)

BSC	Black linen braided over power cord
WSC	White linen braided over power cord
GSC	Gray linen braided over power cord

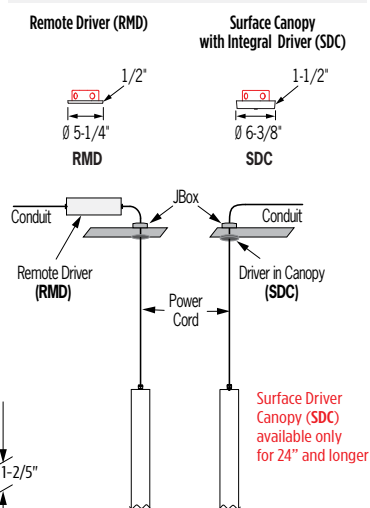


DRIVER* (Select one)

▲ Availability may be interdependent with Voltage, Source or Other Options

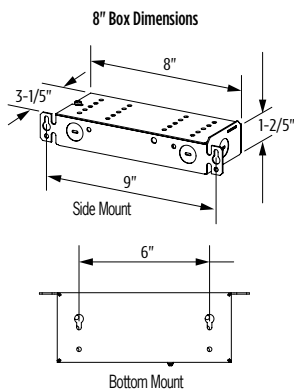
SDC	Surface canopy with integral driver; canopy is painted white (not available with 347V or DALI option; not available on 12" and 18" lengths)
RMD	Remote driver enclosure, has knockouts for conduit connection, may be recess mounted with insulation contact (type IC); canopy is painted white

DRIVER DETAIL

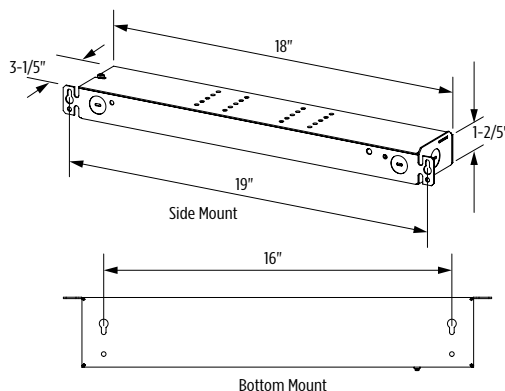


REMOTE DRIVER (RMD) INFORMATION

8" RMD box is used for 24" to 72" lengths



18" RMD box is used for any of these lengths: 12" & 18" lengths, DALI dimming, 347V



Remote driver boxes have knockouts for conduit connections

CP6000 Sequence Mini (cont.)

Vertical Suspension



OPTION*

▲ Option availability may be interdependent with Other Options

DCC	Damp clear coat for metal finishes (required for 5 year warranty when used in damp locations)
-----	---

Maximum Recommended Remote Wiring Distance from RMD to fixture canopy

- 12GA 190 ft
- 14GA 120 ft
- 16GA 75 ft
- 18GA 45 ft
- 20GA 30 ft

SEQUENCE PRODUCT FAMILY

Wall Units	<ul style="list-style-type: none"> • CB5201 — 34 In Indoor Wall • CB5203 — 45 In Indoor Wall 		<ul style="list-style-type: none"> • OP2252 — 8 In x 2 Ft Canopy • OP2253 — 8 In x 3 Ft Canopy
4" Diameter Pendants	<ul style="list-style-type: none"> • CP2020 — 4 In x 2 Ft • CP2022 — 4 In x 3 Ft • CP2024 — 4 In x 4 Ft • CP2026 — 4 In x 5 Ft • CP2028 — 4 In x 6 Ft • CP2030 — 4 In x 8 Ft 	Outdoor 8" Diameter Pendants	<ul style="list-style-type: none"> • OP2254 — 8 In x 4 Ft Canopy • OP2262 — 8 In x 2 Ft Catenary • OP2263 — 8 In x 3 Ft Catenary • OP2264 — 8 In x 4 Ft Catenary
		Outdoor Wall Units	<ul style="list-style-type: none"> • OW5201 — 34 In Outdoor Wall • OW5203 — 45 In Outdoor Wall
8" Diameter Pendants	<ul style="list-style-type: none"> • CP2036 — 8 In x 2 Ft • CP2038 — 8 In x 3 Ft • CP2040 — 8 In x 4 Ft • CP2042 — 8 In x 5 Ft • CP2044 — 8 In x 6 Ft • CP2046 — 8 In x 8 Ft 	4" Indoor Sequence Square	<ul style="list-style-type: none"> • CP5820 — 4 in x 2 ft • CP5822 — 4 in x 3 ft • CP5824 — 4 in x 4 ft • CP5826 — 4 in x 5 ft • CP5828 — 4 in x 6 ft • CP5830 — 4 in x 8 ft
12" Diameter Pendants	<ul style="list-style-type: none"> • CP2052 — 12 In x 2 Ft • CP2054 — 12 In x 3 Ft • CP2056 — 12 In x 4 Ft • CP2058 — 12 In x 5 Ft • CP2060 — 12 In x 6 Ft • CP2062 — 12 In x 8 Ft 	8" Indoor Sequence Square	<ul style="list-style-type: none"> • CP5836 — 8 in x 2 ft • CP5838 — 8 in x 3 ft • CP5840 — 8 in x 4 ft • CP5842 — 8 in x 5 ft • CP5844 — 8 in x 6 ft • CP5846 — 8 in x 8 ft
Outdoor 4" Diameter Pendants	<ul style="list-style-type: none"> • OP2222 — 4 In x 3 Ft Canopy • OP2223 — 4 In x 4 Ft Canopy • OP2224 — 4 In x 5 Ft Canopy • OP2232 — 4 In x 3 Ft Catenary • OP2233 — 4 In x 4 Ft Catenary • OP2234 — 4 In x 5 Ft Catenary 	Vertical Sequence Mini	• CP6000 — 2 in; various lengths
		Horizontal Sequence Mini	• CP6002 — 2 in; various lengths

SUGGESTED VARIATIONS

- Custom lengths/lumen outputs
- Alternative downlight bezel and end cap color
- Multi-fixture clusters via custom multi-point canopies
- Angled mounting via additional hang cable

See [Visalighting.com/Sequence](https://www.visalighting.com/Sequence), [Visalighting.com/Sequence-Square](https://www.visalighting.com/Sequence-Square) and [Visalighting.com/Sequence-Mini](https://www.visalighting.com/Sequence-Mini) for more information

CP6000 Sequence Mini (cont.)



FINISHES

Specify color code when ordering. For accurate color matching, individual paint and finish samples are [available upon request](#). For more information about our finishes visit visalighting.com/finishes

Powder Coat Paint Finishes (Standard)

AGGY Agate Grey	ALGN Alpine Green	BJBG Baja Beige	BMAT Bronze Matte	BRNZ Bronze	BSIL Blade Silver	CVBL Cove Blue
DEOR Deoro Gold	GLWT Glacier White	GSIL Graphite Silver	HRGR Harbor Grey	JTBK Jet Black	OCBL Ocean Blue	SHGR Shoreline Grey
SBGN Sagebrush Green	SLGR Slate Grey	SSTP Sierra Taupe	TRCN Terracotta Canyon	TRWT Traffic White	VBLK Velvet Black	VNRD Vineyard Red

Alternative Metal Finishes (Premium)

BBA Brushed Brass Alternative	BCA Brushed Chrome Alternative	BUA Brushed Copper Alternative	BZA Brushed Bronze Alternative
OBA Oil-Rubbed Bronze Alternative	PRA Pewter Alternative	RBA Rustic Brass Alternative	SNA Satin Nickel Alternative

Metal Finish (Premium)

BA Brushed Aluminum

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CP6000 Sequence™ Mini

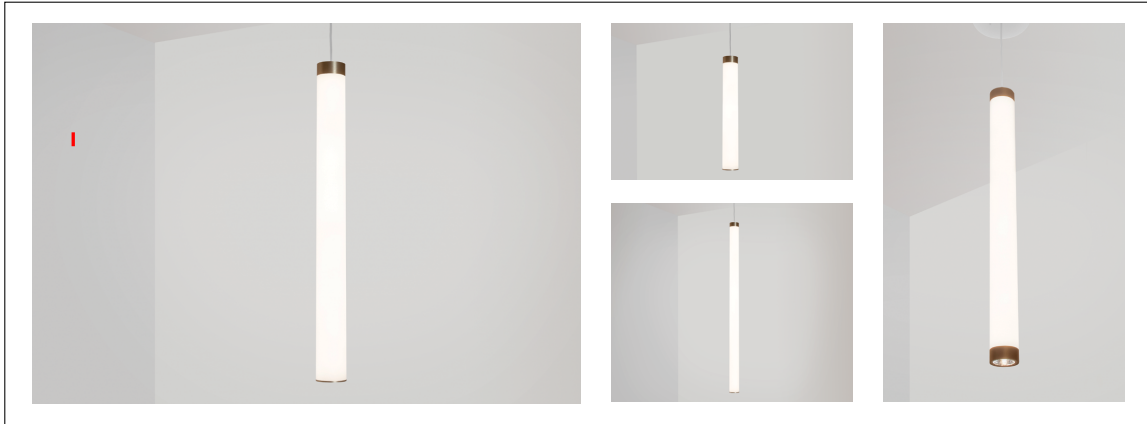
Vertical Suspension



PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

VisaLighting.com/products/Sequence-Mini

Type: _____ Project: _____ Location: _____



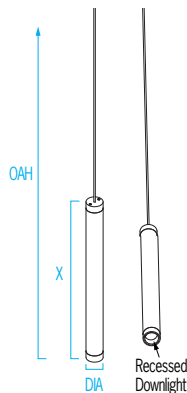
DIMENSIONS¹⁰

OAH MUST BE SPECIFIED

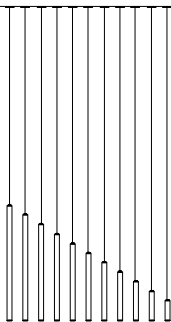
DIA = Diameter OAH = Overall Height X = Body Length WT = Weight

OAH is the distance (in inches) from the bottom of the fixture to the ceiling plane. Example - OAH(192) indicates an overall fixture height of 192"

DIA	2-1/4"	(57 mm)
OAH	96"	(2438 mm)
MIN OAH	X + 3"	(X + 76 mm)
X	12" - 72"	(305 mm - 1829 mm)
WT	1 lb - 6 lbs	(454 g - 2722 g)



RELATIVE SCALE DRAWING



Door Height = 7'
Ceiling Height = 24'
Silhouette Height = 6'

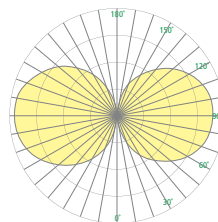


ETL Listed 5 Year Warranty
800-788-VISA

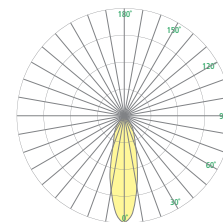
FEATURES

- Varying lengths, from 12" to 72", in 6" increments
- Optional downlight, 0-10V dimmable (controls by others), with narrow, medium, or wide optical distribution
- Endcaps machined from raw 2.25"DIA Aluminum billet
- Remote Driver Enclosure (RMD) is available for all lengths. Round canopy is 5-1/4" diameter and 1/2" deep.
- Driver in canopy (SDC) is available for lengths 24" and longer. Round canopy is 6-3/8" diameter and 1-1/2" deep.
- Canopy for both (RMD) or (SDC) mounts over 4x4 junction box (by others) with provided hardware and is painted white
- Suspended via black, white, or grey cloth braided power cord. Overall height (OAH) can be field adjusted to a shorter length during installation
- Matte white acrylic body
- No VOC powder coat finish or low VOC clear coat on metal finishes
- ETL listed for damp locations. Not suited for exterior applications

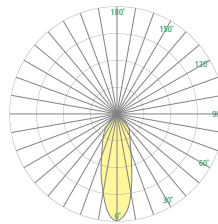
PHOTOMETRICS



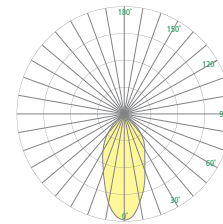
Bodylight



Downlight Optic NRW 27° Beam



Downlight Optic MED 33° Beam



Downlight Optic WIDE 48° Beam

CP6000 Sequence Mini (cont.)

Vertical Suspension



Fill in shaded boxes using information listed below

CP6000											
MODEL	LENGTH¹	BODYLIGHT²	OPTIONAL DOWNLIGHT³	OPTIONAL DOWNLIGHT OPTIC⁴	VOLTAGE⁵	OPTIONAL DIMMING CONTROL⁶	FINISH	CORD COLOR⁷	DRIVER⁸	OPTION⁹	OAH¹⁰
	12 48 18 54 24 60 30 66 36 72 42	L30K L35K L40K	LOW HIGH	MED NRW WIDE	347V	DALI	See last page for finish order codes	BSC WSC GSC	SDC RMD	DCC	See page 1
	Custom lengths available from 12" to 72" in length in 1" nominal increments; contact factory			Required for downlight option		Dimmable 0-10V to 1% if option not selected. DALI not available with SDC or 347V			SDC not available with 347V or DALI option; SDC not available on 12" and 18" lengths		

FINISHES TO BE SELECTED BY ARCHITECT

BODYLIGHT SOURCE (Select one length¹ and one source²)

Minimum 80CRI, within 3-step MacAdam

Bodylight Source ²	L30K	L35K	L40K	Power (Watts) (Body)
CCT	3000K	3500K	4000K	
Length ¹	Delivered Lumens (Body)			
12"	650	700	700	7
18"	1000	1100	1100	10
24"	1400	1500	1600	14
30"	1800	1900	2000	17
36"	2200	2300	2500	21
42"	2600	2800	2900	24
48"	3000	3200	3300	28
54"	3400	3600	3800	31
60"	3800	4000	4200	35
66"	4200	4500	4700	39
72"	4600	4900	5100	42

LUMEN MAINTENANCE RATING

Bodylight	L80 (reported)	>72,000 hrs
Downlight	L80 (reported)	>55,000 hrs

Bodylight and downlight are separately switched and controlled/dimmed

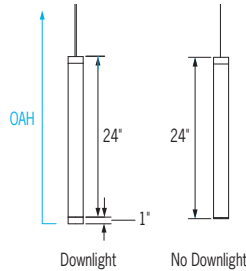
OPTIONAL DOWNLIGHT³ AND OPTIC⁴

Fixture bottom is solid if no downlight is specified. Downlight adds an extra 1" to overall length. CCT matches bodylight selection Minimum 80CRI, within 3-step MacAdam

	Delivered Lumens		Power (Watts)
	L30K/L35K	L40K	
LOW	800	850	8
HIGH	1500	1600	17

Downlight Optic	
NRW	27° Beam
MED	33° Beam
WIDE	48° Beam

DIMENSIONS WITH DOWNLIGHT CP6000 – 24" EXAMPLE



Downlight adds an extra 1" to overall height (OAH)

VOLTAGE⁵ (Select one)

MVOLT	120-277V, 50/60 Hz
347V	50/60 Hz Not available with DALI or SDC options

Options continued on Page 3

CP6000 Sequence Mini (cont.)

Vertical Suspension



DIMMING CONTROL OPTION*

0-10V dimming to 1% is included unless DALI option is selected

▲ Option availability may be interdependent with Voltage, Source or Other Options

DALI	Dimming control capability (to 5%) via DALI 1.0 protocol (not available with 347V or SDC option)
-------------	--

CORD COLOR* (Select one)

BSC	Black linen braided over power cord
WSC	White linen braided over power cord
GSC	Gray linen braided over power cord

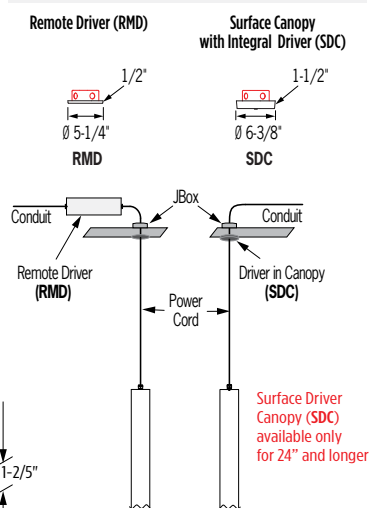


DRIVER* (Select one)

▲ Availability may be interdependent with Voltage, Source or Other Options

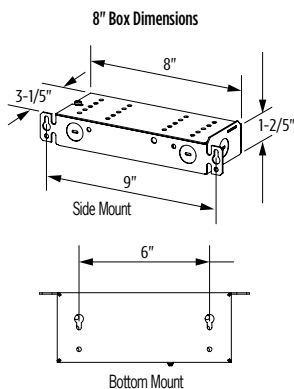
SDC	Surface canopy with integral driver; canopy is painted white (not available with 347V or DALI option; not available on 12" and 18" lengths)
RMD	Remote driver enclosure, has knockouts for conduit connection, may be recess mounted with insulation contact (type IC); canopy is painted white

DRIVER DETAIL

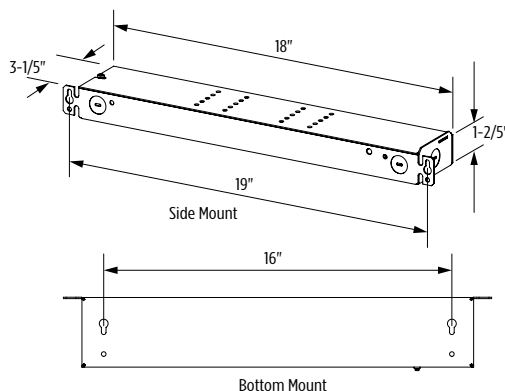


REMOTE DRIVER (RMD) INFORMATION

8" RMD box is used for 24" to 72" lengths



18" RMD box is used for any of these lengths: 12" & 18" lengths, DALI dimming, 347V



Remote driver boxes have knockouts for conduit connections

CP6000 Sequence Mini (cont.)

Vertical Suspension



OPTION*

▲ Option availability may be interdependent with Other Options

DCC	Damp clear coat for metal finishes (required for 5 year warranty when used in damp locations)
-----	---

Maximum Recommended Remote Wiring Distance from RMD to fixture canopy

- 12GA 190 ft
- 14GA 120 ft
- 16GA 75 ft
- 18GA 45 ft
- 20GA 30 ft

SEQUENCE PRODUCT FAMILY

Wall Units	<ul style="list-style-type: none"> • CB5201 — 34 In Indoor Wall • CB5203 — 45 In Indoor Wall 		<ul style="list-style-type: none"> • OP2252 — 8 In x 2 Ft Canopy • OP2253 — 8 In x 3 Ft Canopy
4" Diameter Pendants	<ul style="list-style-type: none"> • CP2020 — 4 In x 2 Ft • CP2022 — 4 In x 3 Ft • CP2024 — 4 In x 4 Ft • CP2026 — 4 In x 5 Ft • CP2028 — 4 In x 6 Ft • CP2030 — 4 In x 8 Ft 	Outdoor 8" Diameter Pendants	<ul style="list-style-type: none"> • OP2254 — 8 In x 4 Ft Canopy • OP2262 — 8 In x 2 Ft Catenary • OP2263 — 8 In x 3 Ft Catenary • OP2264 — 8 In x 4 Ft Catenary
		Outdoor Wall Units	<ul style="list-style-type: none"> • OW5201 — 34 In Outdoor Wall • OW5203 — 45 In Outdoor Wall
8" Diameter Pendants	<ul style="list-style-type: none"> • CP2036 — 8 In x 2 Ft • CP2038 — 8 In x 3 Ft • CP2040 — 8 In x 4 Ft • CP2042 — 8 In x 5 Ft • CP2044 — 8 In x 6 Ft • CP2046 — 8 In x 8 Ft 	4" Indoor Sequence Square	<ul style="list-style-type: none"> • CP5820 — 4 in x 2 ft • CP5822 — 4 in x 3 ft • CP5824 — 4 in x 4 ft • CP5826 — 4 in x 5 ft • CP5828 — 4 in x 6 ft • CP5830 — 4 in x 8 ft
12" Diameter Pendants	<ul style="list-style-type: none"> • CP2052 — 12 In x 2 Ft • CP2054 — 12 In x 3 Ft • CP2056 — 12 In x 4 Ft • CP2058 — 12 In x 5 Ft • CP2060 — 12 In x 6 Ft • CP2062 — 12 In x 8 Ft 	8" Indoor Sequence Square	<ul style="list-style-type: none"> • CP5836 — 8 in x 2 ft • CP5838 — 8 in x 3 ft • CP5840 — 8 in x 4 ft • CP5842 — 8 in x 5 ft • CP5844 — 8 in x 6 ft • CP5846 — 8 in x 8 ft
Outdoor 4" Diameter Pendants	<ul style="list-style-type: none"> • OP2222 — 4 In x 3 Ft Canopy • OP2223 — 4 In x 4 Ft Canopy • OP2224 — 4 In x 5 Ft Canopy • OP2232 — 4 In x 3 Ft Catenary • OP2233 — 4 In x 4 Ft Catenary • OP2234 — 4 In x 5 Ft Catenary 	Vertical Sequence Mini	• CP6000 — 2 in; various lengths
		Horizontal Sequence Mini	• CP6002 — 2 in; various lengths

SUGGESTED VARIATIONS

- Custom lengths/lumen outputs
- Alternative downlight bezel and end cap color
- Multi-fixture clusters via custom multi-point canopies
- Angled mounting via additional hang cable

See [Visalighting.com/Sequence](https://www.visalighting.com/Sequence), [Visalighting.com/Sequence-Square](https://www.visalighting.com/Sequence-Square) and [Visalighting.com/Sequence-Mini](https://www.visalighting.com/Sequence-Mini) for more information

CP6000 Sequence Mini (cont.)



FINISHES

Specify color code when ordering. For accurate color matching, individual paint and finish samples are [available upon request](#). For more information about our finishes visit visalighting.com/finishes

Powder Coat Paint Finishes (Standard)

AGGY Agate Grey	ALGN Alpine Green	BJBG Baja Beige	BMAT Bronze Matte	BRNZ Bronze	BSIL Blade Silver	CVBL Cove Blue
DEOR Deoro Gold	GLWT Glacier White	GSIL Graphite Silver	HRGR Harbor Grey	JTBK Jet Black	OCBL Ocean Blue	SHGR Shoreline Grey
SBGN Sagebrush Green	SLGR Slate Grey	SSTP Sierra Taupe	TRCN Terracotta Canyon	TRWT Traffic White	VBLK Velvet Black	VNRD Vineyard Red

Alternative Metal Finishes (Premium)

BBA Brushed Brass Alternative	BCA Brushed Chrome Alternative	BUA Brushed Copper Alternative	BZA Brushed Bronze Alternative
OBA Oil-Rubbed Bronze Alternative	PRA Pewter Alternative	RBA Rustic Brass Alternative	SNA Satin Nickel Alternative

Metal Finish (Premium)

BA Brushed Aluminum

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TYPE L14

FINELITE
Better Lighting

Home Order Specs Photometry Tunable White

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 6" Aperture (HP-6) Pendant



High Performance 6" Aperture is a patented, linear LED luminaire family. HP-6 delivers excellent performance using an advanced optical design and mid-power LEDs. Achieving 90% of initial light output at 100,000+ hours and backed by a 10-year performance-based warranty on all standard components.

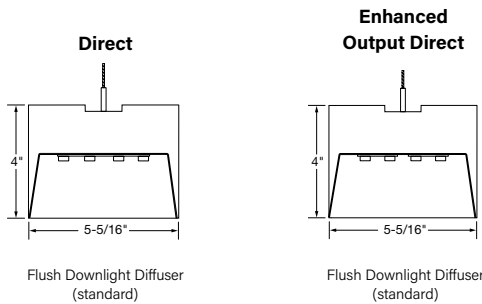
This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving **Red List Approved** and **Red List Declared** status.

PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

Signal White is standard finish

Note: see page 6 for all aesthetic options

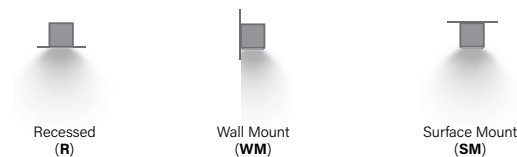
CROSS SECTIONS



GET MORE WITH TAILORED LIGHTING

- Tailored Length
- Tailored Angle
- Tailored Color
- Tailored Output
- Tailored Control

ALSO AVAILABLE IN



Declare.



Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Page 1

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Due to continuing product improvements, Finelite reserves the right to change specifications without notice. Visit www.finelite.com for the most current data.

A brand of **legrand**

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 6" Aperture (HP-6) Pendant

Clear Form

BODY TYPE				OUTPUT AND LED TYPE	
Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Light Output (Flush)
<input checked="" type="radio"/> HP - High Performance	<input checked="" type="radio"/> 6 <input type="radio"/> 6EO - Enhanced Output	<input checked="" type="radio"/> P - Pendant	<input checked="" type="radio"/> D - Direct	Minimum 2' section length. Increments accurate to 1/16" (±1/32"), standard. 12' maximum section length.	D Output <input type="radio"/> S - Standard (386 lm/ft) <input type="radio"/> B - Boosted (485 lm/ft) <input checked="" type="radio"/> H - High (733 lm/ft) <input type="radio"/> V - Very High (942 lm/ft) <input type="radio"/> TL - Tailored: _____lm/ft* <small>* Specify lm/ft of outputs between Standard (S) and Very High (V). Consult factory for tailored lumen output outside of this range.</small>
					EO D Output <input type="radio"/> H - High (1561 lm/ft) <input type="radio"/> V - Very High (2007 lm/ft) <input type="radio"/> X - Extremely High (2271 lm/ft) <input type="radio"/> TL - Tailored: _____lm/ft*

OUTPUT AND LED TYPE		MECHANICAL OPTIONS		ELECTRICAL OPTIONS	
LED CRI/CCT	Downlight Optics	Reflector System	Voltage	Circuiting ¹	
<input type="radio"/> 830 - 80 CRI, 3000K <input checked="" type="radio"/> 835 - 80 CRI, 3500K <input type="radio"/> 840 - 80 CRI, 4000K <input type="radio"/> 930 - 90 CRI, 3000K <input type="radio"/> 935 - 90 CRI, 3500K <input type="radio"/> 940 - 90 CRI, 4000K <input type="radio"/> 8TW - 80 CRI, Tunable White <input type="radio"/> 9TW - 90 CRI, Tunable White	<input checked="" type="radio"/> F - Flush (standard)	<input checked="" type="radio"/> 96LG - 96 Low Gloss White	<input checked="" type="radio"/> 120 - 120 Voltage <input type="radio"/> 277 - 277 Voltage <input type="radio"/> 347 - 347 Voltage	<input checked="" type="radio"/> SC - Single Circuit* <small>One single circuit in a run</small> <input type="radio"/> MC - Multi-Circuit* <small>More than one switch leg or zone. Factory shop drawings required</small>	
				<small>* Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)</small>	

ELECTRICAL OPTIONS		MOUNTING OPTIONS		
Driver Selection		Mounting Method	Ceiling Hardware Type	
0-10V Driver Options <input type="radio"/> FC-10% - 0-10V 10% (standard) <input checked="" type="radio"/> FC-1% - 0-10V 1% <input type="radio"/> OTI-10% - EldoLED OTI, 0-10V 10% ² <input type="radio"/> OTI-1% - EldoLED OTI, 0-10V 1% ² <input type="radio"/> ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1% <input type="radio"/> 10V-TW-10% - EldoLED OTI, 0-10V 10% (Tunable White) ² DALI Driver Options <input type="radio"/> FC-DALI-1% - DALI 1% <input type="radio"/> DXL-DALI-1% - EldoLED Dexal, 1% <input type="radio"/> ELD-DALI-0% - EldoLED SOLOdrive, 0.1% <input type="radio"/> ELD-DALI-TW - EldoLED DUALdrive LightShape, 0.1% (Tunable White)		DMX Driver Options <input type="radio"/> FIN-DMX - Finelite DMX 1% (Tunable White - FineTune Controls Only) ³ <input type="radio"/> ELD-DMX - EldoLED POWERdrive, 0.1% <input type="radio"/> ELD-DMX-TW - EldoLED POWERdrive, 0.1% (Tunable White) Lutron Driver Options <input type="radio"/> LUT-ES1 - Lutron, Ecosystem 1% <input type="radio"/> LUT-TW - Lutron T-Series, EcoSystem 0.1% (Tunable White) <small>See Page 3 for additional driver options and details</small>	<input type="radio"/> FA50 - Fully Adjustable 50" (standard) <input type="radio"/> FA100 - Fully Adjustable 100" <input type="radio"/> FA150 - Fully Adjustable 150" <input type="radio"/> FA200 - Fully Adjustable 200" <input type="radio"/> FA250 - Fully Adjustable 250" <input type="radio"/> FA300 - Fully Adjustable 300" <input type="radio"/> FM - Flexible Mounting ⁴	<input type="radio"/> C1 - 15/16" T-Bar <input type="radio"/> C2 - 9/16" T-Bar <input type="radio"/> C3 - Screw Slot <input type="radio"/> C4 - Hard Ceiling <input type="radio"/> CIT - 15/16" Tegular <input type="radio"/> C2T - 9/16" Tegular
		COORDINATE FINAL MOUNTING REQUIREMENTS WITH SLATTED ROOF SYSTEM/ARCHITECTURAL ELEMENTS		

OTHER OPTIONS							
Endcap Style	Finish	Emergency Style (Optional)	Clear Selection	Integrated Sensor (Optional)	Clear Selection	Special Options (Optional)	Clear Selection
<input checked="" type="radio"/> FE - Flat Endcap (standard)	<input type="radio"/> SW - Signal White (standard) <input type="radio"/> FB - Finelite Black <input type="radio"/> SA - Satin Aluminum <input type="radio"/> #### - RAL Color Code ⁵ <div style="border: 1px solid red; padding: 5px; width: fit-content; margin-top: 10px;"> ARCHITECT TO SELECT FINISH </div>	<input type="radio"/> LGD18W - Legrand 18W Brand Battery Back-up <input type="radio"/> LGD10W - Legrand 10W Brand Battery Back-up <input type="radio"/> EM/GEN - Emergency to Generator <input type="radio"/> NL - Night Light <input type="radio"/> BSL722 - Bodine Battery Back up <input type="radio"/> BSL310LP - Bodine Battery Back up Low Profile <input type="radio"/> GTD - Generator Transfer Device <input type="radio"/> ALCR - Automatic Load Control Relay		<input type="radio"/> OBO - Occupancy <input type="radio"/> OBD - Daylight <input type="radio"/> W601 - Wattstopper ⁶ Wireless Sensor <input type="radio"/> OBE - Enlighted ⁷ <input type="radio"/> VOCC - Lutron Vive Wireless Sensor (VDO) ⁸ <input type="radio"/> VRF - Lutron Vive Radio Only ⁸		<input type="radio"/> CP - Chicago Plenum ⁹ <input type="radio"/> RLA - Red List Approved <input type="radio"/> RLD - Red List Declared	

¹ Contact factory for switching options
² Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)
³ B & V outputs only
⁴ Direct only
⁵ 20 business days lead time for color
⁶ LMF5-601 w/ 0-10V driver(s) and LMFL-111, up to 6 drivers may be connected. LMF5-601 w/ DALI driver, only 1 driver can be connected.
⁷ Enlighted components installed by Finelite, provided by others
⁸ Lutron Vive Integrated Sensors require a DALI driver
⁹ Only available with C1, C2, and C3 mounting hardware with Finelite Gridbox

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 6" Aperture (HP-6) Pendant

SUPPLEMENTARY DRIVER PAGE

0-10V Driver Options	
FC-10%	Factory Choice, 0-10V 10% Dimming (Linear)
FC-10%-DTO	Factory Choice, 0-10V 10% Dimming, Dim-to-Off (Linear)
FC-1%	Factory Choice, 0-10V 1% Dimming (Linear)
FC-1%-DTO	Factory Choice, 0-10V 1% Dimming, Dim-to-Off (Linear)
ELD-10V-0%	EldoLED SOLOdrive, 0-10V 0.1% Dimming (Linear)
ELD-10V-1%	EldoLED ECOdrive, 0-10V 1% Dimming (Linear)
10V-TW-10%	EldoLED OTi, 0-10V 10% Dimming, <i>Tunable White</i> (Linear)
10V-TW-10%-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off, <i>Tunable White</i> (Linear)
OTi-10%	EldoLED OTi, 0-10V 10% Dimming (Linear)
OTi-10%-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off (Linear)
OTi-1%	EldoLED OTi, 0-10V 1% Dimming (Linear)
OTi-1%-DTO	EldoLED OTi, 0-10V 1% Dimming, Dim-to-Off (Linear)

DALI Driver Options	
FC-DALI-1%	Factory Choice, DALI 1% Dimming (Logarithmic)
DXL-DALI-1%	EldoLED Dexal, DALI 1% Dimming (Logarithmic)
ELD-DALI-0%	EldoLED SOLOdrive, DALI 0.1% Dimming (Logarithmic)
ELD-DALI-1%	EldoLED ECOdrive, DALI 1% Dimming (Logarithmic)
ELD-DALI-TW	EldoLED DUALdrive Light Shape, DALI 0.1% Dimming, <i>Tunable White</i> (Logarithmic Dimming , Linear CCT Control)

DMX Driver Options	
FIN-DMX	Finelite, DMX 1% Dimming, <i>Tunable White</i> - FineTUNE Controls Only (Linear)
ELD-DMX	EldoLED POWERdrive, DMX 0.1% Dimming (8 Bit, 1CH) (Linear)
ELD-DMX-16	EldoLED POWERdrive, DMX 0.1% Dimming (16 Bit, 2CH) (Linear)
ELD-DMX-TW	EldoLED POWERdrive, DMX 0.1% Dimming, <i>Tunable White</i> (8 Bit, 2CH - CH1 Warm / CH2 Cool) (Linear)
ELD-DMX-TW16	EldoLED POWERdrive, DMX 0.1% Dimming, <i>Tunable White</i> (16 Bit, 4CH - CH1, 2 Warm / CH3, 4 Cool) (Linear)

Lutron Driver Options	
LUT-ES1	Lutron, Ecosystem 1% Dimming
LUT-TW	Lutron T-Series, EcoSystem 0.1% Dimming, <i>Tunable White</i>

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 6" Aperture (HP-6) Pendant

SPECIFICATIONS

BODY TYPE

CONSTRUCTION: Precision-cut 6061-T6 extruded aluminum body. Internal joiner system, plug-together wiring, standard.

LENGTHS: Any length, 2' minimum, in increments down to 1/16" (±1/32"). 12' maximum section length.

MITERED CORNERS: Fully illuminated 90° corners have internal secondary diffusers to ensure against light leaks. Custom angles are available (90° minimum on inside corners.) Consult factory for tailored lighting options.

OUTPUT AND LED TYPE

LIGHT OUTPUT: Lumen packages available for **HP-6 D:** Standard (**S**), Boosted Standard (**B**), High (**H**), and Very High (**V**). **HP-6 EO D:** High (**H**), Very High (**V**), and Extremely High (**X**). For Tailored Outputs outside of range from Standard (**S**) to Very High (**V**), consult factory. Light engines are replaceable.

MECHANICAL/OPTICAL OPTIONS

DOWNLIGHT OPTION: 12' maximum diffuser length. Flush frost white snap-in diffuser standard, 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination. Available with Flush (**F**) downlight diffuser. Consult factory for more tailored lumen outputs.

LUMEN MAINTENANCE: 90% of initial light output (L90) at 100,000+ hours; 70% of initial light output (L70) at 200,000+ hours.

REFLECTORS: Die-formed 24-gauge cold-rolled steel reflectors finished in 96LG High Reflectance white powder coat paint.

ELECTRICAL OPTIONS

STATIC WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed. 14-gauge feed used when luminaire current exceeds 5 amps.

TUNABLE WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed. 14-gauge feed used when fixture current exceeds 5 amps. DMX and power feed at same location (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths.

STATIC WHITE DRIVER: Replaceable 120V, 277V, and 347V constant current reduction dimming driver standard. Can be wired dimming or non-dimming. 0-10V dimming controls with a range of 100%-10% standard. Dimming to 1% available. Driver is fully accessible from below the ceiling.

- **Power Factor:** ≥ 0.9
- **Total Harmonic Distortion (THD):** <20%
- **Expected driver lifetime:** 100,000 hours

LUTRON STATIC DRIVER OPTIONS:

- **LUT-ES1 (LDE1)** - (Hi-Lume 1% EcoSystem with Soft-On, Fade-to-Black dimming (LDE1 series)).

TUNABLE WHITE DRIVER: Replaceable LED driver. Driver is accessible from below the ceiling. 120V, 277V, and 347V.

- **Power factor:** ≥0.90
- **Total Harmonic Distortion (THD):** <20%
- **Dimming Range:** 100%-10%
- **Expected driver lifetime:** 100,000 hours
- **FineTune DMX:** 1%

LUTRON TUNABLE WHITE DRIVER OPTION: LUT-TW (1% T-Series 2-Channel Digital Tunable White (PSQ Series)).

MOUNTING OPTIONS

HANGING HARDWARE: 50" Fully Adjustable (**FA**) plated steel aircraft cable with safety stop hardware standard. The Flexible Mounting Bracket (**FM**) adjusts the suspension points to accommodate existing architecture. Suspension points adjust up to 2' in from the end of 8' or 12' fixture lengths and up to 1' in on shorter lengths. Consult factory for tailored lighting options.

TUNABLE WHITE DMX HANGING HARDWARE: For grid ceiling applications the dual GridBox™ mounting is supplied (standard). For hard ceiling applications the ceiling mounting box is supplied (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths. Available DMX pendant feed lengths are 5' (standard), 12', and 30'.

Continued

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Page 4

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A brand of **legrand**

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 6" Aperture (HP-6) Pendant

SPECIFICATIONS

TUNABLE WHITE DMX INTERCONNECTION CABLES: Luminaires are pre-wired with plug-and-play interconnection cables to support easy plug-together joining of fixture runs. If a non-FineTune DMX system is specified, a DMX to RJ45 adapter is provided.

OTHER OPTIONS

ENDCAPS: Flat diecast aluminum endcaps (**FE**) add 1/4" to each end of luminaire.

EMERGENCY STYLE: Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver, backup battery.

TUNABLE WHITE ELECTRICAL OPTIONS¹:

- **TW Driver Options 0-10V:** EM/GEN, GTD or Battery Back up
- **FineTune DMX:** EM/GEN or Battery Back up
- **DMX:** Battery Back up
- **DALI:** EM/GEN, GTD or Battery Back up
- **LUTRON:** EM/GEN, GTD or Battery Back up

INTEGRATED SENSORS: Integrated PIR (Passive Infrared) Occupancy (**OBO**) or Daylight Sensors (**OBD**) available with Flush and Bottom Glow downlight diffusers. PIR sensors not recommended for stairwell applications. Refer to Occupancy Sensor & Daylight Sensor tech sheet and the Embedded Intelligence landing page for more information and additional sensor options.

Backup Battery

	Legrand 18W	Legrand 10W/ Bodine BSL310LP
HP6-P-D		
Min. Housing Length	6'	4'
EM Lumen Output	1885	1220
EM Section Illum.	2'	2' or 4'
HP6-EO-P-D		
Min. Housing Length	6**	4'
EM Lumen Output	2007	1193
EM Section Illum.	2'	4'

FINISHES: Finelite Signal White (**SW**) powder coat, Finelite Black (RAL 9005) with semi gloss fine texture (**FB**) and Satin Aluminum (**SA**) are standard. Optional Adders: 179 RAL colors².

LABELS: Luminaire and electrical components are ETL-listed conforming to UL 1598 in the U.S.A. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.130 (G), this luminaire contains an internal driver disconnect. UL 924 and UL 2108 - PoE options available on request. These fixtures are rated for Damp Location. Chicago Plenum options available for C1, C2, or C3 suspension using our GridBox. Finelite products use electronic components that are RoHS compliant, and the mechanical components of the luminaire have been verified to not knowingly contain any restricted substances listed per RoHS Directive 2015/863. Consult factory for tailored lighting options. Finelite makes the specification process easy when putting healthier products on your projects. Simply add - **RLA** (Red List Approved) or - **RLD** (Red List Declared) to your part number.

Bodine GTD and Legrand ALCR Min. Length

Configuration	Min Length
Generator	D-2'
Generator + OCC	D-2'
Daylight	D-2'
Generator + Daylight	D-2'

WEIGHT³: D - 3.6 lb/ft; EO D - 3.75 lb/ft

WARRANTY: 10-year performance-based warranty on all standard components. Optional accessories such as emergency battery packs are covered by their individual manufacturer warranties.

¹ Consult Finelite for Generator Transfer Device and Battery Backup fit

² 20 business days lead time for color

³ Excludes Battery Backup and Generator Transfer Device weight

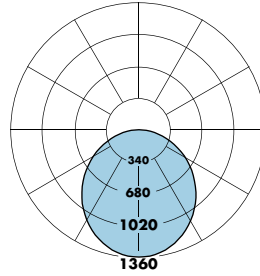
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 6" Aperture (HP-6) Pendant

Direct Photometry - 4' Luminaire 3500K

HP6-P-D-4'-V-835
Downlight: Flush Diffuser

Efficacy: 100 lm/W
Total luminaire output: 3769 lumens (942 lm/ft)
37.6 watts (9.4 W/ft)
Peak Candela Value: 1360 @ 0°
CRI: 80 / CCT: 3500K
ITL LM79 Report 86098

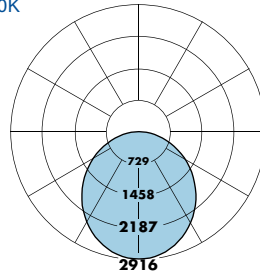


CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	FLUX
0	1360	1360	1360	1360	1360	1360
5	1353	1353	1353	1354	1354	129
15	1301	1293	1299	1300	1294	366
25	1193	1183	1192	1189	1185	547
35	1043	1034	1039	1036	1034	649
45	865	858	862	859	856	663
55	668	662	665	661	662	593
65	465	460	461	460	459	456
75	263	261	261	260	261	277
85	81	80	80	79	81	89
90	0	0	0	0	0	0

Enhanced Output Direct Photometry - 4' Luminaire 3500K

HP6 EO-P-D-4'-V-835
Downlight: Flush Diffuser

Efficacy: 110 lm/W
Total luminaire output: 8026 lumens (2007 lm/ft)
73.2 watts (18.3 W/ft)
Peak Candela Value: 2916 @ 0°
CRI: 80 / CCT: 3500K
ITL LM79 Report 89078



CANDELA DISTRIBUTION						
	0.0	22.5	45.0	67.5	90.0	FLUX
0	2915	2915	2915	2915	2915	2915
5	2092	2900	2900	2901	2900	276
15	2781	2765	2783	2784	2774	783
25	2542	2527	2544	2544	2535	1169
35	2218	2197	2217	2213	2208	1383
45	1833	1819	1832	1829	1825	1410
55	1414	1404	1413	1409	1408	1261
65	981	974	979	978	979	968
75	559	555	554	553	556	589
85	174	167	167	170	167	187
90	0	0	0	0	0	0

Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

HP-6 D				HP-6 EO D		
S ¹	B ¹	H ¹	V ²	H	V	X
1543	1940	2931	3769	6242	8026	9082

Light Output, 3500K, 80 CRI (Lumens Per Foot)

HP-6 D				HP-6 EO D		
S ¹	B ¹	H ¹	V ²	H	V	X
386	485	733	942	1561	2007	2271

Power, 3500K (Watts Per Foot)

HP-6 D				HP-6 EO D		
S ¹	B ¹	H ¹	V ²	H	V	X
3.7	4.7	7.2	9.4	14.0	18.3	21.1

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

HP-6 D				HP-6 EO D		
S ¹	B ¹	H ¹	V ²	H	V	X
105	104	102	100	111	110	108

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL report: 86098
³ Based on ITL report: 89078

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI

3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI

3000K	0.746
3500K	0.760
4000K	0.789

High Output (H), 4000K, 90 CRI

Lumen Adjustment Factor: 0.789

Total Light Output: 2931 lm x 0.789 = 2313 lm

Total Light Output per Foot: 733 lm/ft x 0.789 = 578 lm/ft.

watts/foot: 7.2 W/ft.

$$\text{Efficacy} = \frac{578 \frac{\text{lm}}{\text{ft.}}}{7.2 \frac{\text{W}}{\text{ft.}}} = 80 \text{ lm/W}$$

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

0-10V Tunable White

Finelite's award-winning, contractor friendly Tunable White luminaires are available at low cost, with powerful and simple 0-10V tuning and intensity controls.

TUNABLE WHITE FEATURES

- CCT range: 2700K - 6500K
- Dimming Range: 100% to 10%
- CRI Options: 80 CRI or 90 CRI

PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

POWER	CONVERSION FACTOR
	1.1X

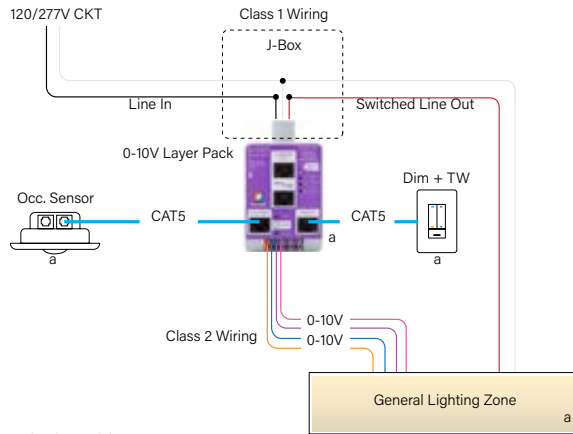
(Example: a 50 watt luminaire in static white would draw 55 watts using 0-10V Tunable White)

LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

Direct	Section Lengths											
	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	
Output S,B,H,V Single Circuit	Rows can be comprised of 2'-12' sections. Tailored lengths available.											
Integral Battery Backup (BSL310LP)							✓	✓	✓			

EN/GEN sections available for all body lengths

WIRING DIAGRAM - DIMMABLE TO 10%



Luminaire Wiring

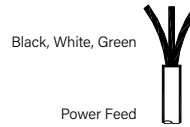
- **Purple (+) / Pink (-)** control wires are for intensity control
- **Orange (+) / Blue (-)** control wires are for Tunable White control

Note:

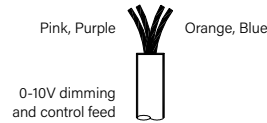
Load or Dim to Off options available.



DUAL FEED DETAIL



WIRING LEGEND		
Black	Hot	Line Voltage
White	Neutral	Line Voltage
Green	Ground	



WIRING LEGEND		
Pink	Dimming	0-10V DC
Purple	Dimming	0-10V DC
Orange	TW	0-10V DC
Blue	TW	0-10V DC

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

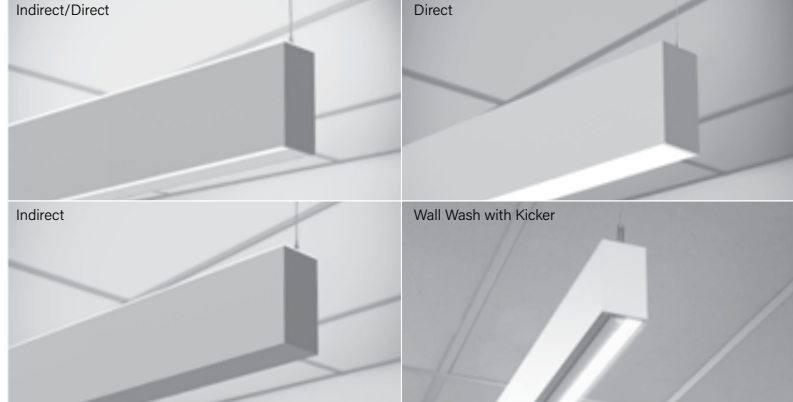
TYPE L15

FINELITE
Better Lighting

Home Order Specs Options Photometry Wall Setback Tunable White

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Pendant



High Performance 2" Aperture is a patented, linear LED luminaire family. HP-2 delivers excellent performance using an advanced optical design and mid-power LEDs. Achieving 90% of initial light output at 100,000+ hours and backed by a 10-year performance-based warranty on all standard components.

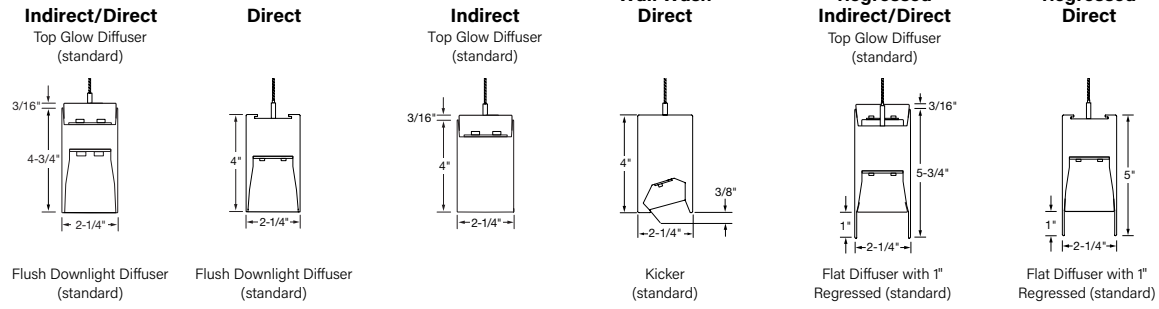
This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving **Red List Approved** and **Red List Declared** status.

PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

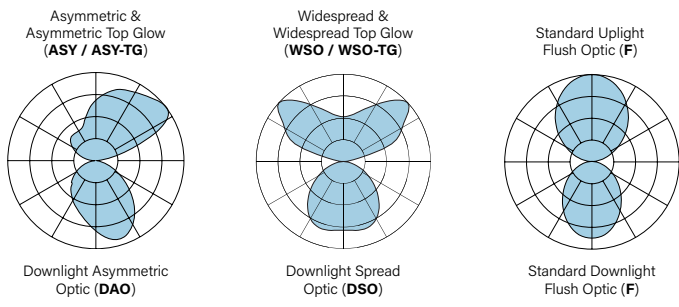
Signal White is standard finish

Note: see page 6 for all aesthetic options

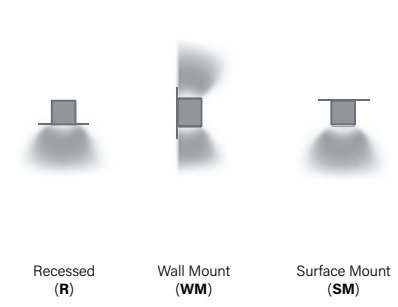
CROSS SECTIONS



OPTIC OPTIONS



ALSO AVAILABLE IN



Submitted by:		Date:	
Type:	Project:		
Ordering Info:			



Home Order Specs Options Photometry Wall Setback Tunable White

High Performance 2" Aperture (HP-2) Pendant

Clear Form

BODY TYPE			OUTPUT and LED TYPE			
Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Uplight Output ID & I Only (Flush)	Downlight Output ID & D Only (Flush)
<input checked="" type="radio"/> HP - High Performance	<input checked="" type="radio"/> 2	<input type="radio"/> P - Pendant <input type="radio"/> PRG - Pendant Regressed ¹ (Wall Wash not available)	<input checked="" type="radio"/> D - Direct <input type="radio"/> WW-D - Wall Wash Direct <input type="radio"/> ID - Indirect/Direct <input type="radio"/> I - Indirect	Minimum 2' section length. Increments accurate to 1/16" (±1/32"), standard. 12' maximum section length.	<input type="radio"/> S - Standard (393 lm/ft) <input type="radio"/> B - Boosted (494 lm/ft) <input type="radio"/> H - High (747 lm/ft) <input type="radio"/> V - Very High (961 lm/ft) <input type="radio"/> TL - Tailored: _____lm/ft*	<input checked="" type="radio"/> S - Standard (322 lm/ft) <input type="radio"/> B - Boosted (405 lm/ft) <input type="radio"/> H - High (612 lm/ft) <input type="radio"/> V - Very High (786 lm/ft) <input type="radio"/> TL - Tailored: _____m/ft*

Lumen provided above are for Flush lens only, see pg. 13 for WW lumens. 2ft. luminaires can only have one output only, **S** or **B**. No dual circuit or separate uplight/downlight. Uplight and downlight can be specified with different outputs and dual circuit on luminaires 3ft and longer. * Specify Tailored lm/ft of outputs between Standard (**S**) and Very High (**V**). Consult factory for tailored lumen output outside of this range.

OUTPUT and LED TYPE		MECHANICAL/OPTICAL OPTIONS		ELECTRICAL OPTIONS	
LED CRI/CCT	Uplight	Downlight	Reflector System	Voltage	
<input type="radio"/> 830 - 80 CRI, 3000K <input checked="" type="radio"/> 835 - 80 CRI, 3500K <input type="radio"/> 840 - 80 CRI, 4000K <input type="radio"/> 930 - 90 CRI, 3000K <input type="radio"/> 935 - 90 CRI, 3500K <input type="radio"/> 940 - 90 CRI, 4000K <input type="radio"/> 8TW - 80 CRI, Tunable White <input type="radio"/> 9TW - 90 CRI, Tunable White	<input type="radio"/> TG - Top Glow (standard) <input type="radio"/> F - Flush <input type="radio"/> WSO - Widespread Optic <input type="radio"/> WSOTG - Widespread Optic with Top Glow <input type="radio"/> ASY-L - Asymmetric Left Optic <input type="radio"/> ASY-R - Asymmetric Right Optic <input type="radio"/> ASYTG-L - Asymmetric Left Optic with Top Glow <input type="radio"/> ASYTG-R - Asymmetric Right Optic with Top Glow	<input checked="" type="radio"/> F - Flush (standard) ² <input type="radio"/> BG - Bottom Glow ² <input type="radio"/> DL - 1" Drop Down Lens ² <input type="radio"/> RG-D - Flat Diffuser with 1" Regress ^{2,3} <input type="radio"/> RG WCB - White Cross Blade Baffle ^{2,3} <input type="radio"/> RG-LHE - Hollowed Ellipse Louver ^{2,3} <input type="radio"/> RG-LHC - Hex Louver ^{2,3} <input type="radio"/> DSO - Downlight Spread Optic ^{2,4} <input type="radio"/> DAO-L - Downlight Asymmetric Optic Left ^{2,4} <input type="radio"/> DAO-R - Downlight Asymmetric Optic Right ^{2,4} <input type="radio"/> K - Kicker for Wall Wash only (standard) ⁵ <input type="radio"/> FO - Fully Open for Wall Wash only	<input checked="" type="radio"/> 96LG - 96 Low Gloss White <input type="radio"/> SW - Signal White for Wall Wash only	<input checked="" type="radio"/> 120 - 120 Voltage <input type="radio"/> 277 - 277 Voltage <input type="radio"/> 347 - 347 Voltage	

ELECTRICAL OPTIONS		MOUNTING OPTIONS	
Circuiting ⁶	Driver Selection ⁷	Mounting Method	
<input checked="" type="radio"/> SC - Single Circuit* One single circuit in a run <input type="radio"/> DC - Dual Circuit* Independent control of up and down separately in an I/D style fixture <input type="radio"/> MC - Multi-Circuit* More than one switch leg or zone (not "DC" independent control of up and down separately for an I/D style fixture). Factory shop drawings required	0-10V Driver Options <input type="radio"/> FC-10% - 0-10V 10% (standard) <input checked="" type="radio"/> FC-1% - 0-10V 1% <input type="radio"/> OTI-10% - EldoLED OTI, 0-10V 10% ⁸ <input type="radio"/> OTI-1% - EldoLED OTI, 0-10V 1% ⁸ <input type="radio"/> ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1% <input type="radio"/> 10V-TW-10% - EldoLED OTI, 0-10V 10% (Tunable White) ⁸ DALI Driver Options <input type="radio"/> FC-DALI-1% - DALI 1% <input type="radio"/> DXL-DALI-1% - EldoLED Dexal, 1% <input type="radio"/> ELD-DALI-0% - EldoLED SOLOdrive, DALI 0.1% <input type="radio"/> ELD-DALI-TW - EldoLED Dual Drive Light Shape, 1% (Tunable White)	DMX Driver Options <input type="radio"/> FIN-DMX - Finelite DMX 1% (Tunable White - FineTune Controls Only) ⁹ <input type="radio"/> ELD-DMX - EldoLED POWERdrive, 0.1% <input type="radio"/> ELD-DMX-TW - EldoLED POWERdrive, 0.1% (Tunable White) Lutron Driver Options <input type="radio"/> LUT-ES1 - Lutron, Ecosystem 1% <input type="radio"/> LUT-TW - Lutron T-Series, EcoSystem 0.1% (Tunable White)	<input type="radio"/> FA50 - Fully Adjustable 50" (standard) <input type="radio"/> FA100 - Fully Adjustable 100" <input type="radio"/> FA150 - Fully Adjustable 150" <input type="radio"/> FA200 - Fully Adjustable 200" <input type="radio"/> FA250 - Fully Adjustable 250" <input type="radio"/> FA300 - Fully Adjustable 300" <input type="radio"/> FM - Flexible Mounting ¹⁰

* Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)

See Page 3 for additional driver options and details

COORDINATE FINAL MOUNTING REQUIREMENTS WITH SLATTED ROOF SYSTEM/ARCHITECTURAL ELEMENTS

MOUNTING OPTIONS		OTHER OPTIONS						
Ceiling Hardware Type	Endcap Style	Finish	Emergency Style (Optional) <small>See page 5 Backup Battery table</small>	Clear Selection	Integrated Sensor (Optional) ¹⁴	Clear Selection	Special Options (Optional)	Clear Selection
<input type="radio"/> C1 - 15/16" T-Bar <input type="radio"/> C2 - 9/16" T-Bar <input type="radio"/> C3 - Screw Slot <input type="radio"/> C4 - Hard Ceiling <input type="radio"/> C1T - 15/16" Tegular <input type="radio"/> C2T - 9/16" Tegular	<input type="radio"/> FE - Flat Endcap (standard) <input type="radio"/> DE - 1" Drop Endcap ¹¹ <input type="radio"/> OE - Open Endcap ¹²	<input type="radio"/> SW - Signal White (standard) <input type="radio"/> FB - Finelite Black <input type="radio"/> SA - Satin Aluminum <input type="radio"/> #### - RAL Color Code ¹³	<input type="radio"/> LGD18W - Legrand 18W Brand Battery Back-up <input type="radio"/> LGD10W - Legrand 10W Brand Battery Back-up <input type="radio"/> EM/GEN - Emergency to Generator <input type="radio"/> NL - Night Light <input type="radio"/> BSL310LP - Bodine Battery Back up Low Profile <input type="radio"/> GTD - Generator Transfer Device <input type="radio"/> ALCR - Automatic Load Control Relay	<input type="radio"/> OBO - Occupancy ^{1,2} <input type="radio"/> OBD - Daylight ² <input type="radio"/> W601 - Wattstopper Wireless Sensor ¹⁵ <input type="radio"/> OBE - Enlighted ^{2,16} <input type="radio"/> REE - Remote Enlighted ¹⁷ <input type="radio"/> VOCC - Lutron Vive Wireless Sensor (VDO) ^{1,19} <input type="radio"/> VRF - Lutron Vive Radio Only ^{1,19}	<input type="radio"/> CP - Chicago Plenum ¹⁸ <input type="radio"/> RLA - Red List Approved <input type="radio"/> RLD - Red List Declared			

FINISH TO BE SELECTED BY ARCHITECT

¹ Not available with Indirect
² Not available with Wall Wash
³ D & ID Regressed only
⁴ Not available with Regressed or Curves
⁵ Kicker standard in Signal White. Customer Custom color kickers have a surcharge
⁶ Contact factory for switching options
⁷ For Indirect/Direct lengths 3' and greater, separate dimming for uplight and downlight available
⁸ Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)
⁹ B & V outputs only
¹⁰ Direct only
¹¹ 1" Drop Down Lens downlight only
¹² Available with Hollowed Ellipse Louver (LHE) only
¹³ 20 business days lead time for color
¹⁴ Minimum fixture length: Direct and Indirect with a sensor is 3ft. Indirect/Direct with a sensor is 4ft.
¹⁵ LMFS-601 w/ 0-10V driver(s) and LMFI-111, up to 6 drivers may be connected. LMFS-601 w/ DALI driver, only 1 driver can be connected.
¹⁶ Enlighted components installed by Finelite, provided by others
¹⁷ Enlighted for Wall Wash luminaires. Enlighted Control Unit & Sensor Cable installed for Remote mounting sensor
¹⁸ Only available with C1, C2, and C3 mounting hardware with Finelite Gridbox
¹⁹ Lutron Vive Integrated Sensors require a DALI driver

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Pendant

SUPPLEMENTARY DRIVER PAGE

0-10V Driver Options	
FC-10%	Factory Choice, 0-10V 10% Dimming (Linear)
FC-10%-DTO	Factory Choice, 0-10V 10% Dimming, Dim-to-Off (Linear)
FC-1%	Factory Choice, 0-10V 1% Dimming (Linear)
FC-1%-DTO	Factory Choice, 0-10V 1% Dimming, Dim-to-Off (Linear)
ELD-10V-0%	EldoLED SOLOdrive, 0-10V 0.1% Dimming (Linear)
ELD-10V-1%	EldoLED ECOdrive, 0-10V 1% Dimming (Linear)
10V-TW-10%	EldoLED OTi, 0-10V 10% Dimming, <i>Tunable White</i> (Linear)
10V-TW-10%-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off, <i>Tunable White</i> (Linear)
OTi-10%	EldoLED OTi, 0-10V 10% Dimming (Linear)
OTi-10%-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off (Linear)
OTi-1%	EldoLED OTi, 0-10V 1% Dimming (Linear)
OTi-1%-DTO	EldoLED OTi, 0-10V 1% Dimming, Dim-to-Off (Linear)

DALI Driver Options	
FC-DALI-1%	Factory Choice, DALI 1% Dimming (Logarithmic)
DXL-DALI-1%	EldoLED Dexal, DALI 1% Dimming (Logarithmic)
ELD-DALI-0%	EldoLED SOLOdrive, DALI 0.1% Dimming (Logarithmic)
ELD-DALI-1%	EldoLED ECOdrive, DALI 1% Dimming (Logarithmic)
ELD-DALI-TW	EldoLED DUALdrive Light Shape, DALI 0.1% Dimming, <i>Tunable White</i> (Logarithmic Dimming , Linear CCT Control)

DMX Driver Options	
FIN-DMX	Finelite, DMX 1% Dimming, <i>Tunable White - FineTUNE Controls Only</i> (Linear)
ELD-DMX	EldoLED POWERdrive, DMX 0.1% Dimming (8 Bit, 1CH) (Linear)
ELD-DMX-16	EldoLED POWERdrive, DMX 0.1% Dimming (16 Bit, 2CH) (Linear)
ELD-DMX-TW	EldoLED POWERdrive, DMX 0.1% Dimming, <i>Tunable White</i> (8 Bit, 2CH - CH1 Warm / CH2 Cool) (Linear)
ELD-DMX-TW16	EldoLED POWERdrive, DMX 0.1% Dimming, <i>Tunable White</i> (16 Bit, 4CH - CH1, 2 Warm / CH3, 4 Cool) (Linear)

Lutron Driver Options	
LUT-ES1	Lutron, Ecosystem 1% Dimming
LUT-TW	Lutron T-Series, EcoSystem 0.1% Dimming, <i>Tunable White</i>

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Pendant

SPECIFICATIONS

BODY TYPE

CONSTRUCTION: Precision-cut 6061-T6 extruded aluminum body. Internal joiner system and plug-together wiring are standard.

LENGTHS: Any length, 2' minimum, in increments down to 1/16th" (±1/32"). 12' maximum section length. Hollowed Ellipse Louver (LHE), Hex Louver (LHC), and White Cross Blade Baffle (WCB) are available in 1' increments.

MITERED CORNERS¹: Illuminated corners of greater than 60° and less than 180° in a single plane, available with Flush Diffuser, Bottom Glow Diffuser, Regressed Diffuser, or White Cross Blade Baffle³. Corners not available with Wall Wash (WW), Hollowed Ellipse Louver (LHE), Hex Louver (LHC) or 1" Drop Down Lens. Contact factory for Double miters using the White Cross Blade Baffle. Consult factory for tailored lighting options.

OUTPUT AND LED TYPE

LIGHT OUTPUT: Four lumen packages available, Standard (S), Boosted Standard (B), High (H), and Very High (V). 2' can only have one driver. 2' cannot have different lumen packages for uplight and downlight, cannot be dual circuit, and cannot be H or V output. For lengths 3' and greater, the uplight and downlight can be specified with different lumen packages and dual controls. For Tailored Outputs outside of range from Standard (S) to Very High (V), consult factory. Light engines are replaceable.

MECHANICAL/OPTICAL OPTIONS

UPLIGHT OPTION⁴: Patented Top Glow frost white diffuser standard. 12' maximum diffuser length. 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination options include: Flush frost white snap-in diffuser, 73% transmissive, 99% diffusion; Widespread Optic (WSO) and Widespread Optic with Top Glow (WSOTG); WSO enables increased luminaire spacing with improved ceiling uniformity. Asymmetric optic directs light in a specific direction. **ASY-L** distributes light to the left, **ASY-R** distributed light to the right of the luminaire. Consult factory for more tailored lumen outputs.

DOWNLIGHT OPTION⁵: 12' maximum diffuser length. Flush frost white snap-in diffuser standard, 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination. Available with Flush (F), Bottom Glow (BG), 1" Drop Down Lens (DL), White Cross Blade Baffle (WCB)⁷, Hollowed Ellipse Louver (LHE)⁷, Hex Louver (LHC)⁷, Downlight Spread Optic (DSO)⁶, Downlight Asymmetric Optic (DAO)⁶, and Regressed downlight diffusers (RG)⁷. 1" Drop Down Lens made of highly efficient acrylic. Available with a solid endcap or an endcap with a diffuse filler to continue the luminous aesthetic. Downlight Spread & Downlight Asymmetric Optics are extruded lenses with a subtle ribbed appearance providing a batwing or asymmetric distribution for improved optical performance. Consult factory for more tailored lumen outputs.

LUMEN MAINTENANCE: 90% of initial light output (L90) at 100,000+ hours; 70% of initial light output (L70) at 200,000+ hours.

REFLECTORS: Die-formed 20-gauge cold-rolled steel reflectors finished in 96LG High Reflectance white powder coat paint. The standard Semi-Specular Aluminum (SSA) Kicker (K) reflector delivers light high on the vertical surface. The Kicker reflector can be easily removed for open distribution (FO).

ELECTRICAL OPTIONS

STATIC WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed controlling uplight and downlight together (power and dimming). Specify dual feeds for independent control of uplight and downlight. 14-gauge feed used when luminaire current exceeds 5 amps.

TUNABLE WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed. 14-gauge feed used when fixture current exceeds 5 amps. DMX and power feed at same location (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths.

STATIC WHITE DRIVER: Replaceable 120V, 277V, and 347V constant current reduction dimming driver standard. Can be wired dimming or non-dimming. 0-10V dimming controls with a range of 100%-10% standard. Dimming to 1% available. Separate dimming for uplight and downlight available. Driver is fully accessible from below the ceiling.

- Power Factor: ≥ 0.9
- Total Harmonic Distortion (THD): <20%
- Expected Driver Lifetime: 100,000 hours

LUTRON STATIC DRIVER OPTIONS:

- LUT-ES1 (LDE1) - (Hi-lume 1% EcoSystem with Soft-On, Fade-to-Black dimming (LDE1 series))

TUNABLE WHITE DRIVER: Replaceable LED driver. Driver is accessible from below the ceiling. 120V, 277V, and 347V.

- Power factor: ≥0.90
- Total Harmonic Distortion (THD): <20%
- Dimming Range: 100%-10%
- Expected Driver Lifetime.: 100,000 hours
- FineTune DMX: 1%

LUTRON TUNABLE WHITE DRIVER OPTION: LUT-TW (0.1% T-Series 2-Channel Digital Tunable White (PSQ Series)).

MOUNTING OPTIONS

HANGING HARDWARE: 50" Fully Adjustable (FA) plated steel aircraft cable with safety stop hardware standard. The Flexible Mounting Bracket (FM) adjusts the suspension points to accommodate existing architecture. Suspension points adjust up to 2' in from the end of 8' or 12' fixture lengths and up to 1' in on shorter lengths. Consult factory for tailored lighting options.

¹ Not available with Wall Wash

² Indirect/Direct and Direct only

³ White Cross Blade (WCB) baffles not available with custom angles. Available in 90 degrees only

⁴ Pendant Indirect/Direct, Pendant Regressed Indirect/Direct, and Pendant Indirect only

⁵ Pendant Indirect/Direct, Pendant Regressed Indirect/Direct, Pendant Direct, and

Pendant Regressed Direct only

⁶ Not available with Regressed or Curves

⁷ Pendant Regressed Indirect/Direct & Pendant Regressed Direct only

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Pendant

SPECIFICATIONS

TUNABLE WHITE DMX HANGING HARDWARE: For grid ceiling applications the dual GridBox™ mounting is supplied (standard). For hard ceiling applications the ceiling mounting box is supplied (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths. Available DMX pendant feed lengths are 5' (standard), 12', and 30'.

TUNABLE WHITE DMX INTERCONNECTION CABLES: Luminaires are pre-wired with plug-and-play interconnection cables to support easy plug-together joining of fixture runs. If a non-FineTune DMX system is specified, a DMX to RJ45 adapter is provided.

OTHER OPTIONS

ENDCAPS: Flat diecast aluminum endcaps (**FE**) add 1/4" to each end of luminaire. 1" Drop Down Lens Endcap (**DE**)⁷ includes diffuse element to continue luminance of drop lens. Open Endcap (**OE**) is for use with the Hollowed Ellipse Louver (**LHE**); following the curve of the louver.

EMERGENCY STYLE: Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver, backup battery.

Backup Battery		
	Legrand 18W	Legrand 10W/ Bodine BSL310LP
HP2-P-D		
Min. Housing Length	8*	4**
EM Lumen Output	1608	956
EM Section Illuminated	2'	2' or 4'
HP2-P-WW-D		
Min. Housing Length	8*	4*
EM Lumen Output	1500	891
EM Section Illuminated	4'	4'

* Minimum fixture housing length for battery pack approved without sensor
** Exception: 5' not available, 6'+ okay

Backup Battery		
	Legrand 18W	Legrand 10W/ Bodine BSL310LP
HP2-P-ID		
Min. Housing Length	12'	8'
EM Lumen Output	1608	956
EM Section Illuminated	2'	2' or 4'
HP2-P-I		
Min. Housing Length	8*	4*
EM Lumen Output	1874	956
EM Section Illuminated	2'	2' or 4'

* Minimum fixture housing length for battery pack approved without sensor

⁸ Consult Finelite for Generator Transfer Device and Battery Back up fit
⁹ 20 business days lead time for color
¹⁰ Excludes Battery Back up and Generator Transfer Device weight

Bodine GTD and Legrand ALCR Min. Length	
Configuration	Min Length
Generator	D-4'; ID-6'
Generator + OCC	D-6'; ID-8'
Daylight	D-4'; ID-6'
Generator + Daylight	D-6'; ID-8'

TUNABLE WHITE ELECTRICAL OPTIONS*:

- **TW Driver Options 0-10V:** EM/GEN, GTD or Battery Back up
- **FineTune DMX:** EM/GEN or Battery Back up
- **DMX:** Battery Back up
- **DALI:** EM/GEN, GTD or Battery Back up
- **LUTRON:** EM/GEN, GTD or Battery Back up

INTEGRATED SENSORS: Integrated PIR (Passive Infrared) Occupancy (**OBO**) or Daylight Sensors (**OBD**) available with Flush and Bottom Glow downlight diffusers. PIR sensors not recommended for stairwell applications. Refer to Occupancy Sensor & Daylight Sensor tech sheet and the Embedded Intelligence landing page for more information and additional sensor options. Minimum fixture length: Direct and Indirect with a sensor is 3ft. Indirect/Direct with a sensor is 4ft.

FINISHES: Finelite Signal White (**SW**) powder coat, Finelite Black (**RAL 9005**) with semi gloss fine texture (**FB**), and Satin Aluminum (**SA**) are standard. Optional Adder: 179 RAL colors⁹ are available.

LABELS: Luminaire and electrical components are ETL-listed conforming to UL 1598 in the U.S.A. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.130 (G), this luminaire contains an internal driver disconnect. UL 924 and UL 2108 - PoE options available on request. These luminaires are rated for Damp Location. Chicago Plenum options available for C1, C2, or C3 suspension using our GridBox. HP-2 can be used to comply with 2016 Title 24, Part 6 (JA8); high efficacy LED light source requirements. Finelite products use electronic components that are RoHS compliant, and the mechanical components of the luminaire have been verified to not knowingly contain any restricted substances listed per RoHS Directive 2015/863. Consult factory for tailored lighting options. Finelite makes the specification process easy when putting healthier products on your projects. Simply add - RLA (Red List Approved) or - RLD (Red List Declared) to your part number.

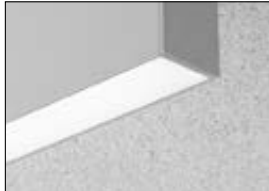
WEIGHT¹⁰: ID - 2.9 lb/ft; D - 2.3 lb/ft; I - 2.3 lb/ft; WW - 2.9 lb/ft

WARRANTY: 10-year performance-based warranty on all standard components. Optional accessories such as emergency battery packs are covered by their individual manufacturer warranties.

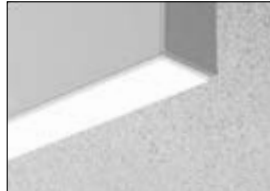
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High Performance 2" Aperture (HP-2) Pendant

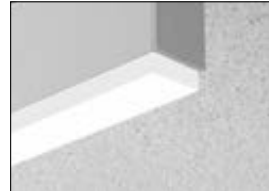
AESTHETIC OPTIONS



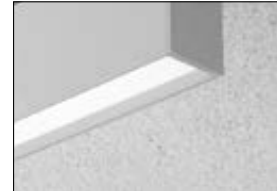
Flush Diffuser (F)



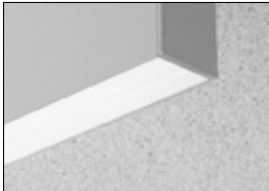
Bottom Glow Diffuser (BG)



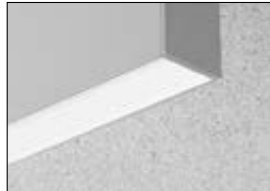
1" Drop Down Lens (DL)



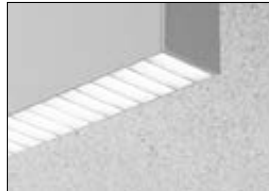
Flat Diffuser with 1" Regressed (RG-D)



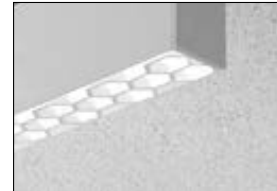
Downlight Asymmetric Optic (DAO)¹
Externally flush



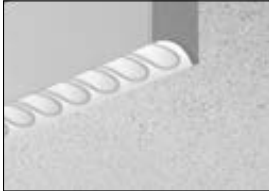
Downlight Spread Optic (DSO)¹
Externally flush



White Cross Blade Baffle¹ (RG-WCB)



Hex Louver² (RG-LHC)



Hollowed Ellipse Louver² (RG-LHE)



Kicker (K) - Wall Wash only

¹ With a subtle ribbed appearance providing specialized distribution
² Regressed only. Not available with Wall Wash

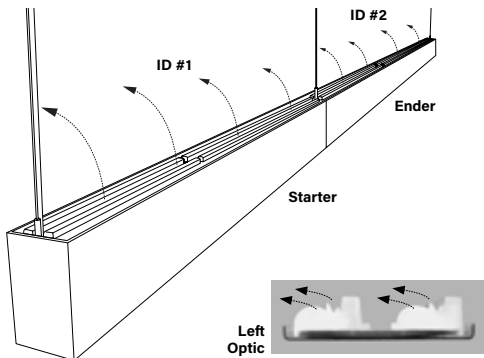
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Pendant

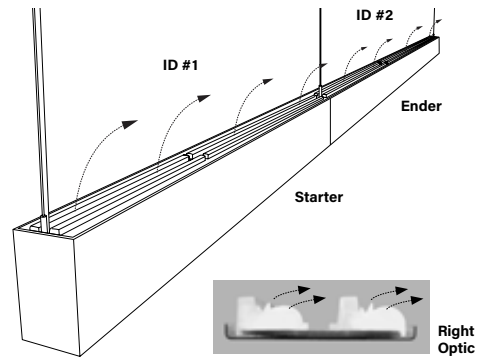
ASYMMETRIC OPTIONS

Use this tool to understand how to specify Asymmetric for your project. The diagrams below show a linear run from power feed to ender. Specify ASY-L distributes light to the left or ASY-R distributes light to the right.

Asymmetric Left Optic (ASY-L)



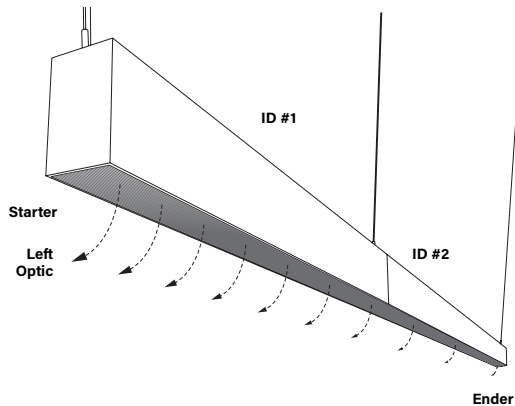
Asymmetric Right Optic (ASY-R)



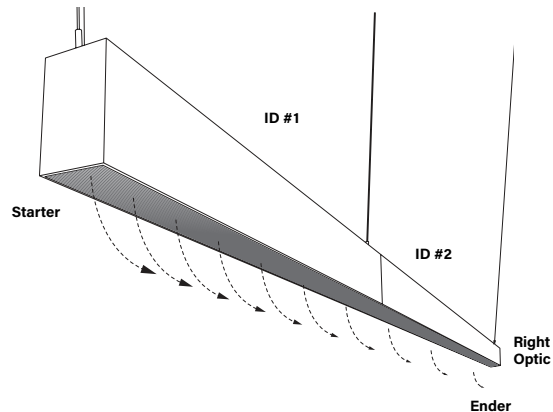
DOWNLIGHT ASYMMETRIC OPTIONS

Use this tool to understand how to specify Downlight Asymmetric for your project. The diagrams below show a linear run from power feed to ender. Specify DAO-L distributes light to the left or DAO-R distributes light to the right.

Downlight Asymmetric Optic Left (DAO-L)



Downlight Asymmetric Optic Right (DAO-R)



PREINSTALLED LABEL



For DAO, Preinstalled label on diffuser shows direction of light. Remove after installation.

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

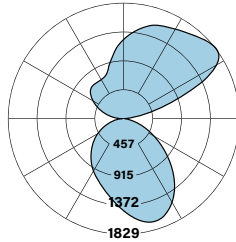
High Performance 2" Aperture (HP-2) Pendant

Indirect/Direct Photometry - 4' Luminaire 3500K

HP2-P-ID-4'-V-V-835-ASY-R-DAO-R

Uplight: Asymmetric Right Optic
Downlight: Downlight Asymmetric Optic - Right

Distribution: 53% Up (V) / 47% Down (V)
Efficacy: 112 lm/W
Uplight: 4301 lumens (1075 lumens/foot)
Downlight: 3742 lumens (936 lumens/foot)
Total luminaire output: 8043 lumens (2011 lm/ft)
72 watts (18 W/ft)
Peak Candela Value: 1829 @ 127.5°
CRI: 80 / CCT: 3500K
ITL LM79 Report REP-051921-01



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	3292 [153% 47%↓]	3745 [159% 41%↓]	4877 [169% 31%↓]	5833 [174% 26%↓]
1B ¹	3686 [148% 52%↓]	4139 [153% 47%↓]	5271 [163% 36%↓]	6227 [169% 31%↓]
1H ¹	4671 [138% 62%↓]	5124 [143% 57%↓]	6256 [154% 46%↓]	7211 [160% 40%↓]
1V ²	5503 [132% 68%↓]	5955 [137% 63%↓]	7087 [147% 53%↓]	8043 [153% 47%↓]

Light Output, 3500K, 80 CRI (Lumens Per Foot)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	823	936	1219	1458
1B ¹	922	1035	1318	1557
1H ¹	1168	1281	1564	1803
1V ²	1376	1489	1772	2011

Power, 3500K (Watts Per Foot)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	7.0	8.0	10.4	12.5
1B ¹	8.0	9.0	11.4	13.5
1H ¹	10.4	11.4	13.8	15.9
1V ²	12.5	13.5	15.9	18.0

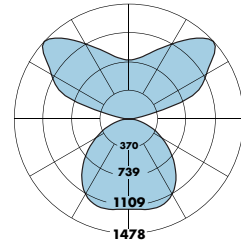
Efficacy, 3500K, 80 CRI (Lumens Per Watt)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	117	117	117	116
1B ¹	115	116	116	116
1H ¹	112	113	113	113
1V ²	110	111	111	112

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL reports: 89456, 94139

HP2-P-ID-4'-V-V-835-WSO-DSO

Uplight: Widespread Optic
Downlight: Downlight Spread Optic

Distribution: 55% Up (V) / 45% Down (V)
Efficacy: 101 lm/W
Uplight: 4018 lumens (1105 lumens/foot)
Downlight: 3273 lumens (818 lumens/foot)
Total luminaire output: 7291 lumens (1823 lm/ft)
72 watts (18 W/ft)
Peak Candela Value: 1457 @ 135°
CRI: 80 / CCT: 3500K
ITL LM79 Report 89456 and 94139



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	2985 [155% 45%↓]	3408 [160% 40%↓]	4465 [170% 30%↓]	5358 [175% 25%↓]
1B ¹	3329 [149% 51%↓]	3752 [155% 45%↓]	4809 [165% 35%↓]	5702 [170% 30%↓]
1H ¹	4191 [139% 61%↓]	4614 [145% 55%↓]	5671 [155% 45%↓]	6564 [161% 39%↓]
1V ²	4918 [133% 67%↓]	5341 [138% 62%↓]	6398 [149% 51%↓]	7291 [155% 45%↓]

Light Output, 3500K, 80 CRI (Lumens Per Foot)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	746	852	1116	1340
1B ¹	832	938	1202	1426
1H ¹	1048	1154	1418	1641
1V ²	1230	1335	1600	1823

Power, 3500K (Watts Per Foot)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	7.1	8.0	10.5	12.6
1B ¹	8.0	9.0	11.4	13.5
1H ¹	10.4	11.4	13.8	15.9
1V ²	12.5	13.4	15.9	18.0

Efficacy, 3500K, 80 CRI (Lumens Per Watt)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	106	107	107	107
1B ¹	104	105	105	105
1H ¹	101	102	103	103
1V ²	99	99	101	101

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL reports: 89456, 94139

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI	
3000K	0.746
3500K	0.760
4000K	0.789

High Output (H) / Standard Output (S), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789
Total Light Output: 4465 lm x 0.789 = 3523 lm
Total Light Output per Foot: 1116 lm/ft x 0.789 = 881 lm/ft.
watts/foot: 10.5 W/ft.
Efficacy = $\frac{881 \frac{\text{lm}}{\text{ft.}}}{10.5 \frac{\text{W}}{\text{ft.}}} = 84 \text{ lm/W}$

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Pendant

Indirect/Direct Photometry - 4' Luminaire 3500K

HP2-P-ID-V-V-835-F-F

Uplight: Flush Diffuser / **Downlight:** Flush Diffuser

Distribution: 55% Up (V) / 45% Down (V)

Efficacy: 95 lm/W

Uplight: 3813 lumens (953 lumens/foot)

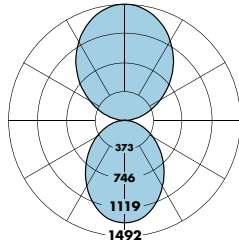
Downlight: 3175 lumens (794 lumens/foot)

Total luminaire output: 6988 lumens (1747 lm/ft)
73.8 watts (18.5 W/ft)

Peak Candela Value: 1492 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85132



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	2861 (155% 45%↓)	3262 (160% 40%↓)	4265 (170% 30%↓)	5113 (175% 25%↓)
1B ¹	3195 (149% 51%↓)	3596 (155% 45%↓)	4600 (165% 35%↓)	5447 (170% 30%↓)
1H ¹	4030 (139% 61%↓)	4432 (144% 56%↓)	5435 (155% 45%↓)	6282 (161% 39%↓)
1V ²	4736 (133% 67%↓)	5137 (138% 62%↓)	6141 (148% 52%↓)	6988 (155% 45%↓)

Light Output, 3500K, 80 CRI (Lumens Per Foot)

	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	715	815	1066	1278
1B ¹	799	899	1150	1362
1H ¹	1008	1108	1359	1571
1V ²	1184	1284	1535	1747

Power, 3500K (Watts Per Foot)

	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	7.2	8.2	10.7	12.8
1B ¹	8.2	9.2	11.7	13.8
1H ¹	10.7	11.7	14.2	16.3
1V ²	12.8	13.8	16.3	18.5

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	99	99	100	100
1B ¹	97	98	99	99
1H ¹	94	95	96	96
1V ²	92	93	94	95

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

² Based on ITL report: 89132

HP2-P-RG-ID-V-V-835-F

Uplight: Flush Diffuser / **Downlight:** Regressed Diffuser

Distribution: 59% Up (V) / 41% Down (V)

Efficacy: 99 lm/W

Uplight: 4304 lumens (1076 lumens/foot)

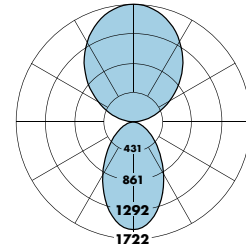
Downlight: 2928 lumens (732 lumens/foot)

Total luminaire output: 7232 lumens (1808 lm/ft)
73.2 watts (18.3 W/ft)

Peak Candela Value: 1722 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 90352



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	2960 (160% 40%↓)	3414 (165% 35%↓)	4546 (174% 26%↓)	5503 (178% 22%↓)
1B ¹	3269 (154% 46%↓)	3722 (160% 40%↓)	4854 (169% 31%↓)	5811 (174% 26%↓)
1H ¹	4039 (144% 56%↓)	4492 (149% 51%↓)	5625 (160% 40%↓)	6581 (165% 35%↓)
1V ²	4690 (138% 62%↓)	5143 (143% 57%↓)	6276 (153% 47%↓)	7232 (159% 41%↓)

Light Output, 3500K, 80 CRI (Lumens Per Foot)

	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	740	853	1137	1376
1B ¹	817	930	1214	1453
1H ¹	1123	1406	1645	1645
1V ²	1172	1286	1569	1808

Power, 3500K (Watts Per Foot)

	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	7.2	8.1	10.6	12.7
1B ¹	8.1	9.1	11.6	13.7
1H ¹	10.6	11.6	14.0	16.2
1V ²	12.7	13.7	16.2	18.3

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	103	105	107	108
1B ¹	100	102	105	106
1H ¹	95	97	100	102
1V ²	92	94	97	99

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

² Based on ITL report: 90352

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI	
3000K	0.746
3500K	0.760
4000K	0.789

High Output (H) / Standard Output (S), 4000K, 90 CRI

Lumen Adjustment Factor: 0.789

Total Light Output: 4265 lm x 0.789 = 3365 lm

Total Light Output per Foot: 1066 lm/ft x 0.789 = 841 lm/ft.

watts/foot: 10.7 W/ft.

$$\text{Efficacy} = \frac{841 \frac{\text{lm}}{\text{ft.}}}{10.57 \frac{\text{W}}{\text{ft.}}} = 78.6 \text{ lm/W}$$

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Pendant

Indirect/Direct Photometry - 4' Luminaire 3500K

HP2-P-ID-V-V-835-WSO-F

Uplight: Widespread Optic / **Downlight:** Fluse Diffuser

Distribution: 55% Up (V) / 45% Down (V)

Efficacy: 101 lm/W

Uplight: 4018 lumens (1005 lumens/foot)

Downlight: 3312 lumens (828 lumens/foot)

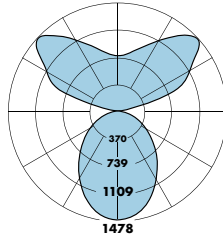
Total luminaire output: 7330 lumens (1833 lm/ft)

74.5 watts (18.6 W/ft)

Peak Candela Value: 1461 @ 0°

CRI: 80 / CCT: 3500K

ITL LM79 Report 89456



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	3001 (155% 45%↓)	3424 (160% 40%↓)	4481 (170% 30%↓)	5374 (175% 25%↓)
1B ¹	3349 (149% 51%↓)	3772 (155% 45%↓)	4830 (165% 35%↓)	5722 (170% 30%↓)
1H ¹	4221 (139% 61%↓)	4644 (144% 56%↓)	5701 (155% 45%↓)	6594 (161% 39%↓)
1V ²	4957 (133% 67%↓)	5380 (138% 62%↓)	6437 (148% 52%↓)	7330 (155% 45%↓)

Light Output, 3500K, 80 CRI (Lumens Per Foot)

	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	750	856	1120	1343
1B ¹	837	943	1207	1431
1H ¹	1055	1161	1425	1649
1V ²	1239	1345	1609	1833

Power, 3500K (Watts Per Foot)

	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	7.1	8.1	10.5	12.6
1B ¹	8.1	9.0	11.5	13.6
1H ¹	10.5	11.5	13.9	16.0
1V ²	12.6	13.6	16.0	18.1

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	106	106	107	107
1B ¹	104	105	105	105
1H ¹	100	101	102	103
1V ²	98	99	100	101

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

¹ Family Correlation based on 4' Luminaire 3500K Very High Output (V) test - 120V.

² Based on ITL report: 89456

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI	
3000K	0.746
3500K	0.760
4000K	0.789

High Output (H) / Standard Output (S), 4000K, 90 CRI

Lumen Adjustment Factor: 0.789

Total Light Output: 4481 lm x 0.789 = 3536 lm

Total Light Output per Foot: 1120 lm/ft x 0.789 = 884 lm/ft.

watts/foot: 10.5 W/ft.

$$\text{Efficacy} = \frac{884 \frac{\text{lm}}{\text{ft.}}}{10.5 \frac{\text{W}}{\text{ft.}}} = 84 \text{ lm/W}$$

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Pendant

Direct Photometry - 4' Luminaire 3500K

HP2-P-D-4'-V-835-DSO

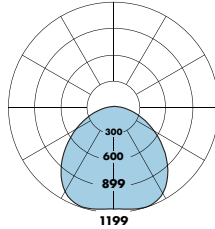
Downlight: Downlight Spread Optic

Efficacy: 92 lm/W

Total luminaire output: 3273 lumens (818 lm/ft)
35.7 watts (8.9 W/ft)

Peak Candela Value: 1199 @ 17.5°

CRI: 80 / CCT: 3500K
ITL LM79 Report 94139



HP2-P-D-4'-V-835-F

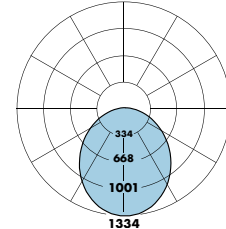
Downlight: Flush Diffuser

Efficacy: 87 lm/W

Total luminaire output: 3215 lumens (804 lm/ft)
36.9 watts (9.2 W/ft)

Peak Candela Value: 1334 @ 0°

CRI: 80 / CCT: 3500K
ITL LM79 Report 85136



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

S ¹	B ¹	H ¹	V ²
1340	1684	2546	3273

Light Output, 3500K, 80 CRI (Lumens Per Foot)

S ¹	B ¹	H ¹	V ²
335	421	636	818

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.5	4.4	6.8	8.9

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

S ¹	B ¹	H ¹	V ²
96	95	93	92

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL report: 94139

Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

S ¹	B ¹	H ¹	V ²
1316	1655	2501	3215

Light Output, 3500K, 80 CRI (Lumens Per Foot)

S ¹	B ¹	H ¹	V ²
329	414	625	804

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.6	4.6	7.1	9.2

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

S ¹	B ¹	H ¹	V ²
91	90	88	87

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL report: 85136

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI	
3000K	0.746
3500K	0.760
4000K	0.789

High Output (H) / Standard Output (S), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789
Total Light Output: 2546 lm x 0.789 = 2009 lm
Total Light Output per Foot: 636 lm/ft x 0.789 = 502 lm/ft.
watts/foot: 6.8 W/ft.

$$\text{Efficacy} = \frac{502 \frac{\text{lm}}{\text{ft.}}}{6.8 \frac{\text{W}}{\text{ft.}}} = 74 \text{ lm/W}$$

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

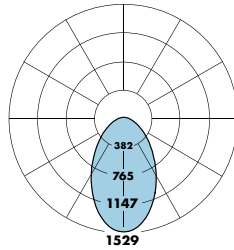
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Pendant

Direct Photometry - 4' Luminaire 3500K

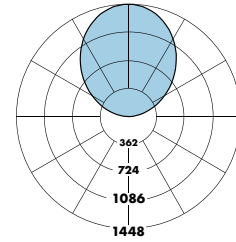
HP2-P RG-D-V-835-RG
Downlight: Regressed Diffuser

Efficacy: 79 lm/W
Total luminaire output: 2887 lumens (722 lm/ft)
36.7 watts (9.2 W/ft)
Peak Candela Value: 1529 @ 0°
CRI: 80 / CCT: 3500K
ITL LM79 Report 90350



HP2-P-I-V-835-F
Uplight: Flush Diffuser

Efficacy: 102 lm/W
Total luminaire output: 3749 lumens (937 lm/ft)
36.7 watts (9.2 W/ft)
Peak Candela Value: 1448 @ 180°
CRI: 80 / CCT: 3500K
ITL LM79 Report 85134



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

S ¹	B ¹	H ¹	V ²
1182	1486	2245	2887

Light Output, 3500K, 80 CRI (Lumens Per Foot)

S ¹	B ¹	H ¹	V ²
295	371	561	722

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.6	4.6	7.0	9.2

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

S ¹	B ¹	H ¹	V ²
82	81	80	79

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL report: 90350

Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

S ¹	B ¹	H ¹	V ²
1535	1929	2916	3749

Light Output, 3500K, 80 CRI (Lumens Per Foot)

S ¹	B ¹	H ¹	V ²
384	482	729	937

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
3.6	4.6	7.0	9.2

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

S ¹	B ¹	H ¹	V ²
107	106	104	102

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL report: 85134

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI	
3000K	0.746
3500K	0.760
4000K	0.789

High Output (H) / Standard Output (S), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789
Total Light Output: 2245 lm x 0.789 = 1771 lm
Total Light Output per Foot: 561 lm/ft x 0.789 = 443 lm/ft.
watts/foot: 7.0 W/ft.

$$\text{Efficacy} = \frac{443 \frac{\text{lm}}{\text{ft.}}}{7.0 \frac{\text{W}}{\text{ft.}}} = 63 \text{ lm/W}$$

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Pendant

Wall Wash Direct Photometry - 4' Luminaire 3500K

HP2-P-WW-D-K-V-835

Downlight: With Kicker

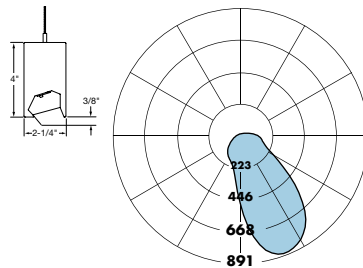
Efficacy: 77 lm/W

Total luminaire output: 1500 lumens (375 lm/ft)
19.6 watts (4.9 W/ft)

Peak Candela Value: 882 @ 25°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85137



		CANDELA DISTRIBUTION				
		0.0	22.5	45.0	67.5	90.0
FLUX						
0	485	485	485	485	485	
5	652	606	483	378	342	47
15	863	790	470	251	219	145
25	882	829	442	201	184	231
35	795	764	397	168	152	282
45	581	629	333	133	105	277
55	326	436	251	86	62	217
65	196	250	167	43	24	144
75	158	145	88	7	0	87
85	124	97	24	0	0	50
90	93	68	0	0	0	

Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire

S ¹	B ¹	H ¹	V ²
614	772	1167	1500

Light Output, 3500K, 80 CRI (Lumens Per Foot)

S ¹	B ¹	H ¹	V ²
154	193	292	375

Power, 3500K (Watts Per Foot)

S ¹	B ¹	H ¹	V ²
2.0	2.5	3.8	4.9

Efficacy, 3500K, 80 CRI (Lumens Per Watt)

S ¹	B ¹	H ¹	V ²
76	77	77	77

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI

3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI

3000K	0.746
3500K	0.760
4000K	0.789

High Output (H), 4000K, 90 CRI

Lumen Adjustment Factor: 0.789

Total Light Output: 1167 lm x 0.789 = 921 lm

Total Light Output per Foot: 292 lm/ft x 0.789 = 230 lm/ft.

watts/foot: 3.8 W/ft.

$$\text{Efficacy} = \frac{230 \frac{\text{lm}}{\text{ft.}}}{3.8 \frac{\text{W}}{\text{ft.}}} = 60.5 \text{ lm/W}$$

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output

¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.

² Based on ITL report: 85137

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Page 13

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Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Pendant

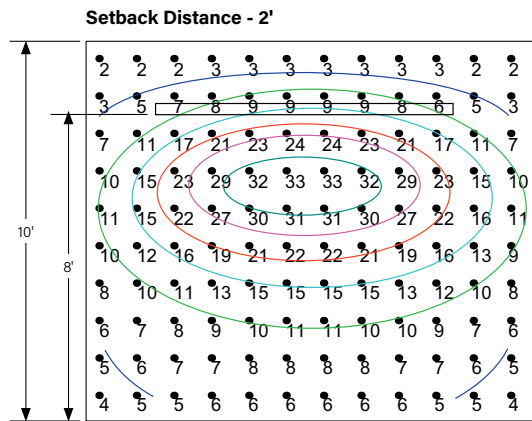
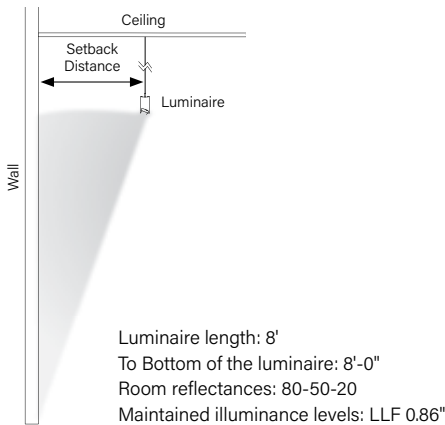
Wall Wash Direct - Setback Info and Application Data

HP2-WW-D-K-4'-V-835

Downlight: With Kicker

Total luminaire output: 1206 lumens (302 lm/ft)
19.6 watts (4.9 W/ft)

CRI: 80 / CCT: 3500K



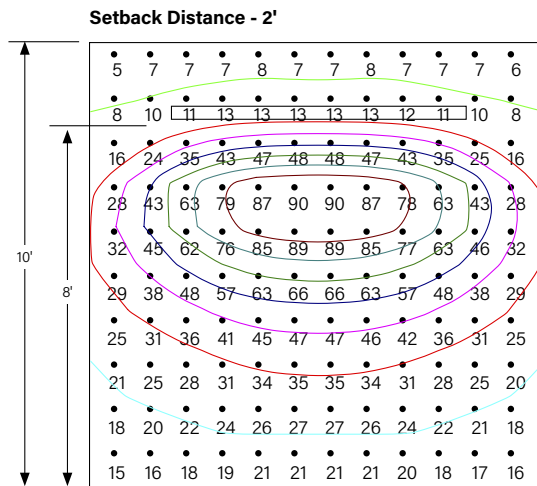
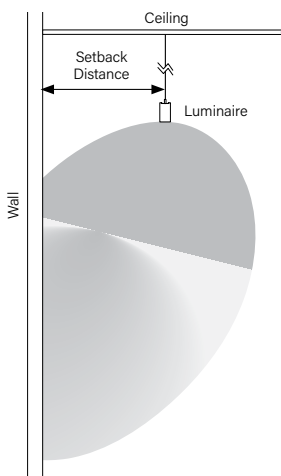
Downlight Asymmetric Optic - Setback Info and Application Data

HP2-P-D-4ft-V-835-DAO

Downlight: DAO

Total luminaire output: 3742 lumens (936 lm/ft)
35.6 watts (8.9 W/ft)

CRI: 80 / CCT: 3500K



Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Page 14

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

0-10V Tunable White

Finelite's award-winning, contractor friendly Tunable White luminaires are available at low cost, with powerful and simple 0-10V tuning and intensity controls.

TUNABLE WHITE FEATURES

- CCT range: 2700K - 6500K
- Dimming Range: 100% to 10%
- CRI Options: 80 CRI or 90 CRI

PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

POWER	CONVERSION FACTOR
	1.1X

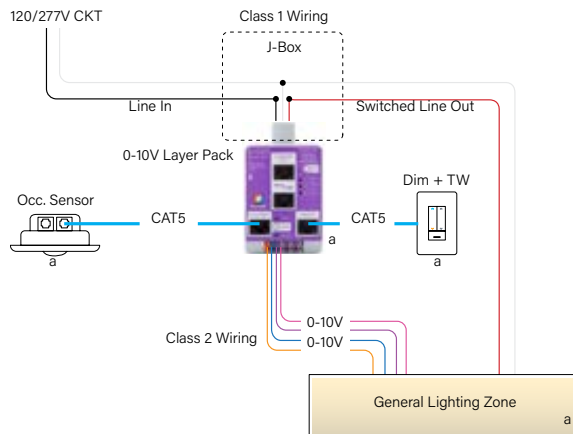
(Example: a 50 watt luminaire in static white would draw 55 watts using 0-10V Tunable White)

LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

Direct	Section Lengths											
	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	
Output S,B,H,V Single Circuit	Rows can be comprised of 2'-12' sections. Tailored lengths available.											
Integral Battery Backup (BSL310LP)							✓		✓		✓	
Indirect/Direct												
Output S,B Single Circuit	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Integral Battery Backup (BSL310LP)							✓		✓		✓	
Output H,V Single Circuit			✓				✓				✓	
Integral Battery Not Available	Remote Battery backup solution available. Consult factory for tailored lighting options.											
Output S,B,H,V Dual Circuit			✓				✓				✓	
Integral Battery Not Available	Remote Battery backup solution available. Consult factory for tailored lighting options.											

EN/GEN sections available for all body lengths

WIRING DIAGRAM - DIMMABLE TO 10%



Luminaire Wiring

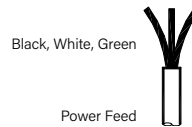
- **Purple (+) / Pink (-)** control wires are for intensity control
- **Orange (+) / Blue (-)** control wires are for Tunable White control

Note:

Load or Dim to Off options available.



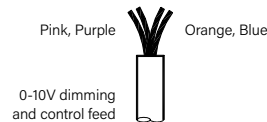
DUAL FEED DETAIL



Black, White, Green

Power Feed

WIRING LEGEND		
Black	Hot	Line Voltage
White	Neutral	Line Voltage
Green	Ground	



0-10V dimming and control feed

WIRING LEGEND		
Pink	Dimming	0-10V DC
Purple	Dimming	0-10V DC
Orange	TW	0-10V DC
Blue	TW	0-10V DC

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Page 15

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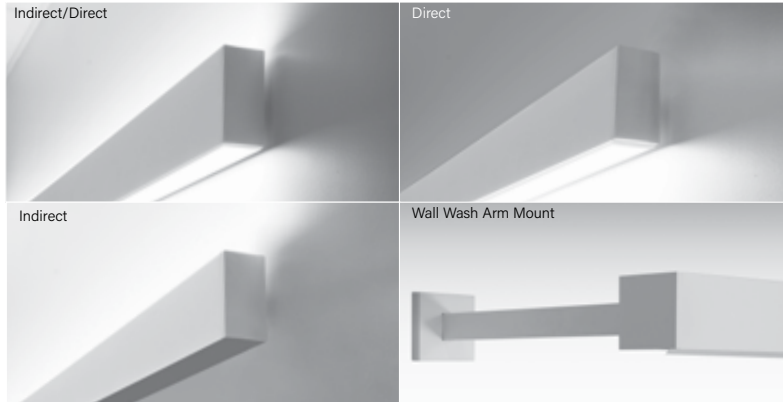
TYPE L16

FINELITE
Better Lighting

Home Order Specs Options Photometry Wall Setback Tunable White

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount



High Performance 2" Aperture is a patented, linear LED luminaire family. HP-2 delivers excellent performance using an advanced optical design and mid-power LEDs. Achieving 90% of initial light output at 100,000+ hours and backed by a 10-year performance-based warranty on all standard components.

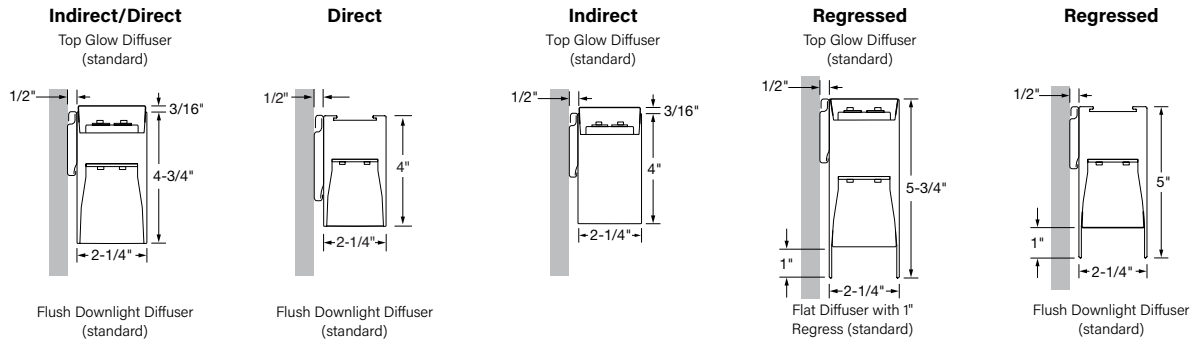
This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving **Red List Approved** and **Red List Declared** status.

PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

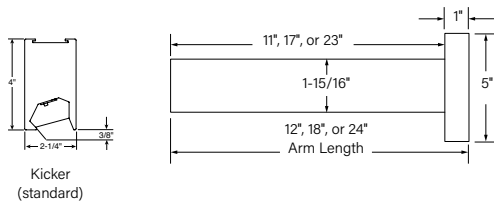
Signal White is standard finish

Note: see page 6 for all aesthetic options

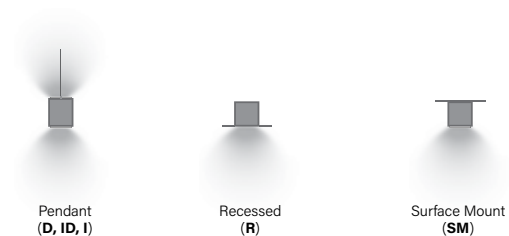
CROSS SECTIONS



Wall Wash Arm Mount



ALSO AVAILABLE IN



Also available in Indigo-Clean. See Indigo-Clean Tech Sheet

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Page 1

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A brand of **legrand**

Submitted by:		Date:
Type:	Project:	
Ordering Info:		



Home Order Specs Options Photometry Wall Setback Tunable White

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Clear Form

BODY TYPE				OUTPUT AND LED TYPE		
Platform	Series Name	Luminaire Type	Luminaire Distribution	Total Length of Run	Uplight Output ID & I Only (Flush)	Downlight Output ID & D Only (Flush)
<input checked="" type="radio"/> HP - High Performance	<input checked="" type="radio"/> 2	<input type="radio"/> WM - Wall Mount ¹ <input type="radio"/> WM RG - Wall Mount Regressed ¹ <input type="radio"/> AM - Arm Mount <input type="radio"/> AM RG - Arm Mount Regressed	Wall Mount <input type="radio"/> D - Direct <input type="radio"/> ID - Indirect/Direct <input type="radio"/> I - Indirect Arm Mount <input type="radio"/> D - Direct <input type="radio"/> ID - Indirect/Direct <input type="radio"/> I - Indirect (Not available for AM RG) <input type="radio"/> WW-D - Wall Wash Direct (Not available for AM RG)	Minimum 2' section length. Increments accurate to 1/16" (±1/32"), standard. 12' maximum section length.	<input type="radio"/> S - Standard (393 lm/ft) <input type="radio"/> B - Boosted (494 lm/ft) <input type="radio"/> H - High (747 lm/ft) <input type="radio"/> V - Very High (961 lm/ft) <input type="radio"/> TL - Tailored: lm/ft*	<input type="radio"/> S - Standard (322 lm/ft) <input type="radio"/> B - Boosted (405 lm/ft) <input type="radio"/> H - High (612 lm/ft) <input type="radio"/> V - Very High (786 lm/ft) <input type="radio"/> TL - Tailored: lm/ft*

Lumen provided above are for Flush lens only, see pg. 13 for WW lumens. 2ft. luminaires can only have one output only, S or B. No dual circuit or separate uplight/downlight. Uplight and downlight can be specified with different outputs and dual circuit on luminaires 3ft and longer.
* Specify Tailored lm/ft of outputs between Standard (S) and Very High (V). Consult factory for tailored lumen output outside of this range.

OUTPUT AND LED TYPE		MECHANICAL/OPTICAL OPTIONS		
LED CRI/CCT	Uplight	Downlight	Reflector System	
<input type="radio"/> 830 - 80 CRI, 3000K <input checked="" type="radio"/> 835 - 80 CRI, 3500K <input type="radio"/> 840 - 80 CRI, 4000K <input type="radio"/> 930 - 90 CRI, 3000K <input type="radio"/> 935 - 90 CRI, 3500K <input type="radio"/> 940 - 90 CRI, 4000K <input type="radio"/> 8TW - 80 CRI, Tunable White <input type="radio"/> 9TW - 90 CRI, Tunable White	<input type="radio"/> TG - Top Glow (standard) <input type="radio"/> F - Flush <input type="radio"/> ASY-L - Asymmetric Left Optic <input checked="" type="radio"/> ASY-R - Asymmetric Right Optic <input type="radio"/> ASYTG-L - Asymmetric Left Optic with Top Glow <input type="radio"/> ASYTG-R - Asymmetric Right Optic with Top Glow <input type="radio"/> WSO - Widespread Optic <input type="radio"/> WSOTG - Widespread Optic with Top Glow	<input checked="" type="radio"/> F - Flush (standard) ¹ <input type="radio"/> BG - Bottom Glow ¹ <input type="radio"/> DL - 1" Drop Down Lens ¹ <input type="radio"/> RG-D - Flat Diffuser with 1" Regress ^{1,2} <input type="radio"/> RG-WCB - White Cross Blade Baffle ^{1,2} <input type="radio"/> RG-LHE - Hollowed Ellipse Louver ^{1,2} <input type="radio"/> RG-LHC - Hex Louver ^{1,2} <input type="radio"/> DAO-L - Downlight Asymmetric Optic Left ³ <input type="radio"/> DAO-R - Downlight Asymmetric Optic Right ³ <input type="radio"/> K - Kicker for Wall Wash only (standard) ⁴ <input type="radio"/> FO - Fully Open for Wall Wash only	<input checked="" type="radio"/> 96LG - 96 Low Gloss White <input type="radio"/> SW - Signal White for Wall Wash only	

ELECTRICAL OPTIONS			MOUNTING OPTIONS		
Voltage	Circuiting ⁵	Driver Selection	Mounting Method		
<input checked="" type="radio"/> 120 - 120 Voltage <input type="radio"/> 277 - 277 Voltage <input type="radio"/> 347 - 347 Voltage	<input checked="" type="radio"/> SC - Single Circuit* One single circuit in a run <input type="radio"/> DC - Dual Circuit* ⁶ Independent control of up and down separately in an I/D style fixture <input type="radio"/> MC - Multi-Circuit* More than one switch leg or zone. Factory shop drawings required * Battery, Night Light, and Emergency to Generator circuits are in addition to the normal luminaire circuit(s)	0-10V Driver Options <input type="radio"/> FC-10% - 0-10V 10% (standard) <input checked="" type="radio"/> FC-1% - 0-10V 1% <input type="radio"/> OTI-10% - EldoLED OTI, 0-10V 10% ⁷ <input type="radio"/> OTI-1% - EldoLED OTI, 0-10V 1% ⁷ <input type="radio"/> ELD-10V-0% - EldoLED SOLOdrive, 0-10V 0.1% <input type="radio"/> 10V-TW-10% - EldoLED OTI, 0-10V 10% (Tunable White) ⁷ DALI Driver Options <input type="radio"/> FC-DALI-1% - DALI 1% <input type="radio"/> DXL-DALI-1% - EldoLED Dexal, 1% <input type="radio"/> ELD-DALI-0% - EldoLED SOLOdrive, 0.1% <input type="radio"/> ELD-DALI-TW - EldoLED DUALdrive LightShape, 0.1% (Tunable White)	DMX Driver Options <input type="radio"/> FIN-DMX - Finelite DMX 1% (Tunable White FineTune Controls Only) ⁸ <input type="radio"/> ELD-DMX - EldoLED POWERdrive, 0.1% <input type="radio"/> ELD-DMX-TW - EldoLED POWERdrive, 0.1% (Tunable White) Lutron Driver Options <input type="radio"/> LUT-ES1 - Lutron, Ecosystem 1% <input type="radio"/> LUT-TW - Lutron T-Series, EcoSystem 0.1% (Tunable White) See Page 3 for additional driver options and details		<input checked="" type="radio"/> MB - Mounting Bracket ⁹ <input type="radio"/> AM12 - 12" ¹⁰ <input type="radio"/> AM18 - 18" ¹⁰ <input type="radio"/> AM24 - 24" ¹⁰

FINISH TO BE SELECTED BY ARCHITECT

OTHER OPTIONS				
Endcap Style	Finish	Emergency Style (Optional) <small>See page 6 Backup Battery table</small>	Integrated Sensor (Optional) ¹⁴	Special Options (Optional)
<input type="radio"/> FE - Flat Endcap (standard) <input type="radio"/> DE - 1" Drop Endcap ¹¹ <input type="radio"/> OE - Open Endcap ¹²	<input type="radio"/> SW - Signal White (standard) <input type="radio"/> FB - Finelite Black <input type="radio"/> SA - Satin Aluminum <input type="radio"/> #### - RAL Color Code ¹³	<input type="radio"/> LGD18W - Legrand 18W Brand Battery Back-up <input type="radio"/> LGD10W - Legrand 10W Brand Battery Back-up <input type="radio"/> EM/GEN - Emergency to Generator <input type="radio"/> NL - Night Light <input type="radio"/> BSL310LP - Bodine Battery Back up Low Profile <input type="radio"/> GTD - Generator Transfer Device <input type="radio"/> ALCR - Automatic Load Control Relay	<input type="radio"/> OBO - Occupancy ¹ (Not available with Indirect) <input type="radio"/> OBD - Daylight ¹ <input type="radio"/> W601 - Wattstopper Wireless Sensor ¹⁵ <input type="radio"/> OBE - Enlighted ^{1,16} <input type="radio"/> REE - Remote Enlighted ¹⁷ <input type="radio"/> VOCC - Lutron Vive Wireless Sensor (VDO) ¹⁸ <input type="radio"/> VRF - Lutron Vive Radio Only ¹⁸	<input type="radio"/> RLA - Red List Approved <input type="radio"/> RLD - Red List Declared

¹ Not available for Wall Wash
² D & ID Regressed only
³ Not available with regressed
⁴ Kicker standard in Signal White. Customer Custom color kickers have a surcharge
⁵ Contact factory for switching options
⁶ Indirect/Direct only
⁷ Add DTO to gain "Dim to Off" functionality (FC-10% - DTO, FC-1% - DTO)
⁸ B & V outputs only
⁹ Wall Mount only
¹⁰ Arm Mount only
¹¹ 1" Drop Down Lens downlight only
¹² Available with Hollowed Ellipse Louver (LHE) only
¹³ 20 Business days lead time for color
¹⁴ Minimum fixture length: Direct and Indirect with a sensor is 3ft. Indirect/Direct with a sensor is 4ft.
¹⁵ LMFS-601 w/ 0-10V driver(s) and LMF1-11, up to 6 drivers may be connected. LMFS-601 w/ DALI driver, only 1 driver can be connected.
¹⁶ Enlighted components installed by Finelite, provided by others.
¹⁷ Enlighted for Wall Wash fixtures. Enlighted Control Unit & Sensor Cable installed for Remote mounting sensor.
¹⁸ Lutron Vive Integrated Sensors require a DALI driver. Not available with Indirect.
 Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Submitted by:		Date:
Type:	Project:	
Ordering Info:		



High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

SUPPLEMENTARY DRIVER PAGE

0-10V Driver Options	
FC-10%	Factory Choice, 0-10V 10% Dimming (Linear)
FC-10%-DTO	Factory Choice, 0-10V 10% Dimming, Dim-to-Off (Linear)
FC-1%	Factory Choice, 0-10V 1% Dimming (Linear)
FC-1%-DTO	Factory Choice, 0-10V 1% Dimming, Dim-to-Off (Linear)
ELD-10V-0%	EldoLED SOLOdrive, 0-10V 0.1% Dimming (Linear)
ELD-10V-1%	EldoLED ECOdrive, 0-10V 1% Dimming (Linear)
10V-TW-10%	EldoLED OTi, 0-10V 10% Dimming, <i>Tunable White</i> (Linear)
10V-TW-10%-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off, <i>Tunable White</i> (Linear)
OTi-10%	EldoLED OTi, 0-10V 10% Dimming (Linear)
OTi-10%-DTO	EldoLED OTi, 0-10V 10% Dimming, Dim-to-Off (Linear)
OTi-1%	EldoLED OTi, 0-10V 1% Dimming (Linear)
OTi-1%-DTO	EldoLED OTi, 0-10V 1% Dimming, Dim-to-Off (Linear)

DALI Driver Options	
FC-DALI-1%	Factory Choice, DALI 1% Dimming (Logarithmic)
DXL-DALI-1%	EldoLED Dexal, DALI 1% Dimming (Logarithmic)
ELD-DALI-0%	EldoLED SOLOdrive, DALI 0.1% Dimming (Logarithmic)
ELD-DALI-1%	EldoLED ECOdrive, DALI 1% Dimming (Logarithmic)
ELD-DALI-TW	EldoLED DUALdrive Light Shape, DALI 0.1% Dimming, <i>Tunable White</i> (Logarithmic Dimming , Linear CCT Control)

DMX Driver Options	
FIN-DMX	Finelite, DMX 1% Dimming, <i>Tunable White</i> - FineTUNE Controls Only (Linear)
ELD-DMX	EldoLED POWERdrive, DMX 0.1% Dimming (8 Bit, 1CH) (Linear)
ELD-DMX-16	EldoLED POWERdrive, DMX 0.1% Dimming (16 Bit, 2CH) (Linear)
ELD-DMX-TW	EldoLED POWERdrive, DMX 0.1% Dimming, <i>Tunable White</i> (8 Bit, 2CH - CH1 Warm / CH2 Cool) (Linear)
ELD-DMX-TW16	EldoLED POWERdrive, DMX 0.1% Dimming, <i>Tunable White</i> (16 Bit, 4CH - CH1, 2 Warm / CH3, 4 Cool) (Linear)

Lutron Driver Options	
LUT-ES1	Lutron, Ecosystem 1% Dimming
LUT-TW	Lutron T-Series, EcoSystem 0.1% Dimming, <i>Tunable White</i>

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

SPECIFICATIONS

BODY TYPE

CONSTRUCTION: Precision-cut 6061-T6 extruded aluminum body. Internal joiner system and plug-together wiring are standard.

LENGTHS: Any length, 2' minimum, in increments down to 1/16th" (±1/32"). 12' maximum section length. Hollowed Ellipse Louver (**LHE**), Hex Louver (**LHC**), and White Cross Blade Baffle (**WCB**) are available in 1' increments.

MITERED CORNERS¹: Illuminated corners of greater than 60° and less than 180° in a single plane, available with Flush Diffuser, Bottom Glow Diffuser, Regressed Diffuser, or White Cross Blade Baffle³. Corners not available with Wall Wash (**WW-D**), Hollowed Ellipse Louver (**LHE**), Hex Louver (**LHC**), 1" Drop Down Lens. Contact factory for Double miters using the White Cross Blade Baffle. Consult factory for tailored lighting options.

OUTPUT AND LED TYPE

LIGHT OUTPUT: Four lumen packages available, Standard (**S**), Boosted Standard (**B**), High (**H**), and Very High (**V**). For lengths 3' and greater, the uplight and downlight can be specified with different lumen packages and dual controls. For Tailored Outputs outside of range from Standard (**S**) to Very High (**V**), consult factory. Light engines are replaceable.

MECHANICAL/OPTICAL OPTIONS

UPLIGHT OPTION⁴: Patented Top Glow frost white diffuser standard. 12' maximum diffuser length. 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination Optional: Flush frost white snap-in diffuser, 73% transmissive, 99% diffusion; Widespread Optic (**WSO**) and Widespread Optic with Top Glow (WSOTG); WSO enables increased luminaire spacing with improved ceiling uniformity. Asymmetric optic directs light in a specific direction. **ASY-L** distributes light to the left, **ASY-R** distributed light to the right of the luminaire. Consult factory for more tailored lumen outputs.

DOWNLIGHT OPTION⁵: 12' maximum diffuser length. Flush frost white snap-in diffuser standard, 73% transmissive, 99% diffusion. Internal secondary diffusers at corners ensure visually seamless, uniform, continuous illumination. Available with Flush (**F**), Bottom Glow (**BG**), 1" Drop Down Lens (**DL**), White Cross Blade Baffle (**WCB**)⁶, Hollowed Ellipse Louver (**LHE**)⁶, Hex Louver (**LHC**)⁶, Downlight Asymmetric Optic (**DAO**)⁷, and Regressed downlight diffusers (**RG**). 1" Drop Down Lens made of highly efficient acrylic. Available with a solid endcap or an endcap with a diffuse filler to continue the luminous aesthetic. Downlight Asymmetric Optic is an extruded lens with a subtle ribbed appearance providing an asymmetric distribution for improved optical performance. Consult factory for more tailored lumen outputs.

LUMEN MAINTENANCE: 90% of initial light output (L90) at 100,000+ hours; 70% of initial light output (L70) at 200,000+ hours.

REFLECTORS: Wall Mount: Die-formed 20-gauge cold-rolled steel reflectors finished in 96LG High Reflectance white power coat paint. **Arm Mount:** The standard Signal White (**SW**) Kicker (**K**) reflector delivers light high on the vertical surface. The Kicker reflector can be easily removed for open distribution (**FO**).

ELECTRICAL FEATURES

STATIC WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed controlling uplight and downlight together (power and dimming). Specify dual feeds for independent control of uplight and downlight. 14-gauge feed used when luminaire current exceeds 5 amps.

TUNABLE WHITE FEED: Standard with one 18-gauge/5-conductor single-circuit feed. 14-gauge feed used when luminaire current exceeds 5 amps. DMX and power feed at same location (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths.

STATIC WHITE DRIVER: Replaceable 120V, 277V, and 347V Constant Current Reduction dimming driver standard. Can be wired dimming or non-dimming. 0-10V dimming controls with a range of 10%- 100% standard. Dimming to 1% available. Separate dimming for uplight and downlight available. Driver is fully accessible from below the ceiling.

- Power Factor: ≥ 0.9
- Total Harmonic Distortion (THD): <20%
- Expected driver lifetime: 100,000 hours

LUTRON DRIVER OPTIONS:

- LUT-ES1 (LDE1) - (Hi-Lume 1% EcoSystem with Soft-On, Fade-to-Black dimming (LDE1 series))

TUNABLE WHITE DRIVER: Replaceable LED driver. Driver is accessible from below the ceiling. 120V, 277V, and 347V.

- Power factor: ≥0.90
- Total Harmonic Distortion (THD): <20%
- Dimming Range: 100%-10%
- Expected driver lifetime.: 100,000 hours
- FineTune DMX: 1%

LUTRON TUNABLE WHITE DRIVER OPTION: LUT-TW (1% T-Series 2-Channel Digital Tunable White (PSQ Series)).

MOUNTING OPTIONS

HANGING HARDWARE: Wall Mount: Luminaire hangs securely from mounting brackets fastened directly to the wall for easy installation. Luminaire stands 1/2" off the wall. The mounting bracket is concealed behind the luminaire. **Arm Mount:** bracket mounts directly to wall j-box, extends luminaire 12", 18", or 24" from wall. Other lengths available. Consult factory.

¹ Not available with Wall Wash

² Indirect/Direct and Direct only

³ White Cross Blade (WCB) baffles not available with custom angles. Available in 90 degrees only

⁴ Wall Mount Indirect/Direct, Wall Mount Regressed Indirect/Direct, and Wall Mount Indirect only

⁵ Wall Mount Indirect/Direct, Wall Mount Regressed Indirect/Direct, Wall Mount Direct, and Wall Mount Regressed Direct only

⁶ Wall Mount Regressed Indirect/Direct & Wall Mount Regressed Direct only

⁷ Not available with Regressed

Submitted by:		Date:
Type:	Project:	
Ordering Info:		



High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

SPECIFICATIONS

TUNABLE WHITE DMX HANGING HARDWARE: For grid ceiling applications the dual GridBox™ mounting is supplied (standard). For hard ceiling applications the ceiling mounting box is supplied (standard). DMX feeds cannot be cut or spliced. DMX feeds should be ordered based on fixed lengths. Available DMX pendant feed lengths are 5' (standard), 12', and 30'.

TUNABLE WHITE DMX INTERCONNECTION CABLES: Luminaires are pre-wired with plug-and-play interconnection cables to support easy plug-together joining of luminaire runs. If a non-FineTune DMX system has been specified, a DMX to RJ45 converter is provided.

OTHER OPTIONS

ENDCAPS: Flat diecast aluminum endcaps (**FE**) add 1/4" to each end of luminaire. 1" Drop Down Lens Endcap (**DE**)⁸ includes diffuse element to continue luminance of drop lens. Open Endcap (**OE**) is for use with the Hollowed Ellipse Louver (**LHE**); following the curve of the louver.

EMERGENCY STYLE: Optional emergency to generator/inverter wiring, internal generator transfer switch, nightlight wiring, step-dimming driver, backup battery. Factory choice low-profile backup battery available. 8' minimum luminaire length for low profile battery pack.

Backup Battery		
	Legrand 18W	Legrand 10W/ Bodine BSL310LP
HP2-P-WM-D		
Min. Housing Length	8 [*]	4 ^{**}
EM Lumen Output	1608	956
EM Section Illuminated	2'	2' or 4'
HP2-P-WW-D		
Min. Housing Length	8 [*]	4 [*]
EM Lumen Output	1500	891
EM Section Illuminated	4'	4'

^{*} Minimum fixture housing length for battery pack approved without sensor
^{**} Exception: 5' not available, 6'+ okay

Backup Battery		
	Legrand 18W	Legrand 10W/ Bodine BSL310LP
HP2-P-WM-ID		
Min. Housing Length	12'	8'
EM Lumen Output	1608	956
EM Section Illuminated	2'	2' or 4'
HP2-P-WM-I		
Min. Housing Length	8 [*]	4 [*]
EM Lumen Output	1874	956
EM Section Illuminated	2'	2' or 4'

^{*} Minimum fixture housing length for battery pack approved without sensor

⁸ Available in Indirect/Direct Regressed & Direct Regressed only
⁹ Consult Finelite for Generator Transfer Device and Battery Back up fit
¹⁰ 20 business days lead time for color
¹¹ Excludes Battery Back up and Generator Transfer Device weight

Bodine GTD and Legrand ALCR Min. Length	
Configuration	Min Length
Generator	D-4'; I-4'; ID-6'
Generator + OCC	D-6'; I-6'; ID-8'
Daylight	D-4'; I-4'; ID-6'
Generator + Daylight	D-6'; I-6'; ID-8'

Indirect/Direct: backup batteries deliver 1608 lumens. 12' minimum luminaire length. 2' illuminated (downlight standard).

- **Direct:** backup batteries deliver 1608 lumens. 8' minimum luminaire length. 2' illuminated.
- **Indirect:** backup batteries deliver 1874 lumens. 8' minimum luminaire length. 2' illuminated.
- **Wall Wash:** backup batteries deliver 1500 lumens. 8' minimum luminaire length. 2' illuminated.

Tunable White ELECTRICAL OPTIONS⁹:

- **TW Driver Options 0-10V:** EM/GEN, GTD or Battery Back up
- **FineTune DMX:** EM/GEN or Battery Back up
- **DMX:** Battery Back up
- **DALI:** EM/GEN, GTD or Battery Back up
- **LUTRON:** EM/GEN, GTD or Battery Back up

INTEGRATED SENSORS: Integrated PIR (Passive Infrared) Occupancy (**OBO**) or Daylight Sensors (**OBD**) available with Flush and Bottom Glow downlight diffusers. PIR sensors not recommended for stairwell applications. Refer to Occupancy Sensor & Daylight Sensor tech sheet and the Embedded Intelligence landing page for more information and additional sensor options. Minimum fixture length: Direct and Indirect with a sensor is 3ft. Indirect/Direct with a sensor is 4ft.

FINISHES: Finelite Signal White (**SW**) powder coat, Finelite Black (RAL 9005) with semi gloss fine texture (**FB**), and Satin Aluminum (**SA**) are standard. Optional Adder: 179 RAL colors¹⁰ are available.

LABELS: Luminaire and electrical components are ETL-listed conforming to UL 1598 in the U.S.A. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.130 (G), this luminaire contains an internal driver disconnect. UL 924 and UL 2108 - PoE options available on request. These fixtures are rated for Damp Location. HP-2 can be used to comply with 2016 Title 24, Part 6 (JA8); high efficacy LED light source requirements. Finelite products use electronic components that are RoHS compliant, and the mechanical components of the luminaire have been verified to not knowingly contain any restricted substances listed per RoHS Directive 2015/863. Consult factory for tailored lighting options. Finelite makes the specification process easy when putting healthier products on your projects. Simply add - **RLA** (Red List Approved) or - **RLD** (Red List Declared) to your part number.

WEIGHT¹¹: ID - 2.9 lb/ft; D - 2.3 lb/ft; I - 2.3 lb/ft; AM - 2.9 lb/ft (luminaire only)

WARRANTY: 10-year performance-based warranty on all standard components. Optional accessories such as emergency battery packs are covered by their individual manufacturer warranties.

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

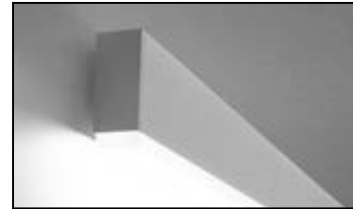
AESTHETIC OPTIONS



Flush Diffuser (F)



Bottom Glow Diffuser (BG)



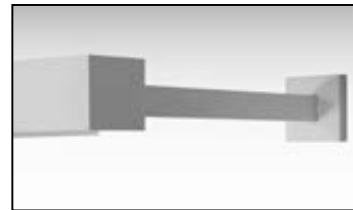
1" Drop Down Lens (DL)



Downlight Asymmetric Optic (DAO)¹
Externally flush



Flat Diffuser with 1" Regressed (RG-D)



Kicker (K) - Wall Wash Arm Mount only



White Cross Blade Baffle² (RG-WCB)



Hex Louver² (RG-LHC)



Hollowed Ellipse Louver² (RG-LHE)

¹ With a subtle ribbed appearance providing an asymmetric distribution
² Regressed only

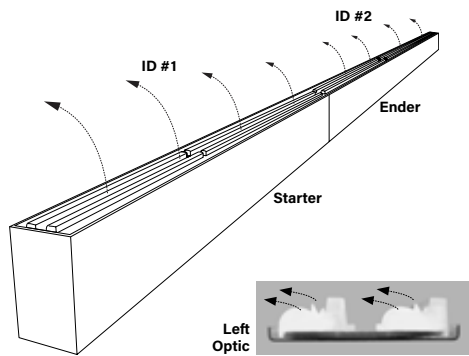
Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

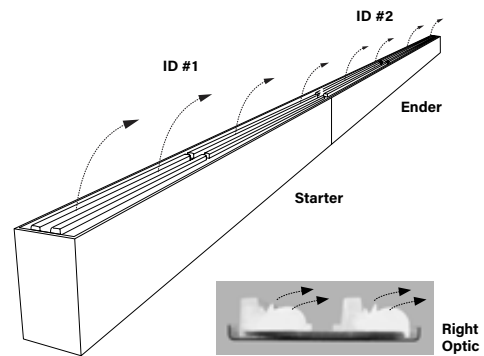
ASYMMETRIC OPTIONS

Use this tool to understand how to specify Asymmetric for your project. The diagrams below show a linear run from power feed to ender. Specify ASY-L distributes light to the left or ASY-R distributes light to the right.

Asymmetric Left Optic (ASY-L)



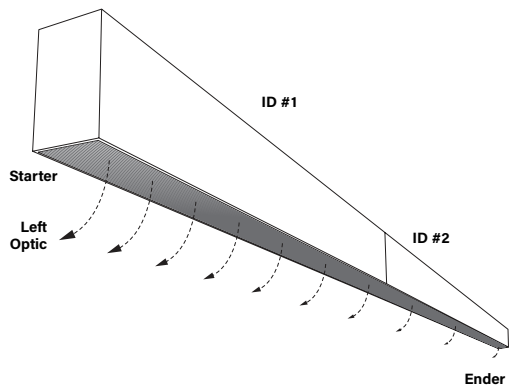
Asymmetric Right Optic (ASY-R)



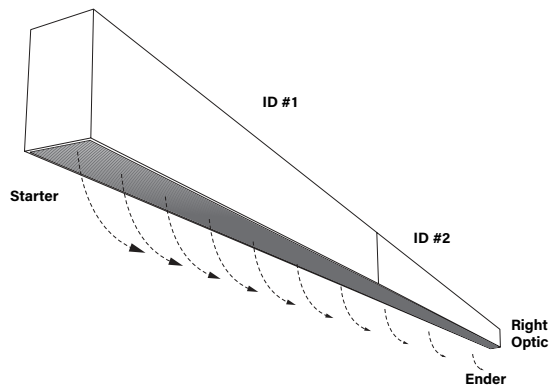
DOWNLIGHT ASYMMETRIC OPTIONS

Use this tool to understand how to specify Downlight Asymmetric for your project. The diagrams below show a linear run from power feed to ender. Specify DAO-L distributes light to the left or DAO-R distributes light to the right.

Downlight Asymmetric Optic Left (DAO-L)



Downlight Asymmetric Optic Right (DAO-R)



PREINSTALLED LABEL



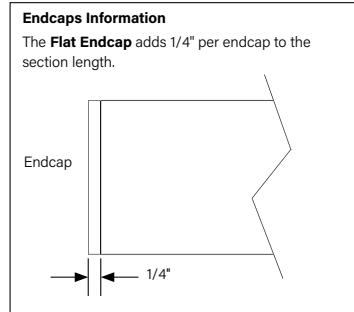
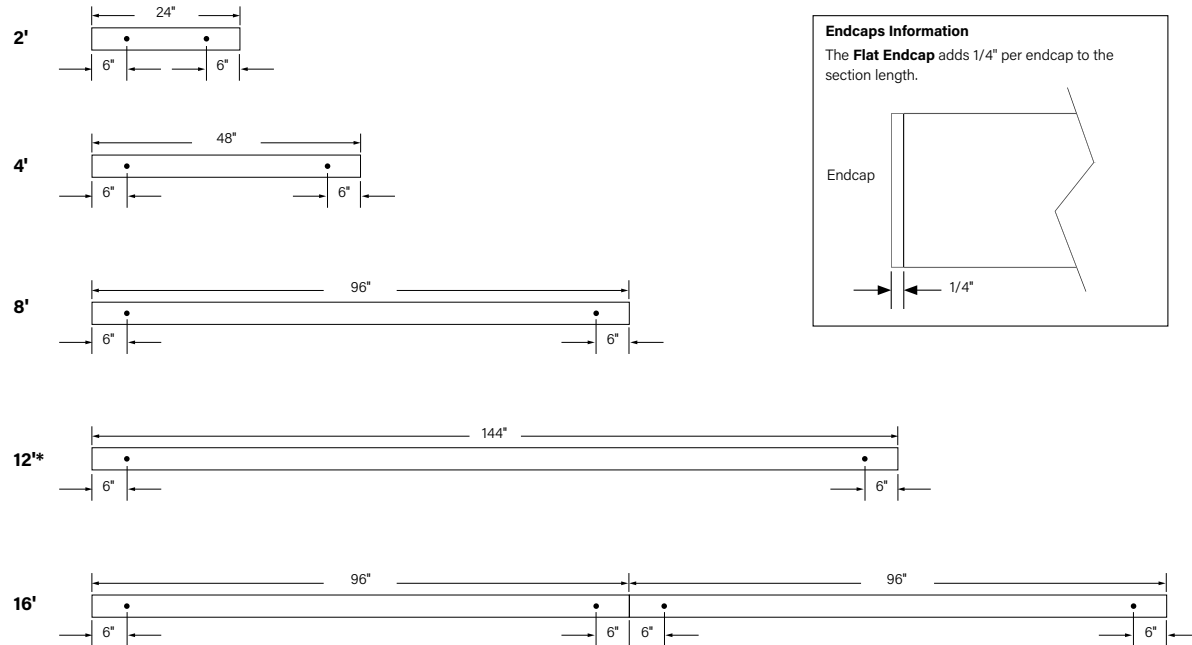
For DAO, Preinstalled label on diffuser shows direction of light. Remove after installation.

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

WALL WASH ARM MOUNT - Run Lengths & Mounting Location Examples

Tailored Lengths Available Down To 1/16" (±1/32")



• = Bracket Location
* = 12' Maximum spacing for two Arm Mount supports

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Indirect/Direct Photometry - 4' Luminaire 3500K

HP2-P-ID-4'-V-V-835-ASY-R-DAO-R

Uplight: Asymmetric Right Optic

Downlight: Downlight Asymmetric Optic - Right

Distribution: 53% Up (V) / 47% Down (V)

Efficacy: 112 lm/W

Uplight: 4301 lumens (1075 lumens/foot)

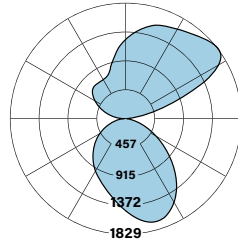
Downlight: 3742 lumens (936 lumens/foot)

Total luminaire output: 8043 lumens (2011 lm/ft)
72 watts (18 W/ft)

Peak Candela Value: 1829 @ 127.5°

CRI: 80 / CCT: 3500K

ITL LM79 Report REP-051921-01



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	3292 [153% 47%↓]	3745 [159% 41%↓]	4877 [169% 31%↓]	5833 [174% 26%↓]
1B ¹	3686 [148% 52%↓]	4139 [153% 47%↓]	5271 [163% 36%↓]	6227 [169% 31%↓]
1H ¹	4671 [138% 62%↓]	5124 [143% 57%↓]	6256 [154% 46%↓]	7211 [160% 40%↓]
1V ²	5503 [132% 68%↓]	5955 [137% 63%↓]	7087 [147% 53%↓]	8043 [153% 47%↓]

Light Output, 3500K, 80 CRI (Lumens Per Foot)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	823	936	1219	1458
1B ¹	922	1035	1318	1557
1H ¹	1168	1281	1564	1803
1V ²	1376	1489	1772	2011

Power, 3500K (Watts Per Foot)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	7.0	8.0	10.4	12.5
1B ¹	8.0	9.0	11.4	13.5
1H ¹	10.4	11.4	13.8	15.9
1V ²	12.5	13.5	15.9	18.0

Efficacy, 3500K, 80 CRI (Lumens Per Watt)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	117	117	117	116
1B ¹	115	116	116	116
1H ¹	112	113	113	113
1V ²	110	111	111	112

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL reports: 89456, 94139

HP2-P-ID-V-V-835-F-F

Uplight: Flush Diffuser

Downlight: Flush Diffuser

Distribution: 55% Up (V) / 45% Down (V)

Efficacy: 95 lm/W

Uplight: 3813 lumens (953 lumens/foot)

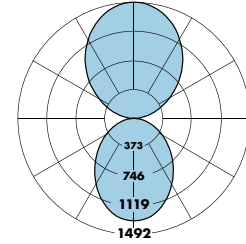
Downlight: 3175 lumens (794 lumens/foot)

Total luminaire output: 6988 lumens (1747 lm/ft)
73.8 watts (18.5 W/ft)

Peak Candela Value: 1492 @ 180°

CRI: 80 / CCT: 3500K

ITL LM79 Report 85132



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	2861 (155% 45%↓)	3262 (160% 40%↓)	4265 (170% 30%↓)	5113 (175% 25%↓)
1B ¹	3195 (149% 51%↓)	3596 (155% 45%↓)	4600 (165% 35%↓)	5447 (170% 30%↓)
1H ¹	4030 (139% 61%↓)	4432 (144% 56%↓)	5435 (155% 45%↓)	6282 (161% 39%↓)
1V ²	4736 (133% 67%↓)	5137 (138% 62%↓)	6141 (148% 52%↓)	6988 (155% 45%↓)

Light Output, 3500K, 80 CRI (Lumens Per Foot)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	715	815	1066	1278
1B ¹	799	899	1150	1362
1H ¹	1008	1108	1359	1571
1V ²	1184	1284	1535	1747

Power, 3500K (Watts Per Foot)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	7.2	8.2	10.7	12.8
1B ¹	8.2	9.2	11.7	13.8
1H ¹	10.7	11.7	14.2	16.3
1V ²	12.8	13.8	16.3	18.5

Efficacy, 3500K, 80 CRI (Lumens Per Watt)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	99	99	100	100
1B ¹	97	98	99	99
1H ¹	94	95	96	96
1V ²	92	93	94	95

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL report: 89132

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI	
3000K	0.746
3500K	0.760
4000K	0.789

High Output (H) / Standard Output (S), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789

Total Light Output: 4265 lm x 0.789 = 3365 lm

Total Light Output per Foot: 1066 lm/ft x 0.789 = 841 lm/ft.

watts/foot: 10.5 W/ft.

$$\text{Efficacy} = \frac{841 \frac{\text{lm}}{\text{ft.}}}{10.7 \frac{\text{W}}{\text{ft.}}} = 79 \text{ lm/W}$$

Submitted by:		Date:
Type:	Project:	
Ordering Info:		



Home Order Specs Options Photometry Wall Setback Tunable White

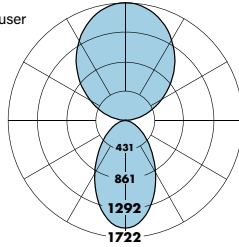
High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Indirect/Direct Photometry - 4' Luminaire 3500K

HP2-P RG-ID-V-V-835-F

Uplight: Flush Diffuser / **Downlight:** Regressed Diffuser

Distribution: 59% Up (V) / 41% Down (V)
Efficacy: 99 lm/W
Uplight: 4304 lumens (1076 lumens/foot)
Downlight: 2928 lumens (732 lumens/foot)
Total luminaire output: 7232 lumens (1808 lm/ft)
 73.2 watts (18.3 W/ft)
Peak Candela Value: 1722 @ 180°
 CRI: 80 / CCT: 3500K
 ITL LM79 Report 90352



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	2960 (160% 40% 1)	3414 (165% 35% 1)	4546 (174% 26% 1)	5503 (178% 22% 1)
1B ¹	3269 (154% 46% 1)	3722 (160% 40% 1)	4854 (169% 31% 1)	5811 (174% 26% 1)
1H ¹	4039 (144% 56% 1)	4492 (149% 51% 1)	5625 (160% 40% 1)	6581 (165% 35% 1)
1V ²	4690 (138% 62% 1)	5143 (143% 57% 1)	6276 (153% 47% 1)	7232 (159% 41% 1)

Light Output, 3500K, 80 CRI (Lumens Per Foot)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	740	853	1137	1376
1B ¹	817	930	1214	1453
1H ¹	1123	1406	1645	1645
1V ²	1172	1286	1569	1808

Power, 3500K (Watts Per Foot)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	7.2	8.1	10.6	12.7
1B ¹	8.1	9.1	11.6	13.7
1H ¹	10.6	11.6	14.0	16.2
1V ²	12.7	13.7	16.2	18.3

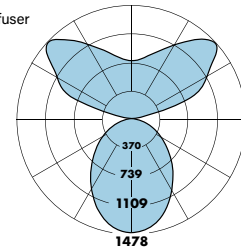
Efficacy, 3500K, 80 CRI (Lumens Per Watt)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	103	105	107	108
1B ¹	100	102	105	106
1H ¹	95	97	100	102
1V ²	92	94	97	99

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL report: 90352

HP2-P-ID-V-V-835-WSO-F

Uplight: Widespread Optic / **Downlight:** Fluse Diffuser

Distribution: 55% Up (V) / 45% Down (V)
Efficacy: 101 lm/W
Uplight: 4018 lumens (1005 lumens/foot)
Downlight: 3312 lumens (828 lumens/foot)
Total luminaire output: 7330 lumens (1833 lm/ft)
 74.5 watts (18.6 W/ft)
Peak Candela Value: 1461 @ 0°
 CRI: 80 / CCT: 3500K
 ITL LM79 Report 89456



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	3001 (155% 45% 1)	3424 (160% 40% 1)	4481 (170% 30% 1)	5374 (175% 25% 1)
1B ¹	3349 (149% 51% 1)	3772 (155% 45% 1)	4830 (165% 35% 1)	5722 (170% 30% 1)
1H ¹	4221 (139% 61% 1)	4644 (144% 56% 1)	5701 (155% 45% 1)	6594 (161% 39% 1)
1V ²	4957 (133% 67% 1)	5380 (138% 62% 1)	6437 (148% 52% 1)	7330 (155% 45% 1)

Light Output, 3500K, 80 CRI (Lumens Per Foot)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	750	856	1120	1343
1B ¹	837	943	1207	1431
1H ¹	1055	1161	1425	1649
1V ²	1239	1345	1609	1833

Power, 3500K (Watts Per Foot)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	7.1	8.1	10.5	12.6
1B ¹	8.1	9.0	11.5	13.6
1H ¹	10.5	11.5	13.9	16.0
1V ²	12.6	13.6	16.0	18.1

Efficacy, 3500K, 80 CRI (Lumens Per Watt)				
	1S ¹	1B ¹	1H ¹	1V ²
1S ¹	106	106	107	107
1B ¹	104	105	105	105
1H ¹	100	101	102	103
1V ²	98	99	100	101

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL report: 89456

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI	
3000K	0.746
3500K	0.760
4000K	0.789

High Output (H) / Standard Output (S), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789
Total Light Output: 4265 lm x 0.789 = 3365 lm
Total Light Output per Foot: 1066 lm/ft x 0.789 = 841 lm/ft.
watts/foot: 10.7 W/ft.
Efficacy = $\frac{841 \frac{\text{lm}}{\text{ft.}}}{10.57 \frac{\text{W}}{\text{ft.}}} = 78.6 \text{ lm/W}$

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

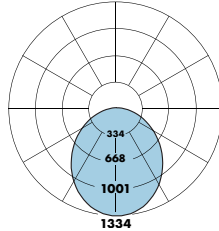


High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Direct Photometry - 4' Luminaire 3500K

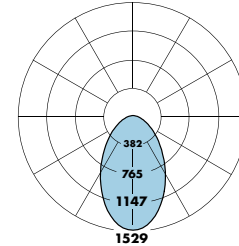
HP2-P-D-V-835-F
Downlight: Flush Diffuser

Efficacy: 87 lm/W
Total luminaire output: 3215 lumens (804 lm/ft)
36.9 watts (9.2 W/ft)
Peak Candela Value: 1334 @ 0°
CRI: 80 / CCT: 3500K
ITL LM79 Report 85136



HP2-P RG-D-V-835-RG
Downlight: Regressed Diffuser

Efficacy: 79 lm/W
Total luminaire output: 2887 lumens (722 lm/ft)
36.7 watts (9.2 W/ft)
Peak Candela Value: 1529 @ 0°
CRI: 80 / CCT: 3500K
ITL LM79 Report 90350



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S ¹	B ¹	H ¹	V ²
1316	1655	2501	3215

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S ¹	B ¹	H ¹	V ²
329	414	625	804

Power, 3500K (Watts Per Foot)			
S ¹	B ¹	H ¹	V ²
3.6	4.6	7.1	9.2

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S ¹	B ¹	H ¹	V ²
91	90	88	87

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL report: 85136

Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S ¹	B ¹	H ¹	V ²
1182	1486	2245	2887

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S ¹	B ¹	H ¹	V ²
295	371	561	722

Power, 3500K (Watts Per Foot)			
S ¹	B ¹	H ¹	V ²
3.6	4.6	7.0	9.2

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S ¹	B ¹	H ¹	V ²
82	81	80	79

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL report: 90350

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI	
3000K	0.746
3500K	0.760
4000K	0.789

High Output (H) / Standard Output (S), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789
Total Light Output: 2546 lm x 0.789 = 2009 lm
Total Light Output per Foot: 636 lm/ft x 0.789 = 502 lm/ft.
watts/foot: 6.8 W/ft.

$$\text{Efficacy} = \frac{502 \frac{\text{lm}}{\text{ft.}}}{6.8 \frac{\text{W}}{\text{ft.}}} = 74 \text{ lm/W}$$

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

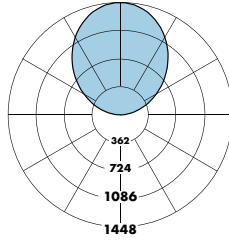


High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

Indirect Photometry - 4' Luminaire 3500K

HP2-P-I-V-835-F
Uplight: Flush Diffuser

Efficacy: 102 lm/W
Total luminaire output: 3749 lumens (937 lm/ft)
 36.7 watts (9.2 W/ft)
Peak Candela Value: 1448 @ 180°
 CRI: 80 / CCT: 3500K
 ITL LM79 Report 85134



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S ¹	B ¹	H ¹	V ²
1535	1929	2916	3749

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S ¹	B ¹	H ¹	V ²
384	482	729	937

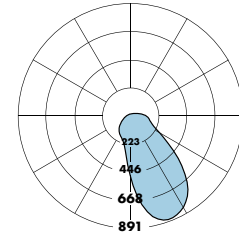
Power, 3500K (Watts Per Foot)			
S ¹	B ¹	H ¹	V ²
3.6	4.6	7.0	9.2

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S ¹	B ¹	H ¹	V ²
107	106	104	102

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL report: 85134

HP2-AM-WW-D-K-V-835
Uplight: Flush Diffuser

Efficacy: 77 lm/W
Total luminaire output: 1500 lumens (375 lm/ft)
 19.6 watts (4.9 W/ft)
Peak Candela Value: 882 @ 25°
 CRI: 80 / CCT: 3500K
 ITL LM79 Report 85137



Complete LM79 LED Photometry

Total Light Output, 3500K, 80 CRI (Lumens) - 4' Luminaire			
S ¹	B ¹	H ¹	V ²
614	772	1167	1500

Light Output, 3500K, 80 CRI (Lumens Per Foot)			
S ¹	B ¹	H ¹	V ²
154	193	292	375

Power, 3500K (Watts Per Foot)			
S ¹	B ¹	H ¹	V ²
2.0	2.5	3.8	4.9

Efficacy, 3500K, 80 CRI (Lumens Per Watt)			
S ¹	B ¹	H ¹	V ²
76	77	77	77

S - Standard Output, B - Boosted Standard Output, H - High Output, V - Very High Output
¹ Family Correlation based on 4' luminaire 3500K Very High Output (V) test - 120V.
² Based on ITL report: 85137

Wattage is Real Power. If you would like additional details to calculate Apparent Power, please contact your local Finelite representative.

Sample Lumen Adjustment Calculation

Lumen Adjustment Factors 80 CRI	
3000K	0.985
3500K	1.000
4000K	1.032

Lumen Adjustment Factors 90 CRI	
3000K	0.746
3500K	0.760
4000K	0.789

High Output (H) / Standard Output (S), 4000K, 90 CRI
Lumen Adjustment Factor: 0.789
Total Light Output: 2245 lm x 0.789 = 1771 lm
Total Light Output per Foot: 561 lm/ft x 0.789 = 443 lm/ft.
watts/foot: 7.0 W/ft.

$$\text{Efficacy} = \frac{443 \frac{\text{lm}}{\text{ft.}}}{7.0 \frac{\text{W}}{\text{ft.}}} = 63 \text{ lm/W}$$

Protected by one or more US Patents: 8915613; D702,391; D702,390; D700,732

Submitted by:		Date:
Type:	Project:	
Ordering Info:		

High Performance 2" Aperture (HP-2) Wall Mount and Arm Mount

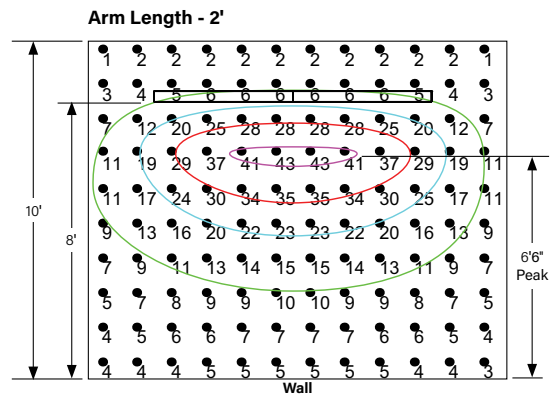
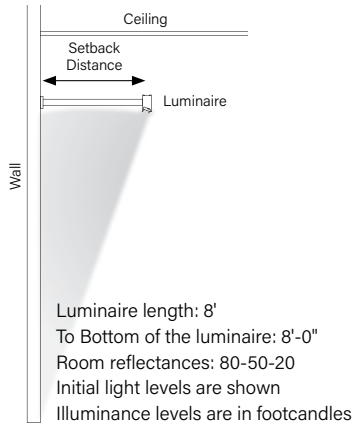
Wall Wash Direct - Setback Info and Application Data

HP2-AM-WW-D-K-4'-V-835

Downlight: With Kicker

Total luminaire output: 935 lumens (234 lm/ft)
10.2 watts (2.6 W/ft)

CRI: 80 / CCT: 3500K



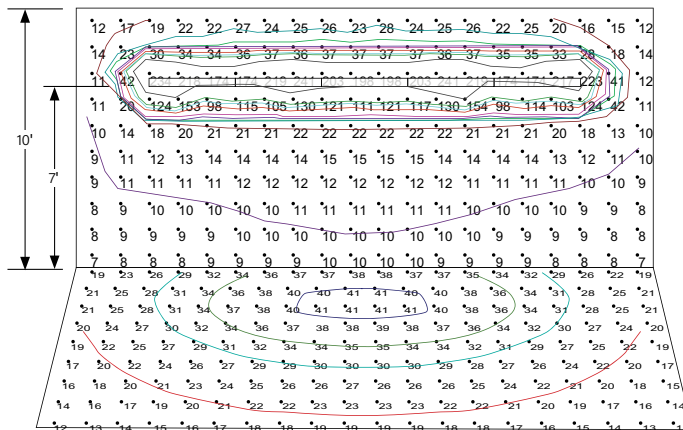
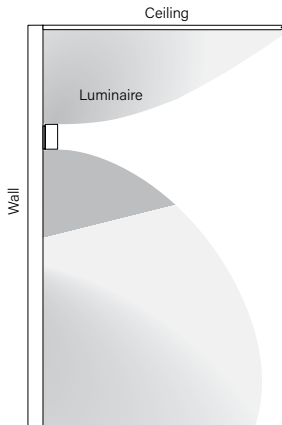
Downlight Asymmetric Optic - Setback Info and Application Data

HP2-AM-D-4ft-V-835-DAO

Downlight: DAO

Total luminaire output: 3742 lumens (936 lm/ft)
35.6 watts (8.9 W/ft)

CRI: 80 / CCT: 3500K



Submitted by:		Date:
Type:	Project:	
Ordering Info:		

0-10V Tunable White

Finelite's award-winning, contractor friendly Tunable White luminaires are available at low cost, with powerful and simple 0-10V tuning and intensity controls.

TUNABLE WHITE FEATURES

- CCT range: 2700K - 6500K
- Dimming Range: 100% to 10%
- CRI Options: 80 CRI or 90 CRI

PHOTOMETRY

Apply a power adjustment factor to calculate wattage usage

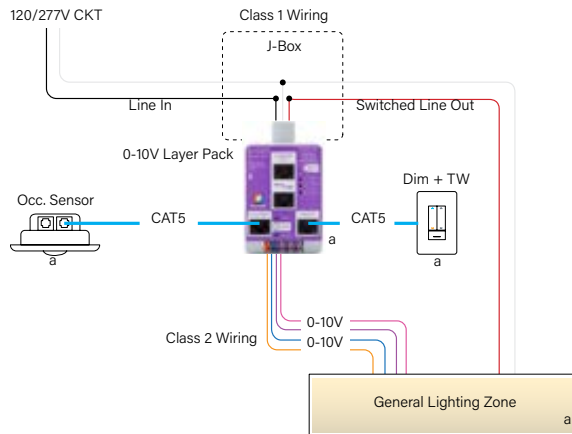
POWER	CONVERSION FACTOR
	1.1X

(Example: a 50 watt luminaire in static white would draw 55 watts using 0-10V Tunable White)

LUMINAIRE FAMILY MODIFICATIONS/RESTRICTIONS

Wall Mount Direct	Section Lengths											
	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	
Output S,B,H,V Single Circuit	Rows can be comprised of 2'-12' sections. Tailored lengths available.											
Integral Battery Backup (BSL310LP)							✓		✓		✓	
Wall Mount Indirect/Direct												
Output S,B Single Circuit	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Integral Battery Backup (BSL310LP)							✓		✓		✓	
Output H,V Single Circuit			✓				✓				✓	
Integral Battery Not Available	Remote Battery backup solution available. Consult factory for tailored lighting options.											
Output S,B,H,V Dual Circuit			✓				✓				✓	
Integral Battery Not Available	Remote Battery backup solution available. Consult factory for tailored lighting options.											

WIRING DIAGRAM - DIMMABLE TO 10%



Luminaire Wiring

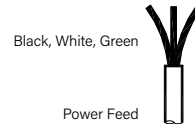
- **Purple (+) / Pink (-)** control wires are for intensity control
- **Orange (+) / Blue (-)** control wires are for Tunable White control

Note:

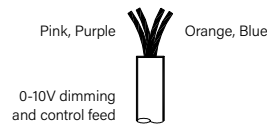
Load or Dim to Off options available.



DUAL FEED DETAIL



WIRING LEGEND		
Black	Hot	Line Voltage
White	Neutral	Line Voltage
Green	Ground	



WIRING LEGEND		
Pink	Dimming	0-10V DC
Purple	Dimming	0-10V DC
Orange	TW	0-10V DC
Blue	TW	0-10V DC

Horizontal Louver LED Step Light

By Bruck Lighting

L17



Call Us (877) 445-4486

Horizontal Louver LED Step Light
By Bruck Lighting

Product Options

Finish: Brushed Nickel

Details

IP65 wet rated, suitable for outdoors
Built-in enclosed LED driver
Suitable for vertical and horizontal orientation
Additional mounting screws for hanger bars are supplied for new construction
3 x 1/2" knock out for feed-through
Die cast zinc magnesium housing



Dimensions

Fixture: Width 8.7", Height 3.31", Depth 3.06", Weight 0.48Lbs

Lighting

Lamp Type	LED Built-in
Total Lumens	190
Volts	120
Color Temp	3200 (Soft White)
Equivalent Halogen, CFL or LED Bulb Can Be Used	No

Notes:

PBA: Coordinate final finish with architect

Prepared by:

Prepared for:
Project:
Room:
Placement:
Approval:

Additional Details

Product URL:

<https://www.lumens.com/horizontal-louver-step-light-by-bruck-lighting-BLS497328.html>

Rating: ETL Listed Wet

ITEM#: BLS497328



Created September 30th, 2024



Wall Mount

LED Mini sconce

111L

OL2



Gardco 111 LED mini sconce luminaires are compact in size, perfect for low mounting height wall mount applications. 111 LED luminaires are designed to integrate naturally to wall surfaces. 111 LED luminaires are available in Type 2, 3, and 4 distributions, and provide output from 1,300 to 4,600 lumens.

PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

FINISH TO BE SELECTED BY ARCHITECT

Ordering guide

example: 111L-16L-550-CW-G3-2-UNV-PCB-F1-BK

Prefix	No. of LEDs	Drive Current	Color / Generation	Distribution	Voltage	Controls	Electrical	Finish
111L	16							
111L Trapezoidal Wedge Mini Sconce LED	16L 16 LED module	200 200mA	WW-G3 Warm White 3000K, 70 CRI generation 3	2 Type II Wide Throw Optic, with maximized lateral throw	UNV 120-277V 50hz/60hz	PCB Photocontrol Button ¹	F1 Single fusing (120, 277VAC) ² F2 Double fusing (208, 240VAC) ² F3 Canadian double pull fusing (208, 240VAC) ²	Textured
		350 350mA						
		550 550mA	NW-G3 Neutral White 4000K, 70 CRI generation 3	3 Type III Preferred Wide Throw Optic, with improved forward throw	120 120V			
		750 750mA	CW-G3 Cool White 5000K, 70 CRI generation 3	4 Type IV Maximized forward throw optic	208 208V			
			WY-G3 Warm Yellow 2700K, 80 CRI Generation 3 ²	240 240V				
			BW-G3 Balanced White 3500K 80CRI Generation 3 ²	277 277V				
	AM-G3 Direct Amber (590nm) Generation 3 ²							

1. Provide specific input voltage.
2. Extended lead times apply. Contact factory for details.

FINISH TO BE SELECTED BY ARCHITECT

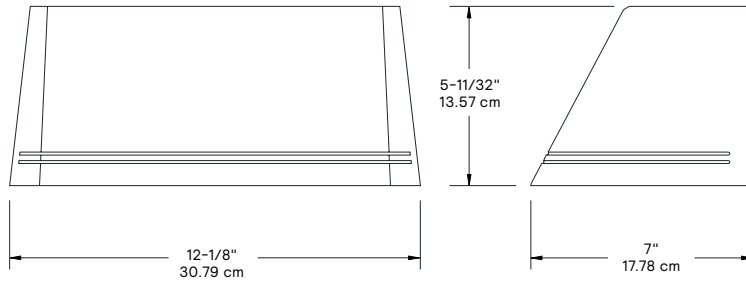
Accessories (ordered separately)

Mounting Accessories	
WS	Wall Mounted Box for Surface Conduit



111 LED Mini Wall Sconce

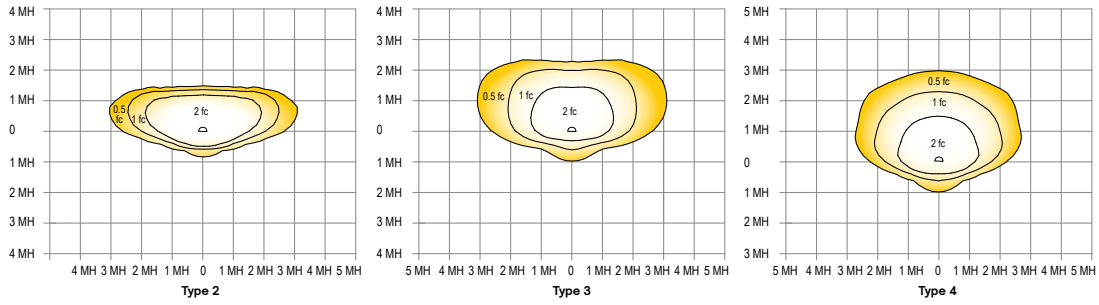
Dimensions



Note: Mounting plate center is located in the center of the luminaire width and 2.38" (6.03cm) above the luminaire bottom (lens down position). Splices must be made in the J-box (by others). Mounting plate must be secured by max. 1/4" (.64cm) diameter bolts (by others) structurally to the wall.

Weight: 6.6 lbs

Optical Distributions



111 LED Mini Wall Sconce

3000K LED Wattage and Lumen Values

CAT LOGIC	LED QTY	System Current (mA)	Color Temp	Avg System Wattage (W)	2			3			4		
					Lumen Output	Efficacy (Lm/W)	BUG Rating	Lumen Output	Efficacy (Lm/W)	BUG Rating	Lumen Output	Efficacy (Lm/W)	BUG Rating
111L-16L-200-WW-G3-x	16	200	3000	12	1370	114	B1-U0-G0	1343	112	B0-U0-G0	1315	110	B0-U0-G0
111L-16L-350-WW-G3-x	16	350	3000	18	2304	128	B1-U0-G0	2260	126	B1-U0-G1	2213	123	B1-U0-G1
111L-16L-550-WW-G3-x	16	550	3000	29	3503	121	B1-U0-G0	3435	118	B1-U0-G1	3363	116	B1-U0-G1
111L-16L-750-WW-G3-x	16	750	3000	39	4598	117	B1-U0-G1	4509	114	B1-U0-G1	4415	112	B1-U0-G1

4000K LED Wattage and Lumen Values

CAT LOGIC	LED QTY	System Current (mA)	Color Temp	Avg System Wattage (W)	2			3			4		
					Lumen Output	Efficacy (Lm/W)	BUG Rating	Lumen Output	Efficacy (Lm/W)	BUG Rating	Lumen Output	Efficacy (Lm/W)	BUG Rating
111L-16L-200-NW-G3-x	16	200	4000	12	1439	120	B1-U0-G0	1411	118	B0-U0-G0	1381	115	B0-U0-G0
111L-16L-350-NW-G3-x	16	350	4000	18	2420	134	B1-U0-G0	2373	132	B1-U0-G1	2323	129	B1-U0-G1
111L-16L-550-NW-G3-x	16	550	4000	29	3678	127	B1-U0-G0	3606	124	B1-U0-G1	3531	122	B1-U0-G1
111L-16L-750-NW-G3-x	16	750	4000	39	4828	123	B1-U0-G1	4734	120	B1-U0-G1	4636	118	B1-U0-G1

5000K LED Wattage and Lumen Values

CAT LOGIC	LED QTY	System Current (mA)	Color Temp	Avg System Wattage (W)	2			3			4		
					Lumen Output	Efficacy (Lm/W)	BUG Rating	Lumen Output	Efficacy (Lm/W)	BUG Rating	Lumen Output	Efficacy (Lm/W)	BUG Rating
111L-16L-200-CW-G3-x	16	200	5000	12	1439	120	B1-U0-G0	1411	118	B0-U0-G0	1381	115	B0-U0-G0
111L-16L-350-CW-G3-x	16	350	5000	18	2420	134	B1-U0-G0	2373	132	B1-U0-G1	2323	129	B1-U0-G1
111L-16L-550-CW-G3-x	16	550	5000	29	3678	127	B1-U0-G0	3606	124	B1-U0-G1	3531	122	B1-U0-G1
111L-16L-750-CW-G3-x	16	750	5000	39	4828	123	B1-U0-G1	4734	120	B1-U0-G1	4636	118	B1-U0-G1

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

111 LED Mini Wall Sconce

Specifications

Housing

Housings are die cast aluminum. A memory retentive gasket seals the housing to the door frame to exclude moisture, dust, insects and pollutants from the optical system. A black, die cast ribbed backplate dissipates heat for longer system life. Main body cast housing and back plate made of a low copper die cast. Hinged door allows access to driver and LED compartment.

Mounting

Mounting is completed through integral back plate that features a separate recessed feature for hook and lock quick mount plate that secures with two set screws from bottom of luminaire. Luminaire ships fully assembled, ready to install.

Light Engine

Light engine comprises of a module of 16-LED aluminum metal clad board fully sealed with optics offered in 1 module of 16 LEDs. Module is RoHS compliant. Standard color temperatures: 3000K +/-125K, 4000K, 5000K +/- 200K. Minimum CRI of 70. Also available in 2700K, 3500K, and Amber (590nm) with extended lead times. Contact factory for details. LED light engine is rated IP66 in accordance to Section 9 of IEC 60598-1.

IP Rating

Luminaires are rated IP66.

Optical system

Type 2, 3, and 4 distributions available. Performance tested per LM-79 and TM-15 (IESNA) certifying its photometric performance. Luminaire designed with 0% uplight (UO per IESNA TM-15).

Electrical

Driver: Driver efficiency (>90% standard). 120-480V available (restrictions apply). Open/short circuit protection. Standard 0-10V dimming drivers. RoHS compliant.

Button Photocontrol (PCB): Button style design for internal luminaires mounting applications. The photocontrol is constructed of a high impact UV stabilized polycarbonate housing. Rated voltage of 120V or 208-277V with a load rating of 1000 VA. The photocell will turn on with 1-4Fc of ambient light.

Surge protection (SP1): Each luminaire is provided as standard with surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/5kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid-State Street Lighting Consortium) Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High Test Level 10kV / 5kA.

Finish

Five standard colors offered in textured black, white, bronze, dark gray and medium gray. Color in accordance with the AAMA 2604 standard. Application of polyester powder coat paint 2.5 mils minimum. The thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. RAL and custom color matching available.

Listings

cULus Listed for Canada and USA suitable for wet locations when mounted downward facing. cULus Listed for Canada and USA suitable for damp locations when inverted upward facing when mounted in covered ceiling application. DesignLights Consortium qualified on models as listed on DLC QPL. CCTs 3000K and warmer are Dark Sky Approved. Luminaire is rated for operation in ambient temperature of -40°C (-40°F) up to +40°C (+104°F).

Limited Warranty

111 LED mini sconce luminaires feature a 5-year limited warranty.

See signify.com/warranties for complete details and exclusions

Predicted Lumen Depreciation Data

Ambient Temperature °C	System Current	LED Current	Calculated L ₇₀ hrs ^{1,2}	L ₇₀ per TM21 ^{2,3}	Lumen Maintenance @ 60,000hrs
25 °C	750 mA	750 mA	>100,000	>60,000	97%

1. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.
2. L70 is the predicted time when LED performance depreciates to 70% of initial lumen output.
3. Calculated per IESNA TM 21-11. Published L70 hours limited to 6 times actual LED test hours.

Buy American Act of 1933 (BAA):

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit www.signify.com/baa to view a current list of BAA-compliant products to confirm this product's current compliance.



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10-111_LED_Spec_Sheet 01/22 page 4 of 4

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OL2

PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

SHOP NOW >

FEATURES & SPECIFICATIONS

INTENDED USE

The **Spruce LED Architectural Landscape Path Light** is a unique lighting fixture offering quality and durability with a naturally etched finish designed to last. The Spruce LED Architectural Landscape Path Light is used to accent and create dramatic effect while providing a great source of lighting.

DETAILS

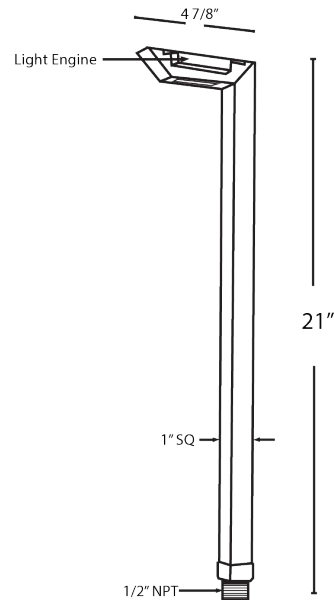
Model Number: 9066
W 4.875" x **H** 21"
Finish: PVD Satin
Construction: Solid Brass

ADDITIONAL FEATURES

Type: Path Light
Voltage: 9-15V
Wattage: 2W
Beam Spread: 120°
Lumens: 125lms
Dimmable
Mounting: 1/2" NPT Dual Fin Spike Included
Warranty:
 LED Component: 20 Years Residential, 10 years Commercial
 Housing: Lifetime
Wet Listed

PROVIDE OUTDOOR RATED 120V POWER SUPPLY

LISTINGS



Alcon Lighting 9066 Spruce LED Architectural Landscape Contemporary Path Light

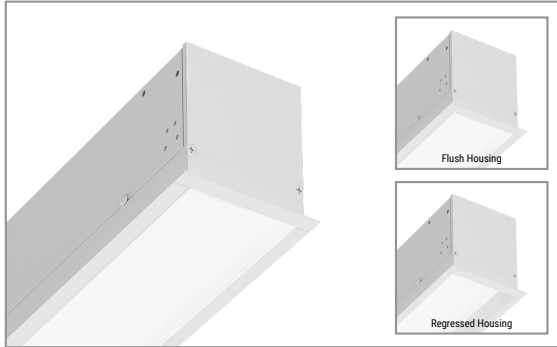
Ordering Information:

Example: (9066-40K-MBR)

Model	Light Color Temp	Finishes
9066 Spruce	(Blank) 2700K 40K 4000K 65K 6500K TF Turtle Friendly (4 wk lead time)	MBR Matte Bronze B Black PVDS PVD Satin SILV Silver

FINISH TO BE SELECTED BY ARCHITECT

Project	Catalog #	Type
Prepared by	Notes	Date



Neo-Ray

Define 4

LED
Recessed
Direct

Typical Applications

Office • Education • Healthcare • Hospitality • Retail

Interactive Menu

- Order Information [page 2](#)
- Shielding Options [page 3](#)
- Photometric Data [page 4](#)
- Integrated Sensor Details [page 6](#)
- VividTune [page 7](#)

Product Certification



Product Features

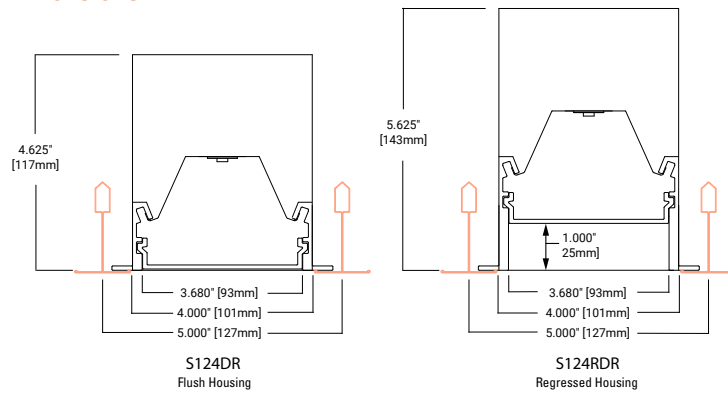


PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.

Top Product Features

- Specifiable to the nearest 1" in length
- Satin Lens, Asymmetric Lens and Drop Lens available
- Flush and Regressed Housing
- Customizable lumen packages
- Precision extended trims fit a variety of different architectural ceiling types
- Industry leading performance and efficacy
- [Standard and custom corners / transitions available](#)
- Options to meet Buy American Act requirements

Dimensions



additional product diagrams

Neo-Ray

Define 4 LED Recessed

Order Information

SAMPLE ORDER NUMBER: **S124DR-S795D840-ETG4F0-1B1-UDD-F-W-SWPD1**

Icon Key: Grey bar denotes available with 10-Day Quick Ship
 ∅ Consult factory for availability

Domestic Preference	Light Distribution	Light Engine	Lumen Package Down	CRI	LED CCT	Ceiling Type	Length	Circuiting
[Blank] =Standard BAA =Buy American Act	S124DR =Define 4 Direct Recessed S124RDR =Define 4 Regressed Direct Recessed QS-S124DR =Define 4 Direct Recessed Quick Ship	[S] =Standard [H] =High Performance [V] =VividTune	350D =350 Lms/ft 575D =575 Lms/ft 795D =795 Lms/ft 1020D =1020 Lms/ft 1195D =1195 Lms/ft [D] =Custom Lms/ft	8 =80 9 =90	27 =2700K 30 =3000K 35 =3500K 40 =4000K 50 =5000K 2765 =2700K-6500K 3050 =3000K-5000K	ETG =15/16" T-Grid FTG =9/16" T-Grid STG =9/16" Slot T-Grid FTT =9/16" Tegular T-Grid ITG =9/16" Interlude T-Grid ETT =15/16" Tegular T-Grid GYP =Gypsum board FSR =Mud-in Gypsum Board FES = "Finished" Extruded Side	2F0 =2' Individual 4F0 =4' Individual 8F0 =8' Individual 12F0 =12' Individual F0 =4' Incremental Run (e.g. 40F0 = 40' 0") F_1 =1" Incremental Run (e.g. 21F3 = 21' 3")	[1] =Single Circuit [S] =Secondary Circuit
Notes Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to Domestic Preferences website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	Notes RDR regress of 1" will add an additional 1" to fixture depth.	Notes See performance table for add'l details. Light engine must be consistent across run length.	Notes 3500K/80CRI/DR housing/IF Lens. Please refer to scaling data for other variables. For custom lumen output, please refer to additional information on page 4. VividTune available with 795D, 1020D, and 1195D.	Notes Additional lead-time and cost may apply for 927, 930, 935 and 940 configurations. 2700K not available in 80CRI. 2765 & 3050 VividTune configurations require V light engine, 90 CRI, and W2A driver.	Notes Please refer to ceiling interface diagrams for additional detail and dimensions.	Notes 42'-0" LENGTH - SOUTH FIXTURE 45'-0" LENGTH - NORTH FIXTURE	Notes Secondary circuit similar to A/B switching. Price adder applies for "S" configuration. VividTune Secondary Circuit has shared CCT wiring.	

Emergency	Voltage	Integral LED Driver	Shielding Down	Options	Color	Integrated Sensor
E =Emergency circuit B1 =Surelite 7W UNV integral battery B2 =Surelite 14W UNV integral battery B3 =Bodine 6W UNV Integral T =UL924 EPC Emergency Bypass Relay	[U] =UNV 120-277V [1] =120V [2] =277V [3] =347V [4] =48VDC ∅	DD =0-10 Volt Dimming, 1% SL =DALI Dimming, 5%-100% LH =Lutron LDE1 w/ecosys LV1 =DLVP ∅ W2A =White Tuning, 0-10V Dimming (VividTune only)	[F] =Satin Flush Diffuser [A] =Asym Flush Optic [D] =Satin Drop Diffuser [L] =Straight blade louver with diffuser ∅	[CP] =Chicago Plenum [R] =GLR Fuse (Fast) [F] =GMF Fuse (Slow)	[W] =Matte White [S] =Silver [B] =Black [C] =Custom Color ∅	[WAA] =WaveLinX Pro Integral [WTA] =WaveLinX Pro Tilemount [WAB] =WaveLinX Lite Integral ∅ [WTB] =WaveLinX Lite Tilemount ∅ [LWIPD1] =Enlighted Integral [LWTPD1] =Enlighted Tilemount [SVPD1] =Standalone Sensor [SVTPD1] =Standalone Sensor Tilemount
Notes Internal battery standard for fixtures > 4ft and lumen output <=1195 Lms/ft. Fixture Non-IC-Rated for internal battery and lumen output >1020 Lms/ft. External battery standard with fixtures <4ft and all Chicago plenum fixtures.	Notes 48V for use with LV1 driver. 247V only available with DD driver.	Notes DD driver is standard. For non-dimming applications, the driver will default to full brightness if no connection is made to the capped dimming wires in the field.	Notes All lensing options are snap-in lenses. "L" option required RDR housing and may require additional lead-time, please consult factory for details. A option not available with VividTune.	Notes	Notes FINISH TO BE SELECTED BY ARCHITECT	Notes Please refer to page 6 for additional detail required to specify integrated or tile-mount sensors. Integral option not available with regressed, drop or asymmetric configurations. Tilemount configuration recommended for these applications.

Product Specifications

Construction

- Available in Flush and Regressed Housing
- Precision cut housing trim extruded from 6063 aluminum with aluminum frame
- Extruded end-caps ensure a precise and uniform ceiling interface
- Nominal 2' -12' illuminated sections used in run configuration and/or individual fixtures

Finish

- Electrostatically applied polyester powder coat paint

LED Module

- Modular LED tray assembly comprising reflector, light engine, led driver and quick disconnect wire-harness for ease of installation and maintenance over the life of the luminaire

Light Engine

- Offered with three next generation Neo-Ray light engines delivering industry leading efficacy and long-life
- LED's are available in 2700K, 3000K, 3500K, 4000K or VividTune ranges of 2700K-6500K and 3000K-5000K
- CRI options of either ≥80CRI or ≥90CRI (Lumen output will be affected - please refer to the lumen adjustment factor table)

LED Drivers

- LED system coupled with electrical driver
- Traditional electronic drivers are available for 120-277V and 347V applications
- Cooper Lighting Solutions's DLVP Low voltage drivers are available for 48VDC applications

Controls and Integrated Sensors

- Equipped standard with a 0-10V continuous dimming driver. Compatible with most standard dimming devices
- Additional control types are available (DALI, Lutron, DLVP) at an additional cost
- WaveLinx and Enlighted wireless sensors as well as stand-alone sensors available

Mounting

- Recessed

Lengths

- Available in any length (23" min) with a resolution of 1 inch. Max section length of 12ft (8ft max option available)
- Additional fixture lengths are available please consult factory. All lengths are nominal
- VividTune available as standard product in 1ft resolution
- Actual sizes are one inch shorter than nominal to allow easy in-grid installation
- For Gypsum or Flangeless installations add 1 inch to overall fixture length (e.g. 4F1 for 48" length)
- Refer to ceiling type section of specification sheet and submittal drawings for actual sizes

Corners and Transition Pieces

- Corners and other transition pieces are fully luminous
- Constructed using precision mitered frame and lens components
- The frame is welded to ensure a precise and robust assembly
- Standard 90° horizontal and vertical corners as well as custom corners are available
- [Consult corner and pattern addendum for additional information](#)
- Alternative transition pieces such as T's, Y's, X's, etc. are also available ☺

Snap-In lensing Options

- Satin Flush - Flush, high diffusion glare-free lens
- Satin Drop - 1" Drop, high diffusion glare-free lens
- Asymmetric - Flush, low-glare Asymmetric lens
- Flush options ship with our patent-pending underlens solution, the proud lens ships with an injection molded end cap to eliminate light leak

Reflectors

- Precision formed cold-rolled steel reflectors with high reflectivity
- Ultra high reflectivity used with High Performance light engine

Lumen Maintenance

- 90% (L90) of initial light output at 100,000+ hrs
- 70% (L70) of initial light output at 400,000+ hrs
- Derived from TM-21 standard @25°C ambient and typical operating conditions

Custom Lumen Output

- Custom lumen output expressed option in Lumens per foot (e.g. -725D for 725 Lms/ft down). Refer to additional detail on page 4.

Electrical

- Dimming provided as standard
- Dimming wires capped with wire-nuts for non-dimming applications
- Optional battery backup options provided
- Default battery location is internal to fixture
- Default emergency section is 4ft in length and located at the beginning of the fixture unless designated elsewhere
- Estimated lumen output = battery wattage * min efficacy (see performance table)
- Estimate lumen output from the emergency section, multiply battery wattage x minimum fixture efficacy
- The EPC option will bypass local controls and dimming upon loss of normal power. This option is required when the fixture has both integrated sensors and emergency circuiting

Integrated Sensors

- Please reference page 6 for details

Weight

- 2.65 lbs per foot

Approvals

- cULus - listed for damp locations
- RoHS compliant
- Meets NYC requirements
- Meets CCEC requirements
- IC Rated for insulation contact (except where noted)
- Tested to IESNA LM-79 and LM-80
- Can be used for State of California Title 24 high efficacy luminaire
- DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details

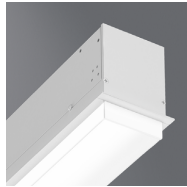
Warranty

- Five year warranty standard.

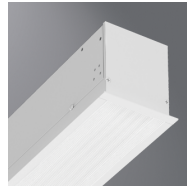
Shielding Options



S124DR with Flush Satin Lens (F)



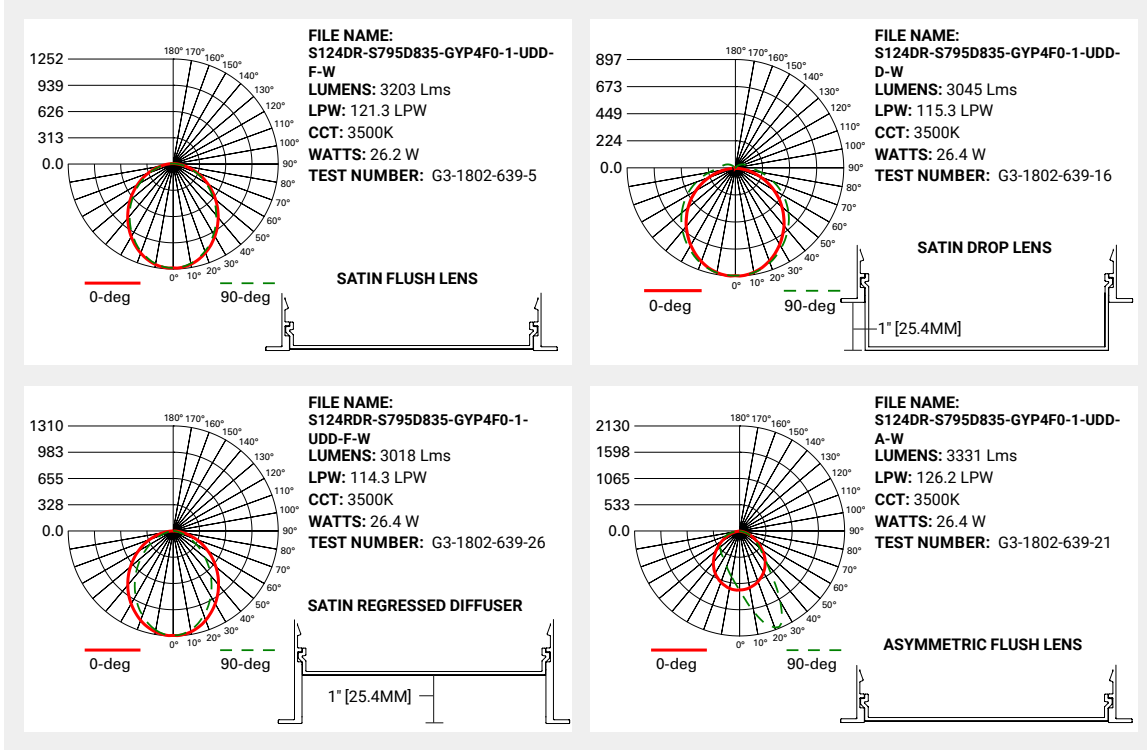
S124DR with Drop Satin Lens (D)



S124DR with Flush Asymmetric Lens (A)

Photometric Data

View IES files



Photometric Overview and Performance Data

Performance Per Linear Foot at 3500K/80CRI

Nominal Output	Standard and VividTune Light Engine		High Performance Light Engine	
	lms/ft	W/ft	lm/W	lm/W
350	3.0	121	2.9	126
575	4.8	123	4.4	133
795	6.8	121	6.1	133
1020	8.9	118	8.1	130
1195	10.6	115	9.7	126

Lumen Adjustment Factors

CCT	80CRI	90CRI
2700K	N/A	0.801
3000K	0.943	0.815
3500K	1.000	0.861
4000K	1.010	0.892

LUMEN ADJUSTMENT CALCULATIONS

Example 1 - Adjusted Lumen Output

Nominal Lumen Output selected = 1025 lms/ft (based on standard of 3500K/80CRI)
 Lumen Adjustment Factor = 0.801 (2700K/90CRI desired)

Adjusted Lumen Output = Nominal Lumen Output x Lumen Adjustment Factor
 Adjusted Lumen Output = 1025 lms/ft x 0.801 = 821 lms/ft

Example 2 - Custom Lumen Output based on Required Lumens Per Foot

Total light output (4ft) requirement of 2800 lms, desired CCT and CRI of 4000K/80CRI

Total required lumens per foot @ 4000K = 2800 lms / 4 ft = 700 lms/ft
 Lumen Adjustment Factor = 1.018 (Requirement based on 4000K / 80CRI)

Total required lumens per foot @ 3500K / 80CRI = 700 lms/ft ÷ 1.018 = 688 lms/ft

Estimated efficacy = 121 lm/W (find nearest value using table above)
 Estimated power consumption = 688 lms/ft ÷ 121 lm/W = 5.69 W/ft

Custom Lumen Output

Total Light Output Range (lms/ft)

CCT	80CRI	90CRI
2700K	N/A	189-1058
3000K	222-1246	192-1077
3500K	236-1321	203-1138
4000K	238-1335	210-1179

If your requirement is expressed in power consumption (W/ft) rather than light output, you can use the power to lumen output curves to convert power consumption to light output for specification.

Efficacy for custom lumen outputs can be estimated using lumen output curves or with the use of our online custom lumen output tool.

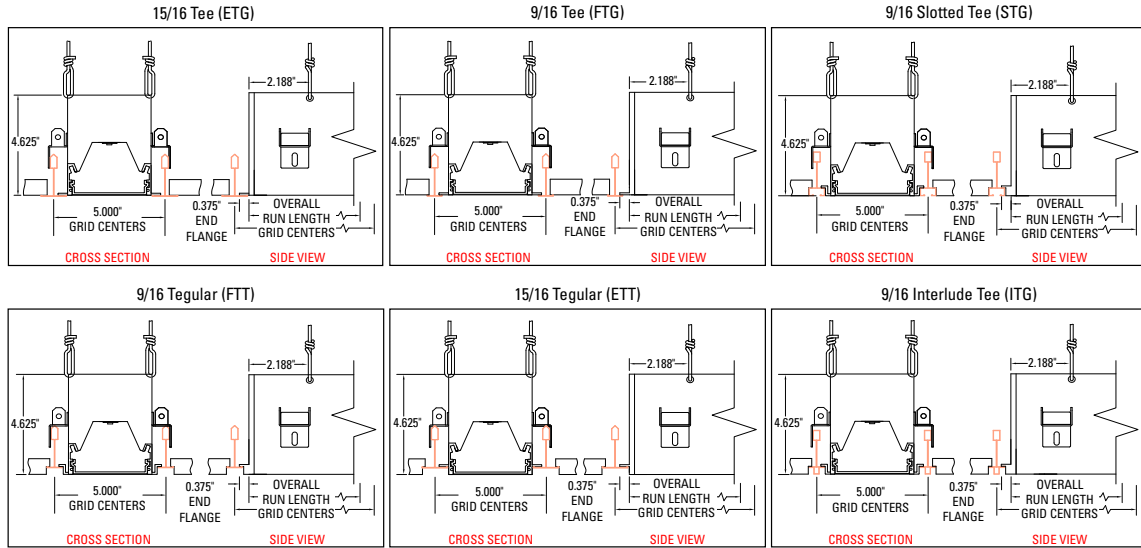
Neo-Ray

Define 4 LED Recessed

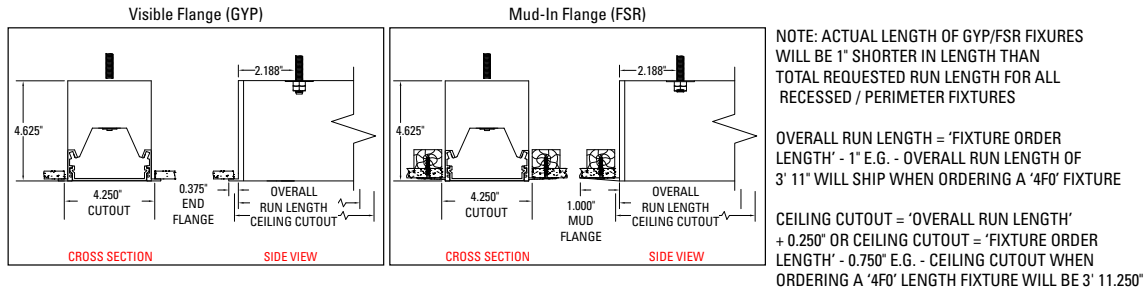
Ceiling Type

Extruded Trim Flange Details - Refer to submittal drawings for detailed flange information - for additional options consult factory.

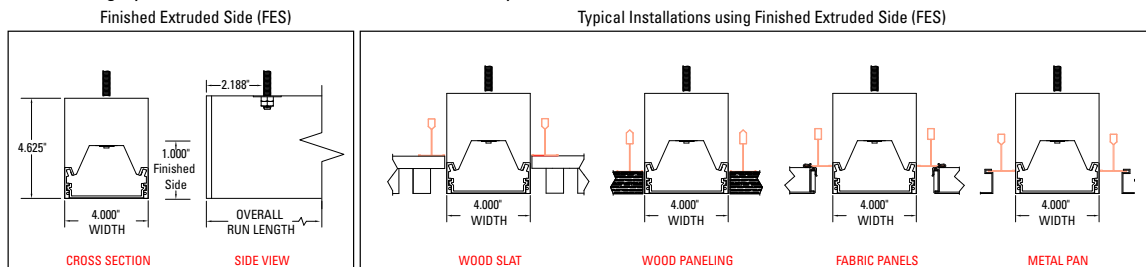
Grid Ceiling Systems



Drywall Ceiling



Other Ceiling Systems (Wood, Fabric, Metal Pan, HD Box Style)



Integrated Sensor Details and Placement

Sensor Type	Wireless	Sensor Integration	Sensor Mounting	Ordering Code
WaveLinx Pro	Yes	Integral to Fixture	Mounted in solid cover	WAA
		Pre-wired for tile-mount	Installation in ceiling tile or J-Box cover	WTA
WaveLinx Lite	Yes	Integral to Fixture	Mounted in solid cover	WAB
		Pre-wired for tile-mount	Installation in ceiling tile or J-Box cover	WTB
Enlighted	Yes	Integral to Fixture	Mounted in illuminated lens	LWIPD1
		Pre-wired for tile-mount	Installation in ceiling tile or J-Box cover	LWTPD1
Stand-Alone SVPD1	No	Integral to Fixture	Mounted in solid cover	SVPD1
		Pre-wired for tile-mount	Installation in ceiling tile or J-Box cover	SVTPD1

Optional standalone and wireless connected integrated sensors require use of the DD (0-10V) driver. WaveLinx Pro and Enlighted sensors require additional system hardware (not provided) for full functionality. Tilemount sensor recommended for optimal sensor coverage on perimeter applications. Tilemount sensor not available with Chicago plenum option.

Standard sensor layout is shown below. Please refer to sensor coverage pattern diagrams to ensure proper coverage for the application. Standard configurations are available in both individual fixtures and in continuous runs. For optimal coverage, continuous runs will default to 8ft max section length.

For additional information integrated sensors and connected lighting, please visit [Cooper Lighting Solutions's Connected Lighting Website](#).

- Standard Sensor with Luminaire Control
- Auxiliary Sensor used for Sensor Coverage (wireless systems only)

INTEGRAL SENSOR

≤8ft Individual

>8ft Individual

Beginning of Run (BOR)

Intermediate Section (INT)

End of Run (EOR) ≤ 4ft

End of Run (EOR) > 4ft

TILEMOUNT SENSOR (OPTIMAL LOCATION)

Individual

Beginning of Run (BOR)

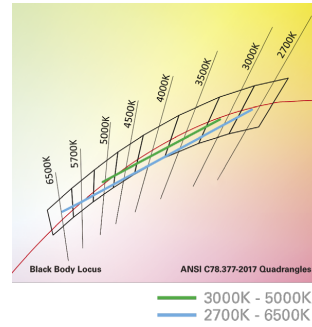
Intermediate Section (INT)

End of Run



Define 4 LED Recessed with VividTune Tunable White

VividTune tunable white luminaires deliver high-quality light in a broad range of continuously variable color temperatures and intensities. Create a dynamic environment by adjusting the ambient light warmer or cooler to influence mood, support the task at hand, or create a dramatic ambience. The ability to control correlated color temperature and intensity separately using simple controls is the next evolution of LED lighting for the commercial, educational, healthcare and hospitality space. The unparalleled flexibility and number of available lighting environments enable users to find the right light with tunable white.



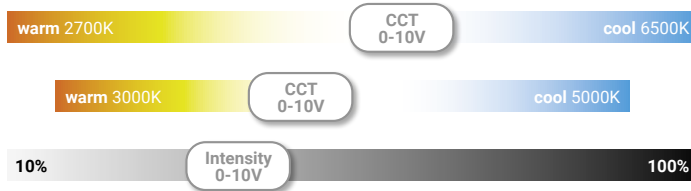
Performance Data*

Tunable White - Lumen Adjustment Factors				
CCT	3000K-5000K		2700K-6500K	
	80 CRI	90 CRI	80 CRI	90 CRI
2700K	-	-	0.868	0.741
3000K	0.894	0.736	0.893	0.771
3500K	0.946	0.804	0.924	0.809
4000K	0.993	0.868	0.944	0.835
4500K	1.002	0.883	0.961	0.857
5000K	1.002	0.883	0.974	0.874
6500K	-	-	0.988	0.897

Example of Approximate Lumen Calculation			
	Standard Catalog #	VividTune 80 CRI Catalog #	VividTune 90 CRI Catalog #
CCT Setting	S124DR-C1020D835-X-UDD-F-W	S124DR-V1020D83050-X-UW2A-F-W	S124DR-V1020D93050-X-UW2A-F-W
3000K	-	3648	3003
3500K	4080	3860	3280
4000K	-	4051	3541
4500K	-	4088	3603
5000K	-	4088	3603

Controlling VividTune Tunable White

VividTune luminaires make tunable white more accessible by using simple and familiar controls. From wall dimmers to wireless controls, VividTune tunable white luminaires are compatible with industry standard 0-10V dimming controls. A single 0-10V dimming input is used to control intensity (brightness) while a second 0-10V dimming input is used to adjust CCT. For suggested control configurations, go to www.cooperlightingsolutions.com for tunable white application guides.



Example of Lumen Adjustment Calculation

S124DR-V1020D83050-X-UW2A-F-W at 80 CRI tuned to 3500K

Adjusted Lumen = published lm x adjusted lm factor

Adjusted Lumen = 4080 x 0.946

Adjusted Lumen = 3860 lm

* Lumen adjustment factors are for reference and may be different for each product selected. Refer to IES files for actual performance data on each.



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Specifications and dimensions
subject to change without notice.

TD519033EN page 7
July 13, 2022 8:59 AM



d^{series}

D-Series DSXF2 LED Floodlight



Catalog Number

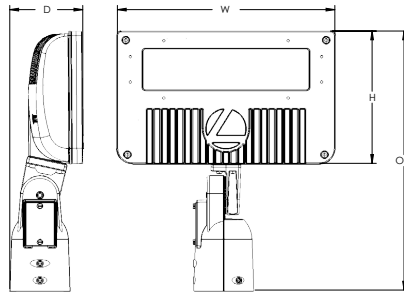
Notes

Type **TYPE OL4**

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA @ 90°:	0.8 ft ² (0.07 m ²)
Depth:	4.32" (11.0 cm)
Width:	12.87" (32.7 cm)
Height:	7.83" (19.9 cm)
Overall Height:	15.33" (39.0 cm)
Weight:	12.0 lbs (5.4 kg)



Introduction

The D-Series floodlights feature a site-wide offering to meet specifier's every floodlighting need in application. The D-Series flood offers three sizes delivering 3,000 to 27,000 lumens. Available with seven precision optics, three mountings and three color temperatures, D-Series floodlights offer vast design capabilities while delivering significant energy savings and long life.

The DSXF2 delivers 7,000 to 17,000 lumens, meeting a large breadth of illumination requirements for design and renovation when replacing 175W, 250W and 400W HID floodlights. All configurations are assembled in the USA allowing for quick delivery.

Ordering Information

EXAMPLE: DSXF2 LED P1 40K 70CRI MSP MVOLT THK DDBXD

DSXF2 LED	Performance Package	Color Temperature	CRI	Distribution	Voltage	Mounting
DSXF2 LED	P1 P2 P3 P4 ¹	30K 3000K 40K 4000K 50K 5000K	70CRI	WFL Wide flood (6X6) FL Flood (5X5) MFL Medium flood (4X4) WFR Wide flood, rectangular (6X5) HMF Horizontal flood (6X4) MSP Medium spot (4X4) NSP Narrow spot (3X3)	MVOLT ² 347 480	Shipped included THK Knuckle with 1/2" NPT threaded pipe YKC62 Yoke with 2ft 16-3 SO cord IS Integral slipfitter (fits 2-3/8" O.D. tenon)

Options	Shipped installed	Shipped separately ¹	Finish (required)
PE	Photocontrol, button style (MVOLT or 347V) ³	UBV Upper/bottom visor (universal)	DDBXD Dark bronze
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)	FV Full visor	DBLXD Black
SPD10KV	Separate surge protection	VG Vandal guard	DNAXD Natural aluminum
			DWHXD White

PBA: FINISH TO BE SELECTED BY ARCHITECT

Accessories⁴

Ordered and shipped separately.

DSXF1/2TS DDBXD U	Slipfitter for 1-1/4" to 2-3/8" OD tenons; 1/2" THK required (specify finish)
FTS CG6 DDBXD U	Slipfitter for 2-3/8" to 2-7/8" OD tenons; YKC62 required (specify finish)
FRWB DDBXD U	Radius wall bracket, 2-3/8" OD tenon (specify finish)
FSPB DDBXD U	Steel square pole bracket, 2-3/8" OD tenon (specify finish)
DSXF2UBV DDBXD U	Upper/bottom visor accessory (specify finish)
DSXF2FV DDBXD U	Full visor accessory (specify finish)
DSXF2VG U	Vandal guard accessory

For more mounting options, visit our [Floodlighting Accessories](#) pages.

NOTES

- Performance package P4 is not available with HMF, MFL, MSP and NSP optics.
- MVOLT driver operates on line voltage from 120-277V.
- Requires MVOLT or 347V (Not available in 480V).
- Also available as separate accessories; see Accessories information at left.



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DSXF2-LED
Rev. 04/13/23
Page 1 of 6

Mounting, Options and Accessories

Mountings



IS - Adjustable Slipfitter
(Fits 2-3/8" O.D. tenon)



**YKC62 - Yoke with 16-3
SO cord, 2ft**



**THK - Threaded Knuckle with
1/2" NPT threaded pipe**

External Shields



**UBV Visor
Top Mounted**



**UBV Visor
Bottom Mounted**



FV - Full Visor

Accessories



VG - Vandal Guard



**DSXF1/2TS - THK
Slipfitter Accessory**



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DSXF2-LED
Rev. 04/13/23
Page 2 of 6

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown within applicable tolerances. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist.Type	NEMA Type	Field Angle		Beam Angle		30K (3000K, 70 CRI)			40K (4000K, 70 CRI)			50K (5000K, 70 CRI)		
				"H	"V	"H	"V	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd
P1	52	WFL	6 X 6	109	106	83	87	7,353	140	3,777	7,489	143	3,847	7,625	145	3,917
		FL	5 X 5	94	93	68	69	7,290	139	5,804	7,426	142	5,912	7,561	144	6,019
		WFR	6 X 5	108	93	84	69	7,375	141	4,722	7,512	143	4,810	7,648	146	4,897
	64	HMF	6 X 4	125	65	96	54	7,576	119	6,204	7,850	123	6,428	7,774	122	6,365
		MFL	4 X 4	61	60	46	46	7,915	124	12,766	8,201	128	13,228	8,121	127	13,099
		MSP	4 X 4	51	52	27	30	8,138	128	29,618	8,433	132	30,690	8,351	131	30,391
P2	75	NSP	3 X 3	41	40	20	17	8,248	129	47,865	8,546	134	49,597	8,463	133	49,114
		WFL	6 X 6	109	106	83	87	10,161	135	5,219	10,349	138	5,316	10,538	140	5,142
		FL	5 X 5	94	93	68	69	10,192	136	6,526	10,262	137	8,169	10,448	139	8,318
	80	WFR	6 X 5	108	93	84	69	10,075	134	8,021	10,381	138	6,646	10,570	141	6,767
		HMF	6 X 4	125	65	96	54	8,963	113	7,340	9,288	117	7,605	9,197	115	7,531
		MFL	4 X 4	61	60	46	46	9,364	118	15,104	9,703	122	15,651	9,609	121	15,498
93	MSP	4 X 4	51	52	27	30	9,629	121	35,043	9,977	125	36,310	9,880	124	35,957	
	NSP	3 X 3	41	40	20	17	9,758	122	56,632	10,111	127	58,681	10,013	126	58,109	
	WFL	6 X 6	109	106	83	87	12,054	130	6,191	12,278	132	6,306	12,501	135	6,421	
P3	100	FL	5 X 5	94	93	68	69	11,952	129	9,515	12,173	131	9,691	12,395	133	9,868
		WFR	6 X 5	108	93	84	69	12,091	130	7,741	12,315	133	7,885	12,539	135	8,028
		HMF	6 X 4	125	65	96	54	10,487	105	8,588	10,867	109	8,898	10,761	108	8,812
	145	MFL	4 X 4	61	60	46	46	10,956	110	17,672	11,353	114	18,311	11,242	113	18,133
		MSP	4 X 4	51	52	27	30	11,266	113	41,000	11,674	117	42,483	11,560	116	42,070
		NSP	3 X 3	41	40	20	17	11,417	114	66,260	11,830	119	68,657	11,715	117	67,988
P4	WFL	6 X 6	109	106	83	87	17,104	118	8,785	17,421	120	8,948	17,738	123	9,110	
	FL	5 X 5	94	93	68	69	16,959	117	13,501	17,273	119	13,751	17,587	122	14,001	
	WFR	6 X 5	108	93	84	69	17,156	119	10,984	17,473	121	11,188	17,791	123	11,391	

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient Temperature		Lumen Multiplier (Optics WFL, FL, WFR)	Lumen Multiplier (Optics HMF, MFL, MSP, NSP)
0°C	32°F	1.04	1.06
5°C	41°F	1.04	1.05
10°C	50°F	1.03	1.04
15°C	59°F	1.02	1.03
20°C	68°F	1.01	1.01
25°C	77°F	1.00	1.00
30°C	86°F	0.99	0.99
35°C	95°F	0.98	0.97
40°C	104°F	0.97	0.96

Reported LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient and hours of LED testing (tested per IESNA LM-80-08 and reported per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Optic Type	Performance Package	TM-21 Percent Lumen Maintenance at 60,000 hrs
WFL, FL, WFR	P1 / P2 / P3 / P4	85%
MFL, HMF, MSP, NSP	P1 / P2 / P3	88%

Electrical Load

Performance Package	System Watts (W)	Current (A)						
		120V	208V	240V	277V	347V	480V	
Optic Type WFL, FL, WFR	P1	52	0.45	0.26	0.23	0.20	0.16	0.12
	P2	75	0.63	0.36	0.31	0.27	0.22	0.16
	P3	93	0.77	0.45	0.38	0.33	0.27	0.20
	P4	145	1.18	0.68	0.59	0.51	0.41	0.30
Optic Type HMF, MFL, MSP, NSP	P1	64	0.54	0.31	0.27	0.23	0.19	0.14
	P2	80	0.67	0.39	0.34	0.29	0.24	0.17
	P3	100	0.85	0.49	0.42	0.36	0.29	0.21



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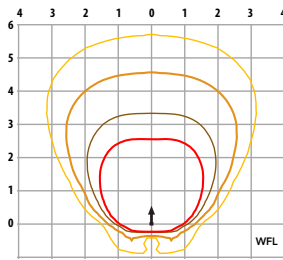
DSXF2-LED
Rev. 04/13/23
Page 3 of 6

Photometric Diagrams

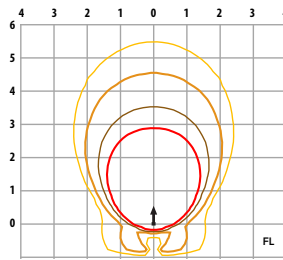
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Flood Size 2 homepage](#).

Isofootcandle plots for DSXF2. Distances are in units of mounting height (20ft).

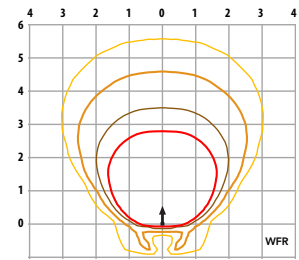
LEGEND
 0.1 fc
 0.25 fc
 0.5 fc
 1.0 fc



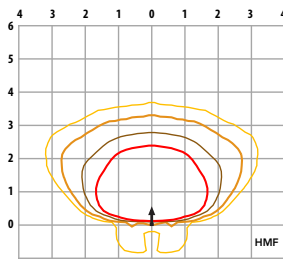
DSXF2 LED P4 40K - Tilted at 45°



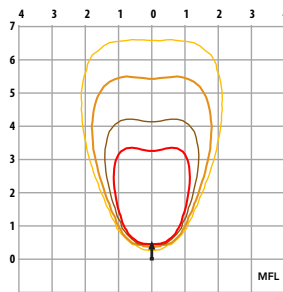
DSXF2 LED P4 40K - Tilted at 45°



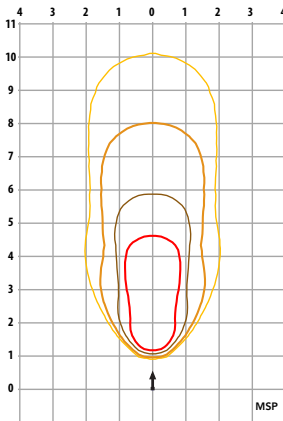
DSXF2 LED P4 40K - Tilted at 45°



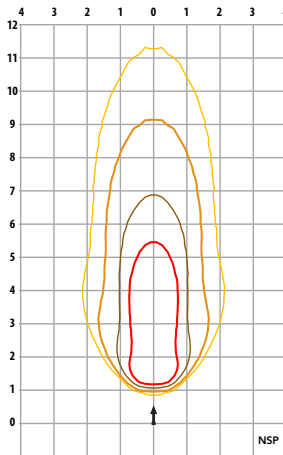
DSXF2 LED P3 40K - Tilted at 45°



DSXF2 LED P3 40K - Tilted at 60°



DSXF2 LED P3 40K - Tilted at 80°



DSXF2 LED P3 40K - Tilted at 80°

MH = 20ft
 Grid = 20ft x 20ft



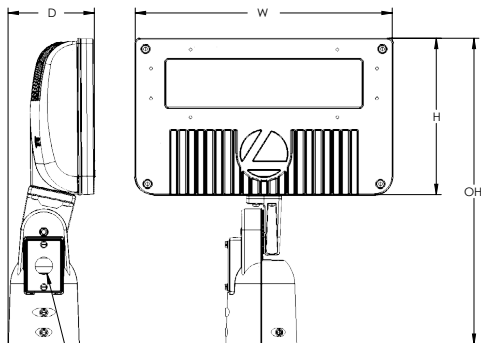
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 Rev. 04/13/23
 Page 4 of 6

Dimensions

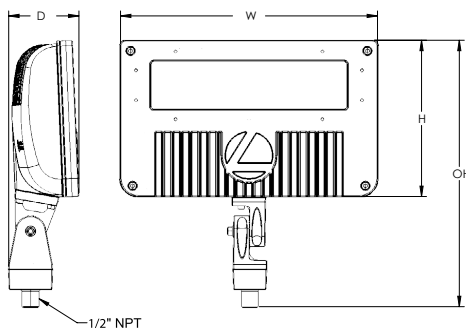
Adjustable Slipfitter (IS)



Width: 12.87" (32.7 cm)
 Depth: 4.32" (11.0 cm)
 Height: 7.83" (19.9 cm) main body
 Overall: 15.33" (39.0 cm) with arm
 Weight: 12 lbs

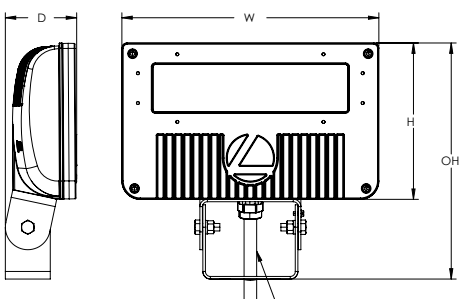
Qty (2) - splice covers included (includes one with 7/8" thru-hole allowing conduit from exterior)

Threaded Knuckle (THK)



Width: 12.87" (32.7 cm)
 Depth: 3.52" (8.9 cm)
 Height: 7.83" (19.9 cm) main body
 Overall: 13.34" (33.9 cm) with arm
 Weight: 10.5 lbs

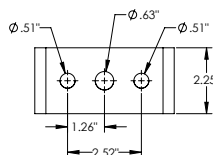
Yoke (YKC62)



Width: 12.87" (32.7 cm)
 Depth: 3.57" (9.0 cm)
 Height: 7.83" (19.9 cm) main body
 Overall: 11.82" (30.0 cm) with arm
 Weight: 10.5 lbs

Note: Standard cord is 16-3 wire, 2 ft cord. Other lengths can be specified.
 Ex: YKC62
 YK = Yoke Mount
 C6 = 16 gage, 3 wire cord
 2 = 2 feet (5 = 5ft, 6 = 6ft, etc.)

Yoke (YK) Mounting Detail



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DSXF2-LED
 Rev. 04/13/23
 Page 5 of 6

Pole Mounting Information

Accessories including bullhorns, cross arms and other adapters are available. For the complete line of accessories available, visit the accessories tab at Lithonia's Outdoor Poles and Arms product page. [Click here to visit Accessories.](#)

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek and compact design of the D-Series floodlights reflects the embedded high performance LED technology while offering a clean aesthetic suitable for specification and general purpose floodlighting applications. Three sizes are available with seven precision optics allowing for maximum design versatility. DSXF2 delivers 7,000 to 17,000 lumens and is ideal for commercial lighting applications including new construction and replacing 175W, 250W and 400W HID floodlights. DSXF2 is ideal for area, security, facade, flagpole and signage lighting applications.

CONSTRUCTION

The DSXF2 LED floodlight features rugged die-cast aluminum construction with integral heat sink fins that optimize thermal management through conductive and convective cooling. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. The housing and lens frame are completely sealed against moisture and environmental contaminants providing an IP66 rating. Low EPA (0.8 ft2) for optimized wind loading. DSXF2 is 1.5G vibration rated per ANSI C136.31.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, and white. Available in textured and non-textured finishes.

OPTICS

Seven unique precision-molded vacuum-metalized specular reflectors are engineered for superior field-to-beam ratios, uniformity and spacing. Light engines are available in 3000K, 4000K or 5000K (minimum 70 CRI) configurations. Optional visors offer additional versatility when shielding is required.

ELECTRICAL

Light engines consist of chip-on-board (COB) LEDs directly coupled to the housing to maximize heat dissipation and promote long life. LED lumen maintenance is L85/60,000 hours for WFL, FL and WFR optics and L88/60,000 hours for HMF, MFL, MSP and NSP optics. Class 1 electronic 0-10V continuous dimmable drivers ensure system power factor. 90% and THD <20%. Optional 10kV surge protection device meets a minimum Category C low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

The die-cast integral "15" mount features an adjustable slipfitter that mounts on a 2 3/8" OD tenon. Includes integral splice compartment offering easy installation and wiring. An extra cover plate with 7/8" through hole is provided to accommodate 1/2" water-tight fitting for power run from outside of the tenon. The "THK" adjustable knuckle mount includes a 1/2-14 NPT pipe thread. A steel yoke "YK" mount is available and includes a water tight cord grip and cord. DSXF2 features a glass lens enclosure that is protected to IP66 and is rated for lighting aimed up above 90°. Suitable for mounting within 4 feet of ground.

CONTROLS

DSXF2 features MVOLT (120-277V) and 347V button photocontrol.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN ACT

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



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DSXF2-LED
Rev. 04/13/23
Page 6 of 6



D-Series Size 0 LED Area Luminaire



Catalog Number	
Notes	
Type	OL5

Hit the Tab key or mouse over the page to see all interactive elements.

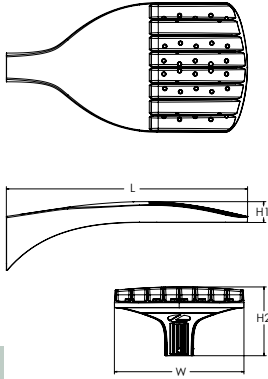
Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

Specifications

EPA:	0.44 ft ² (0.04 m ²)
Length:	26.18" (66.5 cm)
Width:	14.06" (35.7 cm)
Height H1:	2.26" (5.7 cm)
Height H2:	7.46" (18.9 cm)
Weight:	23 lbs (10.4 kg)



Design Select options indicated by this color background.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect. *See ordering tree for details

Ordering Information

EXAMPLE: DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED	Series	LEDs	Color temperature ³	Color Rendering Index ²	Distribution	Voltage	Mounting	
DSX0 LED	Forward optics	P1 P5 P2 P6 P3 P7 P4	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare ³ T4M Type IV medium T4LG Type IV low glare ³ TFTM Forward throw medium	T5M Type V medium T5LG Type V low glare T5W Type V wide BLC3 Type III backlight control ³ BLC4 Type IV backlight control ³ LCCO Left corner cutoff ³ RCCO Right corner cutoff ³	MVOLT (120V-277V) ⁴ HVOLT (347V-480V) ^{5,6} XVOLT (277V-480V) ^{7,8} 120 ^{16,24} 208 ^{16,24} 240 ^{16,24} 277 ^{16,24} 347 ^{16,24} 480 ^{16,24}	Shipped included SPA Square pole mounting (#8 drilling, 3.5" min. SQ pole) RPA Round pole mounting (#8 drilling, 3" min. RND pole) SPA5 Square pole mounting (#5 drilling, 3" min. SQ pole) ⁹ RPA5 Round pole mounting (#5 drilling, 3" min. RND pole) ⁹ SPA8N Square narrow pole mounting (#8 drilling, 3" min. SQ pole) WBA Wall bracket ¹⁰ MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)
	Rotated optics	P10 ¹ P12 ¹ P11 ¹ P13 ¹	(this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	80CRI 80CRI 80CRI 80CRI 80CRI				

Control options	Other options	Finish (required)
Shipped installed NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. ^{11, 12, 18, 19} PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. ^{13, 18, 19} PER NEMA twist-lock receptacle only (controls ordered separate) ¹⁴ PERS Five-pin receptacle only (controls ordered separate) ^{14, 19}	Shipped installed HS Houseside shield (black finish standard) ²⁰ L90 Left rotated optics ¹ R90 Right rotated optics ¹ CCE Coastal Construction ²¹ HA 50°C ambient operation ²² BAA Buy America(n) Act and/or Build America Buy America Qualified SF Single fuse (120, 277, 347V) ²⁴ DF Double fuse (208, 240, 480V) ²⁴ Shipped separately EGSR External Glare Shield (reversible, field install required, matches housing finish) BSDB Bird Spikes (field install required)	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white
PER7 Seven-pin receptacle only (controls ordered separate) ^{14, 19} FAO Field adjustable output ^{15, 19} BL30 Bi-level switched dimming, 30% ^{16, 19} BLS0 Bi-level switched dimming, 50% ^{16, 19} DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷		



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DSX0-LED
Rev. 10/09/24
Page 1 of 9

COMMERCIAL OUTDOOR

Ordering Information

Accessories

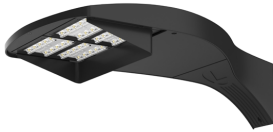
Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²¹
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²¹
DL1480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²¹
DSHORT SBK	Shorting cap ²¹
DSXHS #	House-side shield (enter package number P1-7, P10-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXRPAS (FINISH)	Round pole adapter #5 drilling (specify finish)
DSXSPAS (FINISH)	Square pole adapter #5 drilling (specify finish)
DSXEGSR (FINISH)	External glare shield (specify finish)
DSXBSDB (FINISH)	Bird spike deterrent bracket (specify finish)

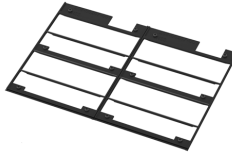
NOTES

- Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
- 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- HVOLT not available with package P1, P2 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
- XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- XVOLT not available in packages P1, P2 or P10. XVOLT not available with fusing (SF or DF).
- SPAS and RPAS for use with #5 drilling only (Not for use with #8 drilling).
- WBA cannot be combined with Type 5 distributions plus photocell (PER).
- NLTAIR2 and PIRHN must be ordered together. For more information on nLight Air 2.
- NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50 and DMG. NLTAIR2 PIRHN not available with P1, P2 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1, P2 and P10 using XVOLT. NLTAIR2 PIRHN not available with P1 using MVOLT.
- PIR not available with NLTAIR2, PER, PER5, PER7, FAO, BL30, BL50 and DMG. PIR not available with P1, P2 and P10 using HVOLT. PIR not available with P1, P2 and P10 using XVOLT. PIR not available with P1 using MVOLT.
- PER/PER5/PER7 not available with NLTAIR2, PIR, BL30, BL50. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, or DMG.
- BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO and DMG. BL30 or BL50 must specify 120, 277 or 347V. Consult tech support for 208, 240 or 480V.
- DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50 and FAO.
- Reference Motion Sensor Default Settings table on page 4 to see functionality.
- Reference Controls Options table on page 4.
- Option HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- CCE option not available with option BS and EGSR. Contact Technical Support for availability.
- Option HA not available with performance packages P6, P7, P12 and P13.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

Shield Accessories



External Glare Shield (EGSR)

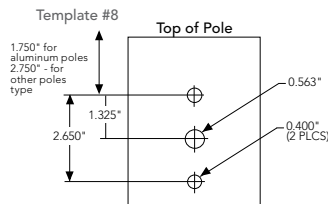
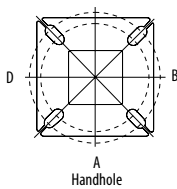


House Side Shield (HS)

Drilling

HANDHOLE ORIENTATION

(from top of pole)



Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
Minimum Acceptable Outside Pole Dimension							
SPA	#8	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPAS	#5	3"	3"	3"	3"	3"	3"
RPAS	#5	3"	3"	3"	3"	3"	3"
SPABN	#8	3"	3"	3"	3"	3"	3"

DSX0 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX0 with SPA	0.44	0.88	0.96	1.18	---	1.16
DSX0 with SPAS, SPABN	0.51	1.02	1.06	1.26	---	1.29
DSX0 with RPA, RPAS	0.51	1.02	1.06	1.26	1.24	1.29
DSX0 with MA	0.64	1.28	1.24	1.67	1.70	1.93



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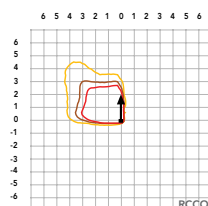
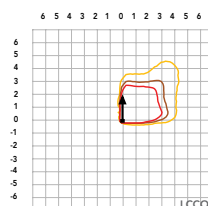
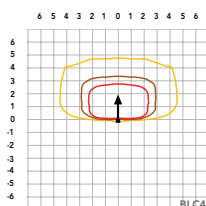
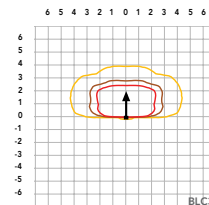
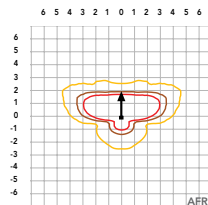
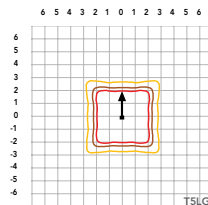
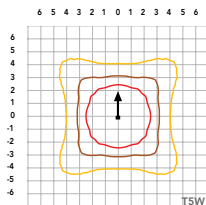
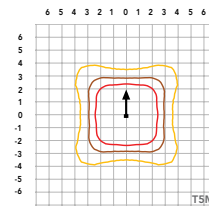
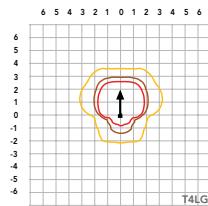
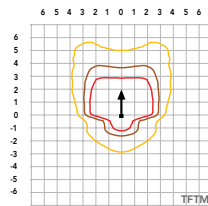
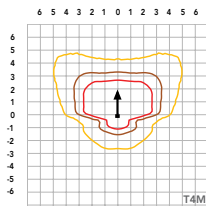
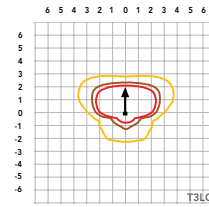
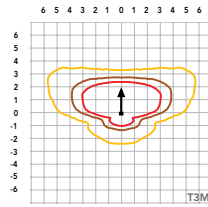
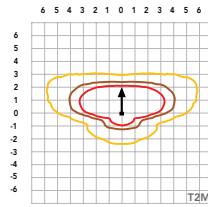
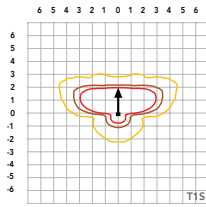
DSX0-LED
Rev. 10/09/24
Page 2 of 9

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [homepage](#).

Isofootcandle plots for the DSXO LED P7 40K 70CRI. Distances are in units of mounting height (20').

LEGEND
■ 0.1 fc
■ 0.5 fc
■ 1.0 fc



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DSXO-LED
 Rev. 10/09/24
 Page 3 of 9

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C	1.04
5°C	1.04
10°C	1.03
15°C	1.02
20°C	1.01
25°C	1.00
30°C	0.99
35°C	0.98
40°C	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.94
50,000	0.89
100,000	0.80

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use published values for each package based on input watts and lumens by optic type.

Electrical Load

Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A)						
				120V	208V	240V	277V	347V	480V	
Forward Optics (Non-Rotated)	P1	20	530	34	0.28	0.16	0.14	0.12	0.10	0.07
	P2	20	700	45	0.38	0.22	0.19	0.16	0.13	0.09
	P3	20	1050	69	0.57	0.33	0.29	0.25	0.20	0.14
	P4	20	1400	94	0.78	0.45	0.39	0.34	0.27	0.19
	P5	40	700	89	0.75	0.43	0.38	0.33	0.26	0.19
	P6	40	1050	136	1.14	0.66	0.57	0.49	0.39	0.29
	P7	40	1300	170	1.42	0.82	0.71	0.62	0.49	0.36
Rotated Optics (Requires L90 or R90)	P10	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P11	30	700	67	0.57	0.33	0.28	0.25	0.20	0.14
	P12	30	1050	103	0.86	0.50	0.43	0.37	0.30	0.22
	P13	30	1300	129	1.07	0.62	0.54	0.46	0.37	0.27

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80 CRI		90 CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V



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DSX0-LED
Rev. 10/09/24
Page 4 of 9

COMMERCIAL OUTDOOR

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	33W	20	530	T1S	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157
				T2M	4,545	1	0	2	137	4,736	1	0	2	143	4,829	1	0	2	145
				T3M	4,597	1	0	2	138	4,791	1	0	2	144	4,885	1	0	2	147
				T3LG	4,107	1	0	1	124	4,280	1	0	1	129	4,363	1	0	1	131
				T4M	4,666	1	0	2	141	4,863	1	0	2	146	4,957	1	0	2	149
				T4LG	4,244	1	0	1	128	4,423	1	0	1	133	4,509	1	0	1	136
				TFTM	4,698	1	0	2	141	4,896	1	0	2	147	4,992	1	0	2	150
				T5M	4,801	3	0	1	145	5,003	3	0	1	151	5,101	3	0	1	154
				T5W	4,878	3	0	1	147	5,084	3	0	2	153	5,183	3	0	2	156
				TSLG	4,814	2	0	1	145	5,018	2	0	1	151	5,115	2	0	1	154
				BLC3	3,344	0	0	1	101	3,485	0	0	1	105	3,553	0	0	1	107
				BLC4	3,454	0	0	2	104	3,599	0	0	2	108	3,670	0	0	2	111
				RCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108
				LCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108
				AFR	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157
P2	45W	20	700	T1S	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
				T2M	5,862	1	0	2	130	6,109	1	0	2	135	6,228	1	0	2	138
				T3M	5,930	1	0	3	131	6,180	1	0	3	137	6,301	1	0	3	140
				T3LG	5,297	1	0	1	117	5,521	1	0	1	122	5,628	1	0	1	125
				T4M	6,018	1	0	3	133	6,272	1	0	3	139	6,395	1	0	3	142
				T4LG	5,474	1	0	1	121	5,705	1	0	1	126	5,816	1	0	1	129
				TFTM	6,060	1	0	3	134	6,316	1	0	3	140	6,439	1	0	3	143
				T5M	6,192	3	0	1	137	6,453	3	0	2	143	6,579	3	0	2	146
				T5W	6,293	3	0	2	139	6,558	3	0	2	145	6,686	3	0	2	148
				TSLG	6,210	2	0	1	138	6,472	3	0	1	143	6,598	3	0	1	146
				BLC3	4,313	0	0	2	96	4,495	0	0	2	100	4,583	0	0	2	102
				BLC4	4,455	0	0	2	99	4,643	0	0	2	103	4,733	0	0	2	105
				RCCO	4,352	0	0	2	96	4,536	0	0	2	100	4,624	0	0	2	102
				LCCO	4,352	0	0	2	96	4,536	0	0	2	100	4,624	0	0	2	102
				AFR	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
P3	69W	20	1050	T1S	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
				T2M	8,343	2	0	3	121	8,694	2	0	3	126	8,864	2	0	3	129
				T3M	8,439	2	0	3	122	8,795	2	0	3	128	8,967	2	0	3	130
				T3LG	7,539	1	0	2	109	7,857	1	0	2	114	8,010	1	0	2	116
				T4M	8,565	2	0	3	124	8,926	2	0	3	129	9,100	2	0	3	132
				T4LG	7,790	1	0	2	113	8,119	1	0	2	118	8,277	1	0	2	120
				TFTM	8,624	1	0	3	125	8,988	1	0	3	130	9,163	2	0	3	133
				T5M	8,812	3	0	2	128	9,184	4	0	2	133	9,363	4	0	2	136
				T5W	8,955	4	0	2	130	9,333	4	0	2	135	9,515	4	0	2	138
				TSLG	8,838	3	0	1	128	9,211	3	0	1	134	9,390	3	0	1	136
				BLC3	6,139	0	0	2	89	6,398	0	0	2	93	6,522	0	0	2	95
				BLC4	6,340	0	0	3	92	6,607	0	0	3	96	6,736	0	0	3	98
				RCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95
				LCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95
				AFR	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
P4	93W	20	1400	T1S	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2	0	2	130
				T2M	10,557	2	0	3	113	11,003	2	0	3	118	11,217	2	0	3	121
				T3M	10,680	2	0	3	115	11,130	2	0	3	120	11,347	2	0	3	122
				T3LG	9,540	1	0	2	103	9,942	1	0	2	107	10,136	1	0	2	109
				T4M	10,839	2	0	3	117	11,296	2	0	3	121	11,516	2	0	4	124
				T4LG	9,858	1	0	2	106	10,274	1	0	2	110	10,474	1	0	2	113
				TFTM	10,914	2	0	3	117	11,374	2	0	3	122	11,596	2	0	3	125
				T5M	11,152	4	0	2	120	11,622	4	0	2	125	11,849	4	0	2	127
				T5W	11,332	4	0	3	122	11,811	4	0	3	127	12,041	4	0	3	129
				TSLG	11,184	3	0	1	120	11,656	3	0	2	125	11,883	3	0	2	128
				BLC3	7,768	0	0	2	83	8,096	0	0	2	87	8,254	0	0	2	89
				BLC4	8,023	0	0	3	86	8,362	0	0	3	90	8,524	0	0	3	92
				RCCO	7,838	1	0	2	84	8,169	1	0	2	88	8,328	1	0	2	90
				LCCO	7,838	1	0	2	84	8,169	1	0	2	88	8,328	1	0	2	90
				AFR	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2	0	2	130



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DSX0-LED
 Rev. 10/09/24
 Page 5 of 9

COMMERCIAL OUTDOOR

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	90W	40	700	T1S	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
				T2M	11,468	2	0	3	127	11,952	2	0	3	133	12,185	2	0	3	135
				T3M	11,601	2	0	3	129	12,091	2	0	3	134	12,326	2	0	4	137
				T3LG	10,363	2	0	2	115	10,800	2	0	2	120	11,011	2	0	2	122
				T4M	11,774	2	0	4	131	12,271	2	0	4	136	12,510	2	0	4	139
				T4LG	10,709	1	0	2	119	11,160	2	0	2	124	11,378	2	0	2	126
				TFTM	11,856	2	0	3	132	12,356	2	0	4	137	12,596	2	0	4	140
				T5M	12,114	4	0	2	134	12,625	4	0	2	140	12,871	4	0	2	143
				T5W	12,310	4	0	3	137	12,830	4	0	3	142	13,080	4	0	3	145
				TSLG	12,149	3	0	2	135	12,662	3	0	2	141	12,908	3	0	2	143
				BLC3	8,438	0	0	2	94	8,794	0	0	2	98	8,966	0	0	2	99
				BLC4	8,715	0	0	3	97	9,083	0	0	3	101	9,260	0	0	3	103
				RCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				LCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				AFR	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
				P6	137W	40	1050	T1S	17,545	2	0	3	128	18,285	2	0	3	133	18,642
T2M	16,253	3	0					4	119	16,939	3	0	4	124	17,269	3	0	4	126
T3M	16,442	2	0					4	120	17,135	3	0	4	125	17,469	3	0	4	128
T3LG	14,687	2	0					2	107	15,306	2	0	2	112	15,605	2	0	2	114
T4M	16,687	2	0					4	122	17,391	3	0	5	127	17,730	3	0	5	129
T4LG	15,177	2	0					2	111	15,817	2	0	2	115	16,125	2	0	2	118
TFTM	16,802	2	0					4	123	17,511	2	0	4	128	17,852	2	0	5	130
T5M	17,168	4	0					2	125	17,893	5	0	3	131	18,241	5	0	3	133
T5W	17,447	5	0					3	127	18,183	5	0	3	133	18,537	5	0	3	135
TSLG	17,218	4	0					2	126	17,944	4	0	2	131	18,294	4	0	2	134
BLC3	11,959	0	0					3	87	12,464	0	0	3	91	12,707	0	0	3	93
BLC4	12,352	0	0					4	90	12,873	0	0	4	94	13,124	0	0	4	96
RCCO	12,067	1	0					3	88	12,576	1	0	3	92	12,821	1	0	3	94
LCCO	12,067	1	0					3	88	12,576	1	0	3	92	12,821	1	0	3	94
AFR	17,545	2	0					3	128	18,285	2	0	3	133	18,642	2	0	3	136
P7	171W	40	1300					T1S	20,806	2	0	3	122	21,683	2	0	3	127	22,106
				T2M	19,273	3	0	4	113	20,086	3	0	4	118	20,478	3	0	4	120
				T3M	19,497	3	0	5	114	20,319	3	0	5	119	20,715	3	0	5	121
				T3LG	17,416	2	0	2	102	18,151	2	0	2	106	18,504	2	0	2	108
				T4M	19,787	3	0	5	116	20,622	3	0	5	121	21,024	3	0	5	123
				T4LG	17,997	2	0	2	105	18,756	2	0	2	110	19,121	2	0	2	112
				TFTM	19,924	3	0	5	117	20,765	3	0	5	122	21,170	3	0	5	124
				T5M	20,359	5	0	3	119	21,217	5	0	3	124	21,631	5	0	3	127
				T5W	20,689	5	0	3	121	21,561	5	0	3	126	21,982	5	0	3	129
				TSLG	20,418	4	0	2	120	21,279	4	0	2	125	21,694	4	0	2	127
				BLC3	14,182	0	0	3	83	14,780	0	0	3	87	15,068	0	0	3	88
				BLC4	14,647	0	0	4	86	15,265	0	0	4	89	15,562	0	0	4	91
				RCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				LCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				AFR	20,806	2	0	3	122	21,683	2	0	3	127	22,106	2	0	3	129



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DSX0-LED
 Rev. 10/09/24
 Page 6 of 9

COMMERCIAL OUTDOOR

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Rotated Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P10	51W	30	530	T1S	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
				T2M	6,854	3	0	3	135	7,144	3	0	3	140	7,283	3	0	3	143
				T3M	6,933	3	0	3	136	7,225	3	0	3	142	7,366	3	0	3	145
				T3LG	6,194	2	0	2	122	6,455	2	0	2	127	6,581	2	0	2	129
				T4M	7,036	3	0	3	138	7,333	3	0	3	144	7,476	3	0	3	147
				T4LG	6,399	2	0	2	126	6,669	2	0	2	131	6,799	2	0	2	134
				TFTM	7,086	3	0	3	139	7,385	3	0	3	145	7,529	3	0	3	148
				T5M	7,239	3	0	2	142	7,545	3	0	2	148	7,692	3	0	2	151
				T5W	7,357	3	0	2	145	7,667	3	0	2	151	7,816	4	0	2	154
				TSLG	7,260	3	0	1	143	7,567	3	0	1	149	7,714	3	0	1	152
				BLC3	5,043	3	0	3	99	5,256	3	0	3	103	5,358	3	0	3	105
				BLC4	5,208	3	0	3	102	5,428	3	0	3	107	5,534	3	0	3	109
				RCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				LCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				AFR	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
				P11	68W	30	700	T1S	9,358	3	0	3	138	9,753	3	0	3	143	9,943
T2M	8,669	3	0					3	127	9,034	3	0	3	133	9,211	3	0	3	135
T3M	8,768	3	0					3	129	9,138	3	0	3	134	9,316	3	0	3	137
T3LG	7,833	3	0					3	115	8,164	3	0	3	120	8,323	3	0	3	122
T4M	8,899	3	0					3	131	9,274	3	0	3	136	9,455	3	0	3	139
T4LG	8,093	3	0					3	119	8,435	3	0	3	124	8,599	3	0	3	126
TFTM	8,962	3	0					3	132	9,340	3	0	3	137	9,522	3	0	3	140
T5M	9,156	4	0					2	135	9,542	4	0	2	140	9,728	4	0	2	143
T5W	9,304	4	0					2	137	9,696	4	0	2	143	9,885	4	0	2	145
TSLG	9,182	3	0					1	135	9,569	3	0	1	141	9,756	3	0	1	143
BLC3	6,378	3	0					3	94	6,647	3	0	3	98	6,777	3	0	3	100
BLC4	6,587	3	0					3	97	6,865	3	0	3	101	6,999	3	0	3	103
RCCO	6,436	0	0					2	95	6,707	0	0	2	99	6,838	0	0	2	101
LCCO	6,436	0	0					2	95	6,707	0	0	2	99	6,838	0	0	2	101
AFR	9,358	3	0					3	138	9,753	3	0	3	143	9,943	3	0	3	146
P12	103W	30	1050					T1S	13,247	3	0	3	128	13,806	3	0	3	134	14,075
				T2M	12,271	4	0	4	119	12,789	4	0	4	124	13,038	4	0	4	126
				T3M	12,412	4	0	4	120	12,935	4	0	4	125	13,187	4	0	4	128
				T3LG	11,089	3	0	3	107	11,556	3	0	3	112	11,782	3	0	3	114
				T4M	12,597	4	0	4	122	13,128	4	0	4	127	13,384	4	0	4	129
				T4LG	11,457	3	0	3	111	11,940	3	0	3	116	12,173	3	0	3	118
				TFTM	12,686	4	0	4	123	13,221	4	0	4	128	13,479	4	0	4	130
				T5M	12,960	4	0	2	125	13,507	4	0	2	131	13,770	4	0	2	133
				T5W	13,170	4	0	3	127	13,726	4	0	3	133	13,994	4	0	3	135
				TSLG	12,998	3	0	2	126	13,546	3	0	2	131	13,810	3	0	2	134
				BLC3	9,029	3	0	3	87	9,409	3	0	3	91	9,593	3	0	3	93
				BLC4	9,324	4	0	4	90	9,718	4	0	4	94	9,907	4	0	4	96
				RCCO	9,110	1	0	2	88	9,495	1	0	2	92	9,680	1	0	2	94
				LCCO	9,110	1	0	2	88	9,494	1	0	2	92	9,680	1	0	2	94
				AFR	13,247	3	0	3	128	13,806	3	0	3	134	14,075	3	0	3	136
				P13	129W	30	1300	T1S	15,704	3	0	3	122	16,366	3	0	3	127	16,685
T2M	14,547	4	0					4	113	15,161	4	0	4	118	15,457	4	0	4	120
T3M	14,714	4	0					4	114	15,335	4	0	4	119	15,634	4	0	4	121
T3LG	13,145	3	0					3	102	13,700	3	0	3	106	13,967	3	0	3	108
T4M	14,933	4	0					4	116	15,563	4	0	4	121	15,867	4	0	4	123
T4LG	13,582	3	0					3	105	14,155	3	0	3	110	14,431	3	0	3	112
TFTM	15,039	4	0					4	117	15,673	4	0	4	122	15,979	4	0	4	124
T5M	15,364	4	0					2	119	16,013	4	0	2	124	16,325	4	0	2	127
T5W	15,613	5	0					3	121	16,272	5	0	3	126	16,589	5	0	3	129
TSLG	15,409	3	0					2	120	16,059	3	0	2	125	16,372	4	0	2	127
BLC3	10,703	4	0					4	83	11,155	4	0	4	87	11,372	4	0	4	88
BLC4	11,054	4	0					4	86	11,520	4	0	4	89	11,745	4	0	4	91
RCCO	10,800	1	0					2	84	11,256	1	0	2	87	11,475	1	0	2	89
LCCO	10,800	1	0					2	84	11,255	1	0	2	87	11,475	1	0	2	89
AFR	15,704	3	0					3	122	16,366	3	0	3	127	16,685	4	0	4	130

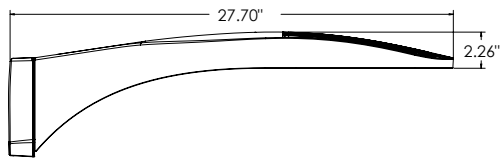


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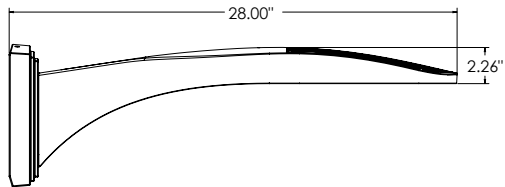
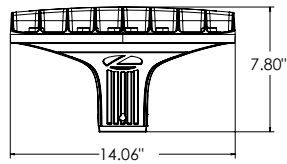
DSX0-LED
Rev. 10/09/24
Page 7 of 9

COMMERCIAL OUTDOOR

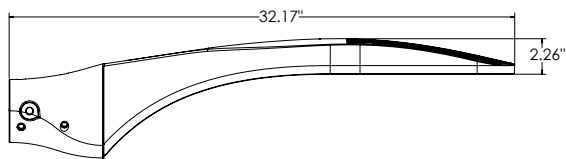
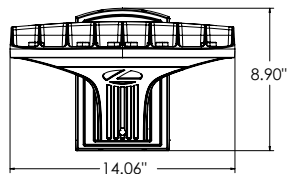
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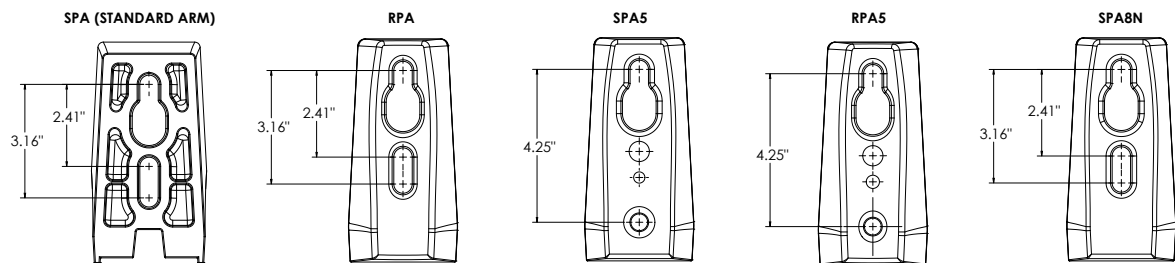
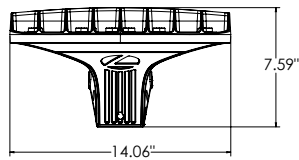
DSX0 with RPA, RPA5, SPA5, SPA8N mount
Weight: 25 lbs



DSX0 with WBA mount
Weight: 27 lb

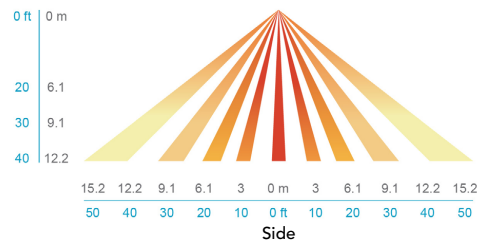
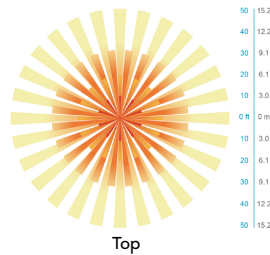


DSX0 with MA mount
Weight: 28 lbs



nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern NLTAIR2 PIRHN



FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G. Low EPA (0.44 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

COASTAL CONSTRUCTION (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scrub rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L80/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. DSX Size 0, comes standard with 0-10V dimming driver. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. PIR integrated motion sensor with on-board photocell feature field-adjustable programming and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS

The DSX0 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/CPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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DSX0-LED
Rev. 10/09/24
Page 9 of 9

COMMERCIAL OUTDOOR



FEATURES & SPECIFICATIONS

INTENDED USE — Suitable for applications requiring attractive edge-lit exit signage, universal installation and low energy consumption.

CONSTRUCTION — Extruded brushed aluminum finish.

Clear acrylic panels- letters measure 6" high with 3/4" stroke, with 100 ft viewing distance rating, based upon UL 924 standard.

For single-face clear panels, EXIT is seen as a reversed image from the back.

OPTICS — LEDs mounted on printed circuit board. The typical life of the exit LED lamp is 10 years.

The LED operating frequency is 120Hz.

ELECTRICAL — Dual voltage input capacity (120/277V).

Battery: (EL Option) — Sealed, maintenance free nickel-cadmium battery delivers 90 minutes capacity to emergency lamps. Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.

Self-diagnostic testing (EL Option Only) for 30 seconds every 30 days and 90 minutes annually. Diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition.

INSTALLATION — EDG — Universal mounting canopy for top or end mount. Back mount standard for single face only. Canopy provided.

EDGR — Recessed mounting. Bar hanger and brackets provided for both new or restricted ceiling access installation applications. Available for use in drop ceiling applications. Back wall mount (WM) option.

Universal directional indicators. Field selected and attached.

LISTINGS — UL damp location listed 32°-122°F (0°-50°C) standard. Meets UL924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. Meets all applicable FCC Title 47, Part 15, Subpart B requirements.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

† Exit Signs Certified in the CA Title 20 Appliance Efficiency Database.

Catalog Number
Notes
Type X



EDG (surface mount)



EDGR (recessed mount)

LED Edge-Lit Exits

EDG EDGR

LED Lamps

PROVIDE SELECTED FIXTURE OR ENGINEER APPROVED ALTERNATE.



Specifications

EDG (End Mount)	EDG (Top Mount)
Length: 13-5/8 (34.6)	Length: 13 (33.0)
Depth: 5-1/2(14.0)	Depth: 4-5/16 (11.0)
Height: 11-1/8 (28.3)	Height: 11-3/4 (29.8)
Shipping Weight : 4 lbs (1.8 kgs)	Shipping Weight : 4 lbs (1.8 kgs)
EDG (Back Mount)	EDGR
Length: 13 (33.0)	Length: 13 (33.0)
Depth: 3 (7.6)	Depth: 1-3/4 (4.4)
Height: 11-1/8 (28.3)	Height: 8 (20.3)
Shipping Weight : 4 lbs (1.8 kgs)	Shipping Weight : 6.8 lbs (3.1 kgs)
	Shipping Weight (WM option) : 8.1 lbs (3.7 kgs)

All dimensions are inches (centimeters) unless otherwise noted.

ORDERING INFORMATION For shortest lead times, configure products using **bolded options**. Example: EDG 1 R EL

Family	Housing color	Number of faces	Letter color	Operations	Options
EDG Surface mount LED edge-lit exit	(blank) Brushed aluminum	1 Single face 2 Double face	R Red on clear (single face only) ¹	(blank) AC only	(blank) None
EDGR Recessed LED edge-lit exit	W White		G Green on clear (single face only) ¹ RMR Red on mirror ² GMR Green on mirror ² RW Red on white ³ GW Green on white ³	EL Nickel-cadmium battery X2 Lamp wired on two separate AC circuits (specify 120V or 277V) ⁴ SD Self-diagnostics ⁵	WM Recessed wall mount ⁶ BAA Buy America(n) Act Compliant

Accessories: Order as separate item.	
ELA US12	12" stem kit with brushed aluminum canopy ⁷
ELA W US12	12" stem kit with white canopy ⁷
ELA WG1	Wireguard (13 3/4"H x 15 1/4"W x 6"D, back mount only)

Notes

- For single-face clear panels, EXIT is seen as a reversed image from the back.
- Available with single and double face.
- White panel standard for double and single face.
- Not available with EL and SD options. Both circuits can be energized at the same time.
- Available with EL option only.
- Available on EDGR single face only
- See spec sheet [ELA-StemKits](#). Only available for EDG.

EMERGENCY

EDG-EDGR

EDG-EDGR LED, Surface and Recessed Mount Edge-Lit Exits

SPECIFICATIONS

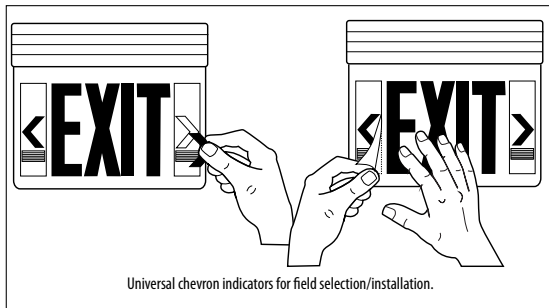
ELECTRICAL						
Primary Circuit						
Type	Typical LED life ¹	Supply voltage	EDG		EDGR	
			Input Watts	Max amps.	Input Watts	Max amps.
Red LED AC only	10 years	120	2.5	0.020	3.8	0.030
		277	2.8	0.010	4.5	0.014
Green LED AC only	10 years	120	2.2	0.020	3.8	0.030
		277	2.2	0.010	4.5	0.020
Red LED emergency	10 years	120	3.0	0.030	3.8	0.031
		277	3.1	0.010	4.5	0.015
Green LED emergency	10 years	120	2.6	0.020	3.8	0.031
		277	2.8	0.010	4.5	0.020

BATTERY (EL option)			
Sealed Nickel-Cadmium			
Shelf life ²	Typical life ²	Maintenance ³	Temperature range ⁴
3 years	6-8 years	none	32-122°F (0-50°C)

Notes

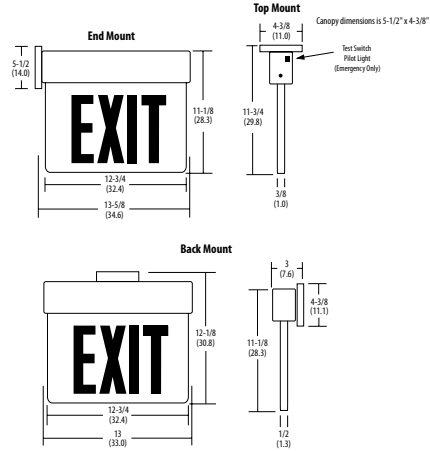
- Based on continuous operation. The typical life of the exit LED lamp is 10 years.
- At 77°F (25°C).
- All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.
- Temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity.

KEY FEATURES



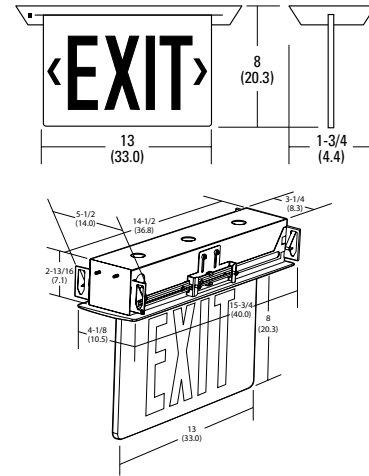
MOUNTING

EDG

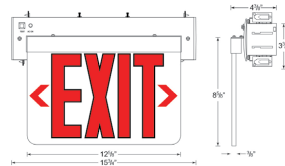


EDGR

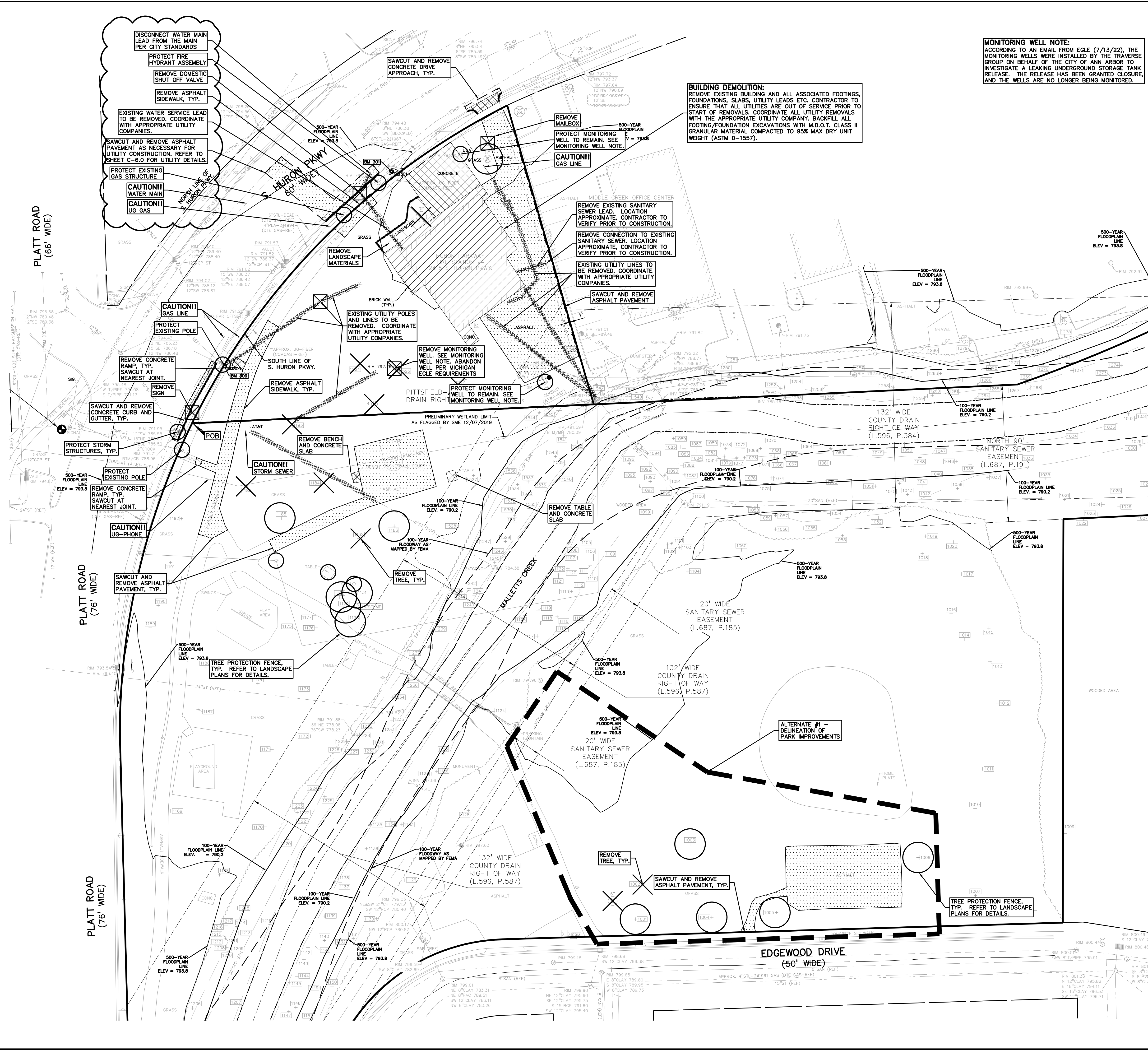
Note: For drop ceiling applications refer to the standard installation section of the instruction sheet. Not applicable for "bracket mount" installation.



EDGR WM option



S:\PROJECTS\2021\2021-0184 ANN ARBOR FIRE STATION\DWG\CONSTRUCTION\C-2.0 DEMO-210184.dwg,09.03.05 4:41 PM



LEGAL DESCRIPTION
(Per City of Ann Arbor Assessing)
PARCEL ID 09-12-02-209-017

Land in the City of Ann Arbor, Washtenaw County, Michigan, described as follows:
COM W 1/4 COR TH N 88 DEG 50 MIN E 86.28 FT FOR POB TH NELY 300 FT ALONG NON-TANGENT CIR CURVE CONCAVE SE R-463.03 FT CHORD N 46 DEG 17 MIN 40 SEC E 294.78 FT S 14 DEG 37 MIN 30 SEC E 204.93 FT TH S 88 DEG 50 MIN W 284.91 FT TO POB PRT NW 1/4 SEC 2 T3S R6E

BENCHMARKS
(GPS DERIVED - NAVD88)

BM #300
BOLT ON THE SOUTH SIDE OF A SIGNAL POLE LOCATED ON THE EAST SIDE OF S. HURON PKWY AT THE INTERSECTION OF PLATT ROAD & S. HURON PKWY.
ELEV. - 793.38

BM #301
BOLT ON THE SOUTH SIDE OF A LIGHT POLE LOCATED ON THE SOUTH SIDE OF S. HURON PKWY, IN FRONT OF THE ANN ARBOR FIRE STATION #4.
ELEV. - 794.11

FLOODPLAIN NOTE:
BY GRAPHICAL PLOTTING, SITE IS WITHIN SEVERAL FLOOD ZONES PER FLOOD INSURANCE RATE MAP NUMBER 261610294E DATED APRIL 3, 2012. SEE SHEET P-1.0, TOPOGRAPHICAL SURVEY FOR MORE DETAILED INFORMATION.

- GENERAL DEMOLITION NOTES:**
THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT:
- ALL MATERIAL TO BE REMOVED, WHETHER SPECIFICALLY NOTED IN THE PLANS OR NOT, SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF OFF-SITE IN A LEGAL MANNER. NO ON-SITE BURY OR BURN PITS SHALL BE ALLOWED.
 - ALL DEMOLITION WORK SHALL CONFORM TO ALL LOCAL CODES AND ORDINANCES.
 - STAGING/PHASING OF DEMOLITION AND CONSTRUCTION IS TO BE COORDINATED WITH THE OWNER AND THE CONTRACTOR PRIOR TO CONSTRUCTION.
 - SPECIFIC DEMOLITION ITEMS HAVE BEEN INDICATED ON THE PLANS AS A GUIDE TO THE GENERAL SCOPE OF THE WORK. IT IS THE INTENT THAT THESE ITEMS SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR ABOVE AND BELOW GROUND, UNLESS SPECIFICALLY NOTED OTHERWISE, AND THAT DEMOLITION WILL INCLUDE BUT WILL NOT NECESSARILY BE LIMITED TO THESE ITEMS. CONTRACTOR SHALL VISIT SITE TO VERIFY EXISTING CONDITIONS AND EXTENTS OF THE DEMOLITION THAT WILL BE REQUIRED PRIOR TO SUBMITTING A BID.
 - REMOVE ALL STRUCTURES DESIGNATED FOR REMOVAL ACCORDING TO THE DEMOLITION PLAN. THIS INCLUDES FOUNDATIONS, FOOTINGS, FOUNDATION WALLS, FLOOR SLABS, UNDERGROUND UTILITIES, CONCRETE, ASPHALT, TREES, ETC.
 - REFER TO LANDSCAPE DRAWINGS FOR TREE PROTECTION DETAILS.
 - THE CONTRACTOR SHALL, AS A MINIMUM, PROVIDE TREE PROTECTION FENCING AROUND EXISTING TREES TO BE SAVED THAT ARE WITHIN 15 FEET OF CONSTRUCTION ACTIVITIES AND AS INDICATED IN THE PLANS OR PER LOCAL AGENCY REQUIREMENTS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP, NOISE, DUST, CONTROL, STREET SWEEPING AND HOURS OF OPERATION IN ACCORDANCE WITH THE LOCAL CODES.
 - THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADES, SIGNAGE, MARKINGS, LIGHTS AND OTHER TRAFFIC CONTROL DEVICES TO PROTECT THE WORK ZONE AND SAFELY MAINTAIN TRAFFIC PER AGENCY REQUIREMENTS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 - THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANIES TO CONFIRM THAT UTILITY LEADS HAVE BEEN TAKEN OUT OF SERVICE PRIOR TO DEMOLITION.
 - ALL BUILDING GAS LEADS, METERS AND ASSOCIATED EQUIPMENT SHALL BE REMOVED AS SHOWN ON THE PLANS. COORDINATE ALL ASSOCIATED WORK WITH THE APPROPRIATE UTILITY COMPANY.
 - REMOVE ALL OVERHEAD AND UNDERGROUND ELECTRICAL LINES WITHIN THE AREA OF CONSTRUCTION AS SHOWN ON THE PLANS. COORDINATE SHUTDOWNS AND REMOVALS WITH ELECTRICAL SERVICE PROVIDER OR THE APPROPRIATE UTILITY COMPANY. (NOTE: PHONE AND CABLE T.V. SERVICES MAY ALSO BE LOCATED ON OVERHEAD LINES.)
 - THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF SIGNS AND SUPPORTS WITHIN THE WORK AREA, AS NECESSARY TO FACILITATE CONSTRUCTION. SIGNS SHALL BE PROTECTED OR STOCKPILED FOR REUSE AS SPECIFIED IN THE PLANS OR AS REQUIRED BY THE AGENCY OF JURISDICTION. THE CONTRACTOR SHALL REPLACE ANY DAMAGED SIGNS AND SUPPORTS AT NO ADDITIONAL COST TO THE OWNER.
 - THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE 811/ONE CALL UTILITY LOCATING CENTER, THE CITY ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

DEMOLITION LEGEND:

- ITEM TO BE PROTECTED: [Symbol]
- ITEM TO BE REMOVED: [Symbol]
- CURB/FENCE REMOVAL: [Symbol]
- CONCRETE PAVEMENT AND SIDEWALK REMOVAL: [Symbol]
- AREA OR ITEMS TO BE REMOVED: [Symbol]
- UTILITY REMOVAL: [Symbol]
- ABANDON UTILITY: [Symbol]
- ASPHALT REMOVAL: [Symbol]
- TREE REMOVAL: [Symbol]
- SAWCUT LINE: [Symbol]

CAUTION!!
THE LOCATION AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS BEING EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE FULLY ADVISED AND RESPONSIBLE FOR VERIFYING THE EXISTENCE AND DEPTHS OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.

811 Know what's below. Call before you dig.

SCALE: 1" = 30'

NORTH [Symbol]

TCA
ARCHITECTURE + PLANNING + DESIGN

JOSEPH B. WYWROT
ENGINEER
No. 650704874
PROFESSIONAL SEAL

PEA GROUP
t: 844.813.2949
www.peagroup.com

PROJECT NUMBER 21018

Addendum #2	11.22.24
Engineering Review	11.13.24
Addendum #1	11.11.24
Bids/Permits	10.11.24
Site Plan-Engineering	08.21.24
Final Site Plan-Rev	11.08.23
Final Site Plan	09.08.23
Bids/Permits	08.04.23

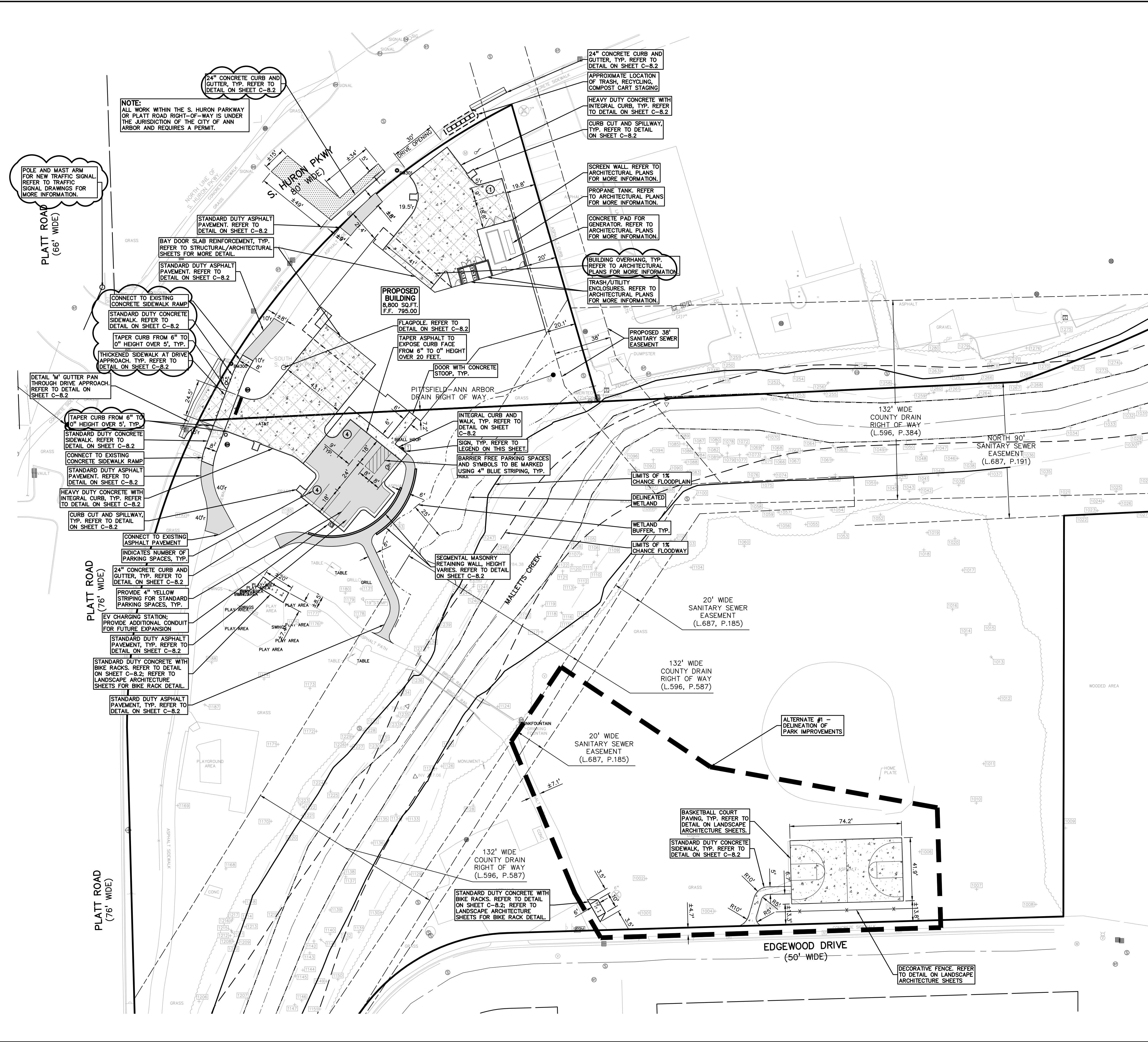
DRN: JW CHKD: JC

DEMOLITION PLAN

A3C
COLLABORATIVE ARCHITECTURE
115 1/2 E. LIBERTY STREET
ANN ARBOR, MI 48104
T: (734) 663-1910
F: (866) 732-2168
www.a3c.com

SHEET C-2.0

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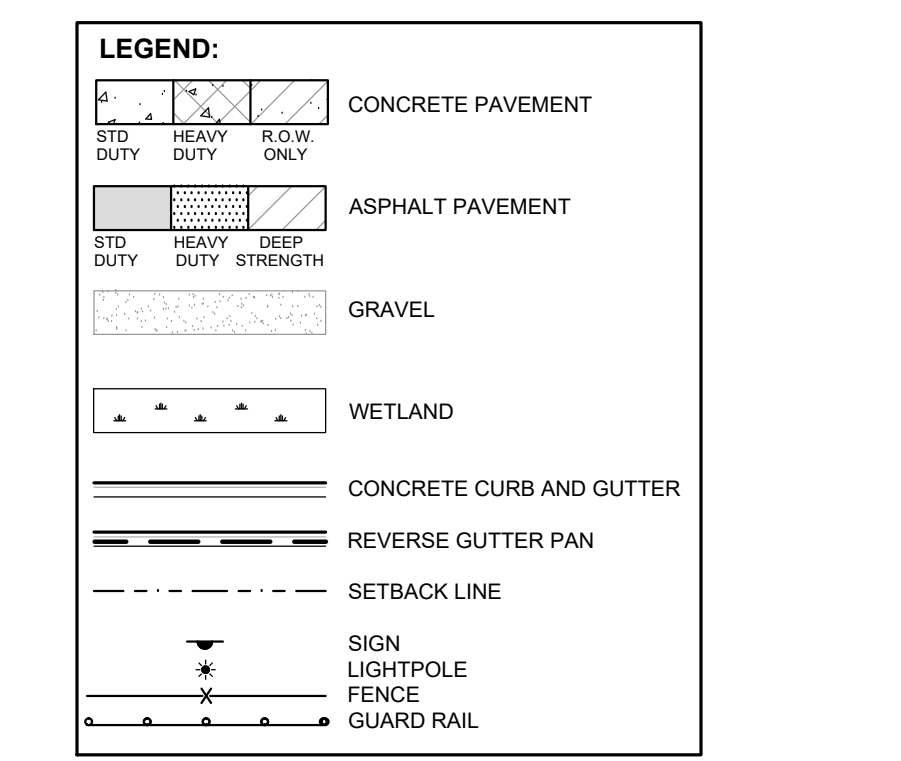


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BENCHMARKS
(GPS DERIVED - NAVD83)
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ELEV. - 793.38
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BOLT ON THE SOUTH SIDE OF A LIGHT POLE LOCATED ON THE SOUTH SIDE OF S. HURON PKWY, IN FRONT OF THE ANN ARBOR FIRE STATION #4.
ELEV. - 794.11

FLOODPLAIN NOTE:
BY GRAPHICAL PLOTTING, SITE IS WITHIN SEVERAL FLOOD ZONES PER FLOOD INSURANCE RATE MAP NUMBER 261610284E DATED APRIL 3, 2012. SEE SHEET P-1.0, TOPOGRAPHICAL SURVEY FOR MORE DETAILED INFORMATION.

GENERAL NOTES:
THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.
1. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB, FACE OF SIDEWALK, OUTSIDE FACE OF BUILDING, PROPERTY LINE, CENTER OF MANHOLE/CATCH BASIN OR CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.
2. REFER TO NOTES & DETAILS SHEET FOR ON-SITE PAVING DETAILS.
3. REFER TO NOTES & DETAILS SHEET FOR ON-SITE SIDEWALK RAMP DETAILS.
4. ALL SIDEWALKS SHALL BE KEPT AND MAINTAINED IN GOOD REPAIR BY THE OWNER OF THE LAND ADJACENT TO AND ADJUTING THE SAME. PRIOR TO THE ISSUANCE OF THE FINAL CERTIFICATE OF OCCUPANCY FOR THIS SITE, ALL EXISTING SIDEWALKS IN NEED OF REPAIR MUST BE REPAIRED IN ACCORDANCE WITH CITY STANDARDS.



SIGN LEGEND:
'BARRIER FREE PARKING' SIGN
REFER TO DETAIL SHEET FOR SIGN DETAILS

CAUTION!!
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

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TCA ARCHITECTURE + PLANNING + DESIGN

PEA GROUP
t: 844.813.2949
www.peagroup.com

PROJECT NUMBER 21018

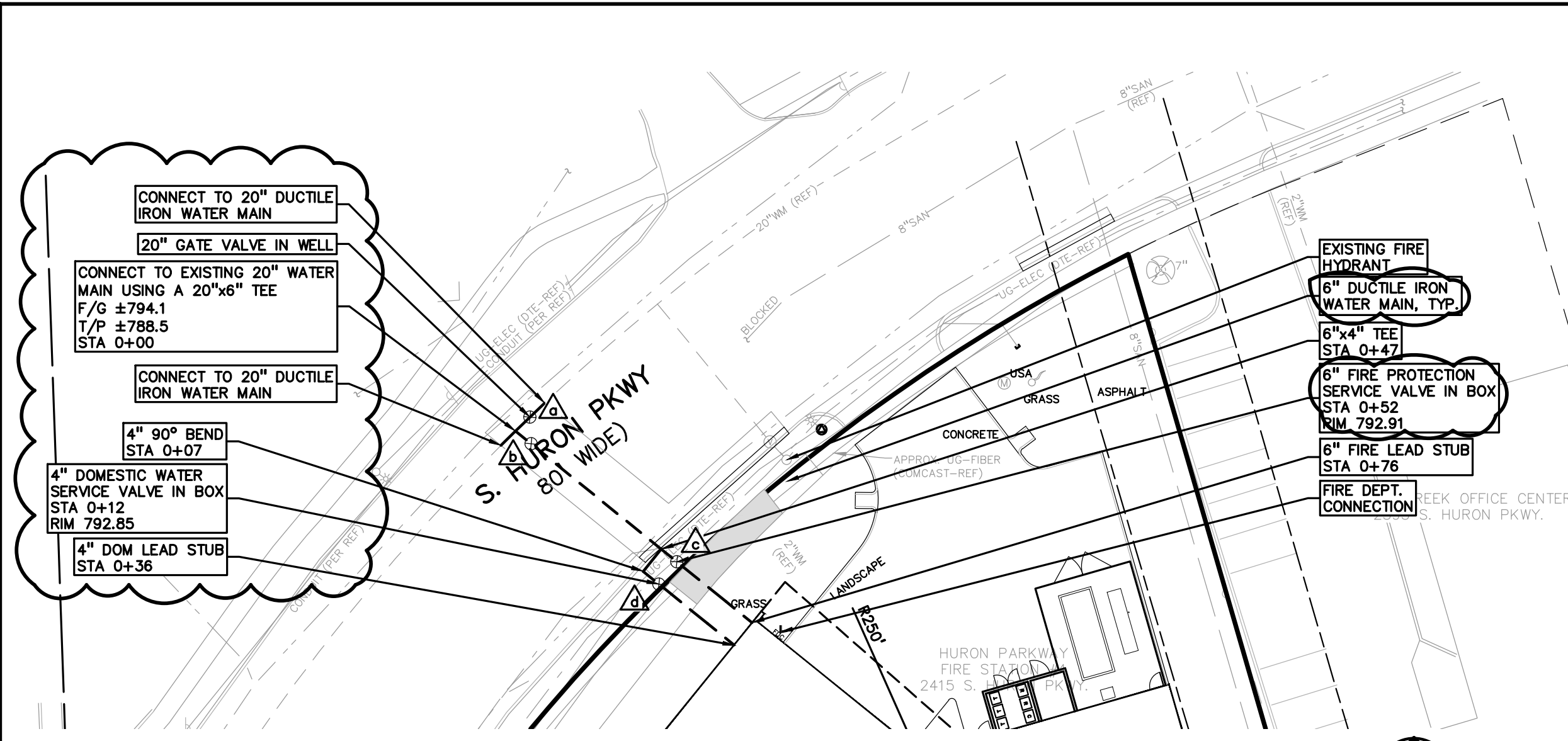
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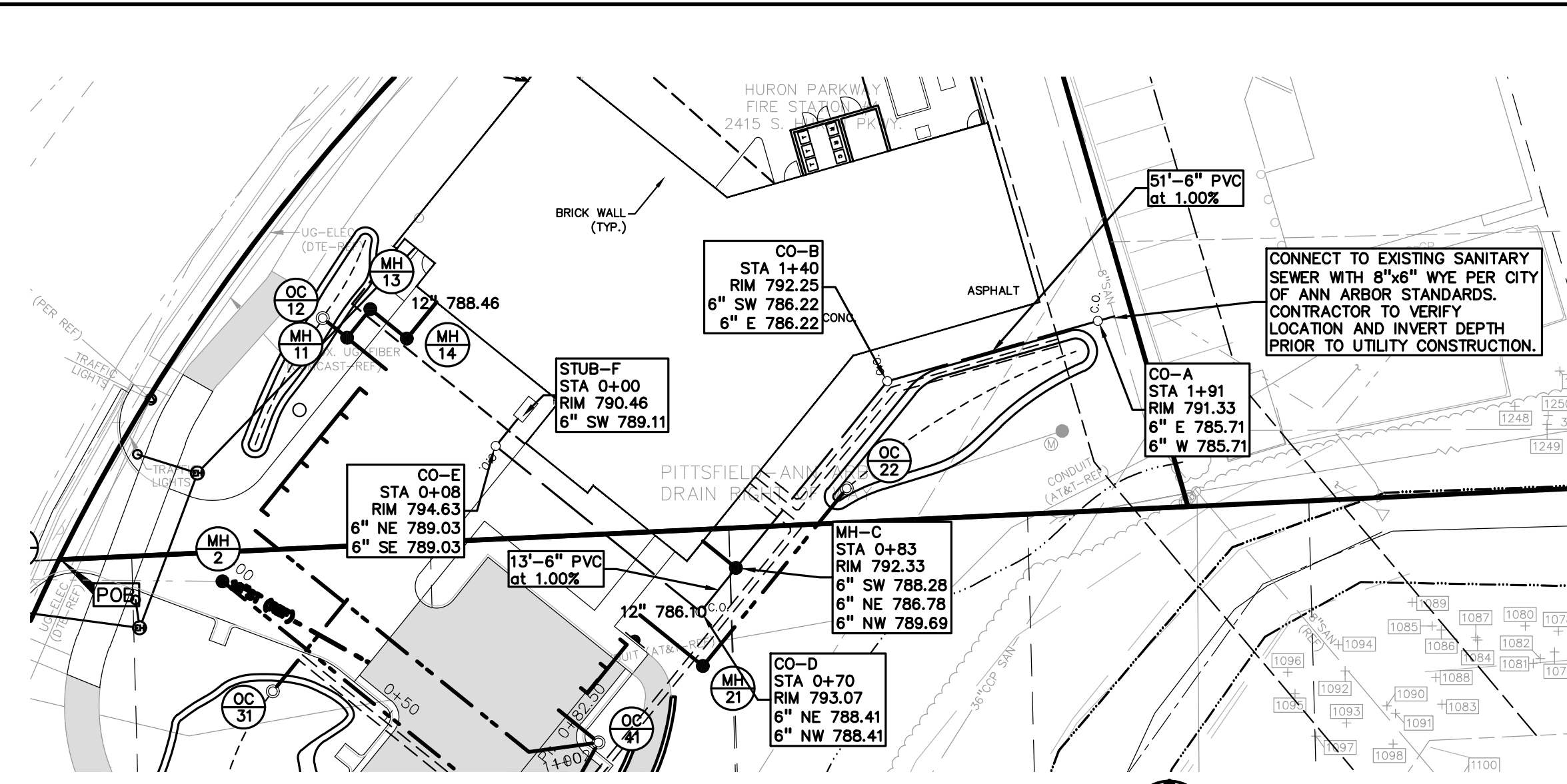
OVERALL DIMENSIONAL LAYOUT PLAN

115 1/2 E. LIBERTY STREET
ANN ARBOR, MI 48104
T: (734) 663-1910
F: (866) 732-2168
www.a3c.com

SHEET C-3.0



FIRE PROTECTION AND DOMESTIC WATER MAIN PLAN



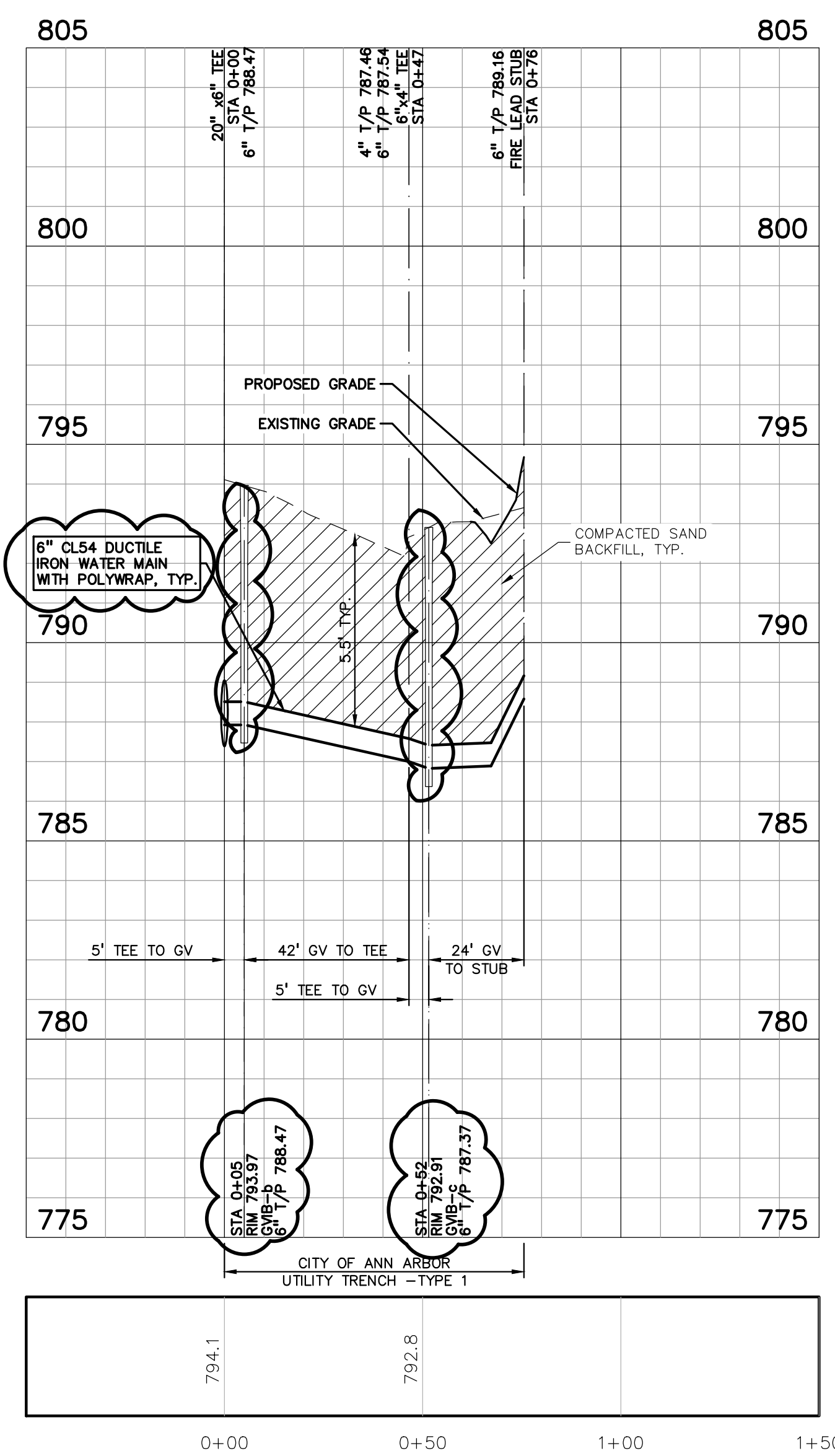
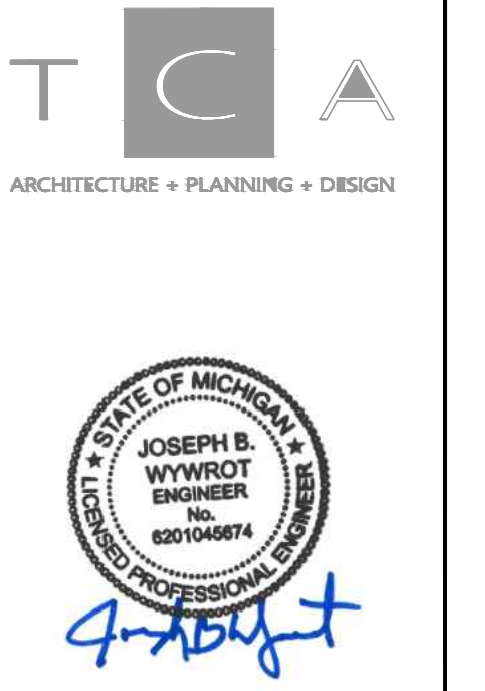
SANITARY PLAN



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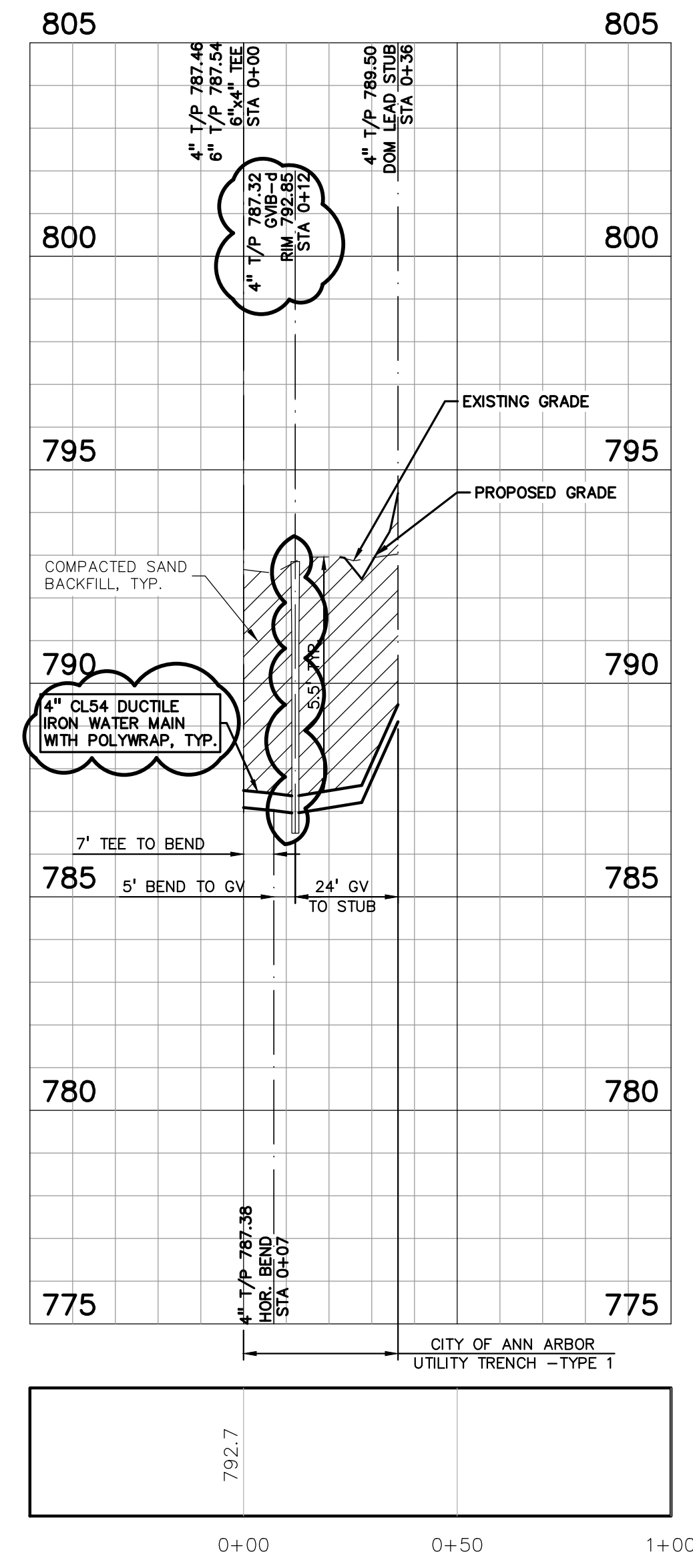
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ELEV. - 793.38
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ELEV. - 794.11

FLOODPLAIN NOTE:
BY GRAPHICAL PLOTTING, SITE IS WITHIN SEVERAL FLOOD ZONES PER FLOOD INSURANCE RATE MAP NUMBER 26161C0264E DATED APRIL 3, 2012. SEE SHEET P-1.0, TOPOGRAPHICAL SURVEY FOR MORE DETAILED INFORMATION.



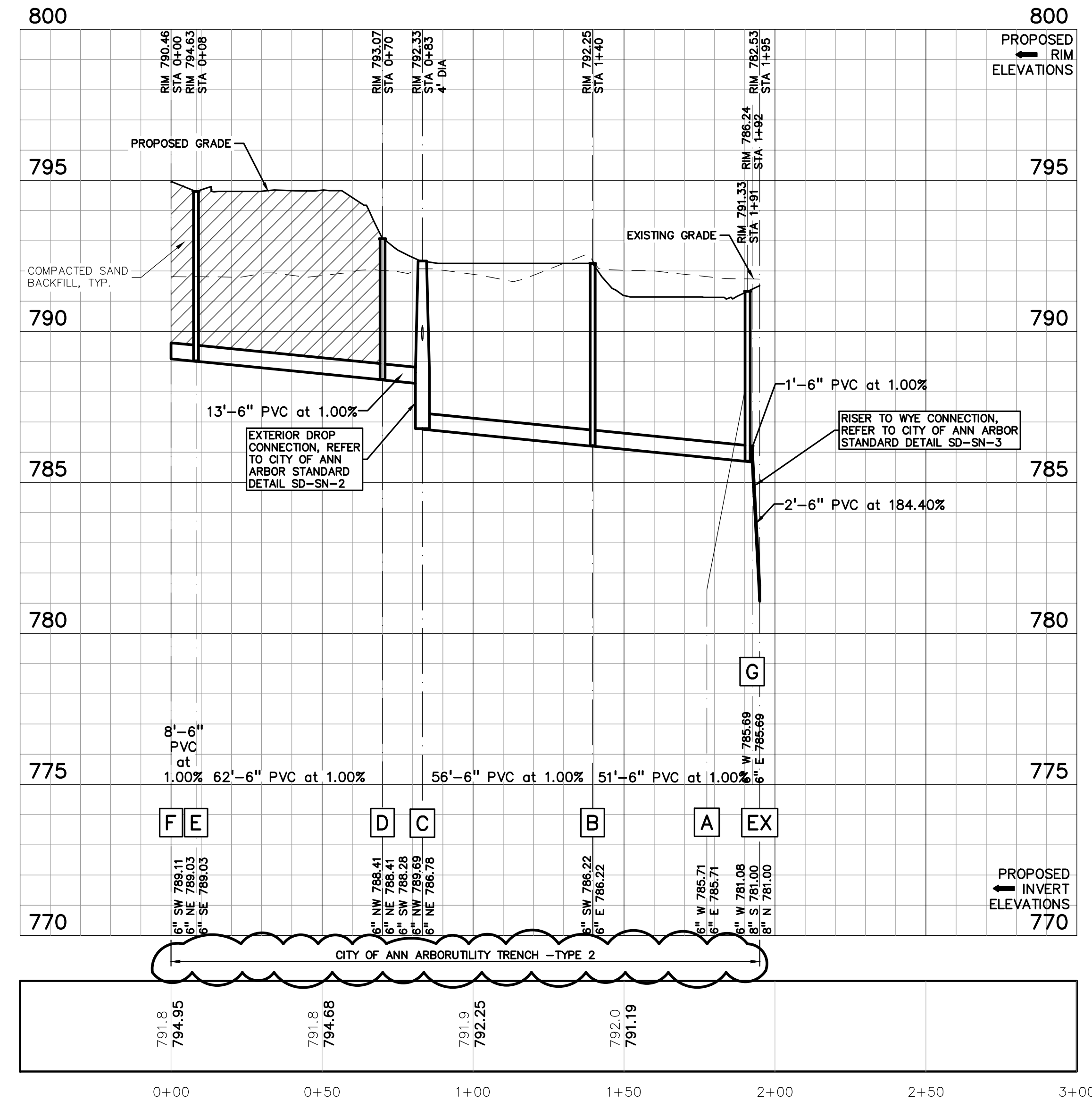
WATER-FIRE PROFILE

HORIZ: 1" = 30'
VERT: 1" = 3'



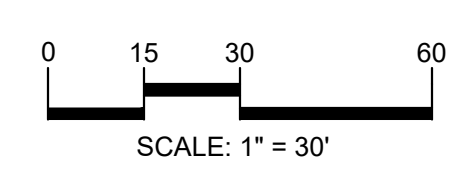
WATER-DOM PROFILE

HORIZ: 1" = 30'
VERT: 1" = 3'



SANITARY D-A PROFILE

HORIZ: 1" = 30'
VERT: 1" = 3'



CAUTION!!
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



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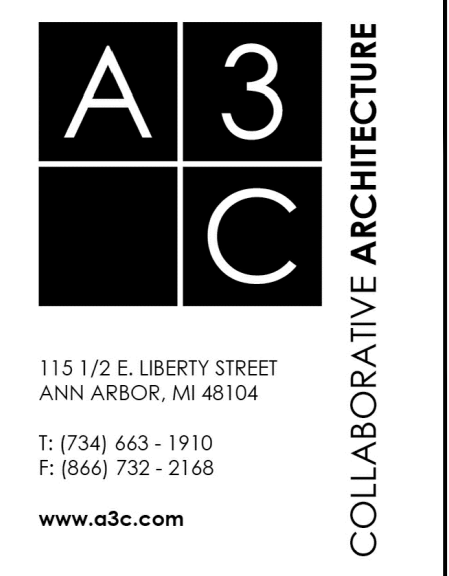


PROJECT NUMBER 21018

Issue	Issued
Addendum #2	11.22.24
Engineering Review	11.13.24
Addendum #1	11.11.24
Bids/Permits	10.11.24
Site Plan-Engineering	08.21.24
Final Site Plan-Rev	11.08.23
Final Site Plan	09.08.23
Bids/Permits	08.04.23

DRN: JW CHKD: JC

SANITARY SEWER AND WATER MAIN PLAN & PROFILE



SHEET C-6.1

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.



HVAC PIPING GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. PIPING AND DUCTWORK SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.
4. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
5. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
6. SUBMIT PROPOSED METHODS OF ANCHORING AND GUIDING PIPING SYSTEMS TO STRUCTURAL ENGINEER FOR APPROVAL.
7. COORDINATE LOCATION OF DUCT-MOUNTED HYDRONIC DEVICES WITH SHEET METAL TRADES.
8. BRANCH PIPING SERVING TERMINAL UNIT HEATING COILS OR RADIANT CEILING PANELS SHALL BE 3/4" UNLESS OTHERWISE NOTED. BRANCH PIPING SERVING MORE THAN ONE TERMINAL UNIT HEATING COIL SHALL BE 1" UNLESS OTHERWISE NOTED. BRANCH PIPING SERVING HOT WATER UNIT HEATERS AND CABINET UNIT HEATERS SHALL BE 1" UNLESS OTHERWISE NOTED.
9. REFER TO TEMPERATURE CONTROLS STANDARD MOUNTING HEIGHTS DETAIL FOR ELEVATIONS OF WALL MOUNTED TEMPERATURE CONTROL DEVICES.

CONSTRUCTION KEY NOTES:

1. TSTAT TO LOCAL VAV DIFFUSER.
2. TRANSITION FROM COPPER TO PLASTIC HEAT PUMP LOOP PIPING TO BE ACCESSIBLE BEHIND ARCHITECTURAL PANEL. REFER TO RISER ON SHEET M6.01.
3. GROUND SOURCE HEAT PUMP LOOP FLUSHING VALVES, BRANCH ISOLATION VALVES, AND INDOOR LOOP BYPASS VALVE SHALL BE ACCESSIBLE ABOVE ACT CEILING. REFER TO DIAGRAM, M6.01.

FIRST LEVEL HVAC PIPING PLAN
SCALE: 1/8" = 1'-0"

Project Number **21018**

Issue	Date
SCHEMATIC DESIGN	03/04/22
DESIGN DEVELOPMENT	05/26/23
BIDS/PERMITS	10/11/24
ADDENDUM 2	11/22/24

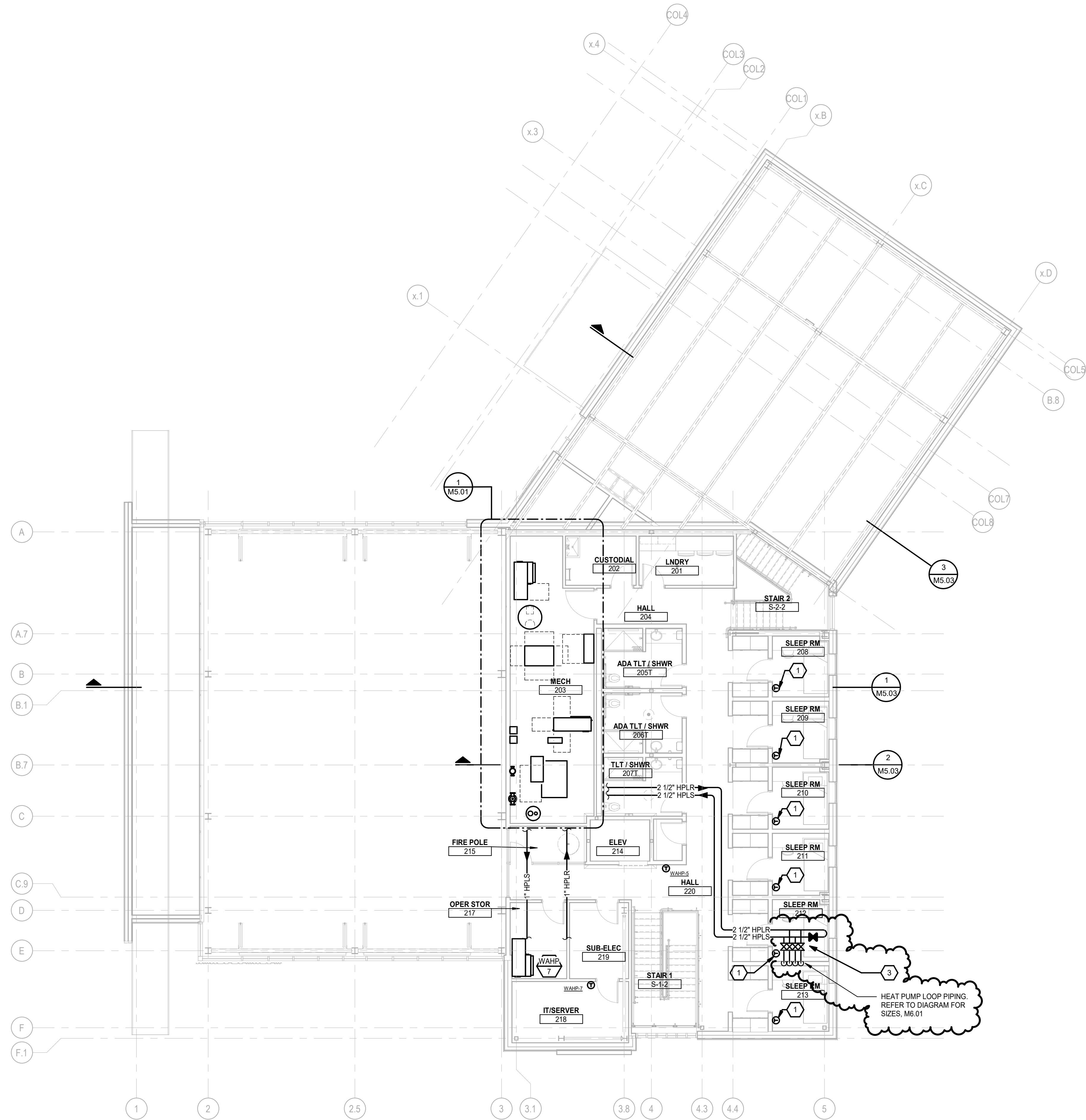
Drawn: ACF Checked: ACF

City of Ann Arbor
NEW FIRE STATION 4
2415 S HURON PKWY
ANN ARBOR, MI 48104

FIRST LEVEL HVAC PIPING PLAN

11/22/2024 8:57:47 AM BIM 360//20-43 Ann Arbor FS4/2021-0121-AAF-FS4-MEP-V21.rvt

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.



SECOND LEVEL HVAC PIPING PLAN
SCALE: 1/8" = 1'-0"

HVAC PIPING GENERAL NOTES:

- 1 THESE DRAWINGS ARE DIAGRAMMATIC, AND REPRESENT THE GENERAL INTENT AND ARRANGEMENT OF SYSTEMS. THEY ARE NOT TO BE CONSIDERED FABRICATION/COORDINATION/SHOP DRAWINGS. COORDINATION WITH OTHER TRADES IS REQUIRED. PROVIDE THE ADDITIONAL FITTINGS AND OFFSETS THAT WILL BE REQUIRED TO COMPLETE EACH SYSTEM AND TO AVOID INTERFERENCES WITH ALL OTHER SYSTEMS INCLUDING THE STRUCTURE, SHEET METAL, OTHER PIPING SYSTEMS, ELECTRICAL CONDUITS, BUS DUCTS, CABLE TRAY, LIGHT FIXTURES, ETC. AND/OR OTHER SPACE CONSTRAINTS.
- 2 INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
- 3 PIPING AND DUCTWORK SHALL NOT BE INSTALLED ABOVE ELECTRICAL TRANSFORMERS, SWITCHBOARDS, PANELBOARDS OR MOTOR CONTROL CENTERS.
- 4 COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
- 5 PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
- 6 SUBMIT PROPOSED METHODS OF ANCHORING AND GUIDING PIPING SYSTEMS TO STRUCTURAL ENGINEER FOR APPROVAL.
- 7 COORDINATE LOCATION OF DUCT-MOUNTED HYDRONIC DEVICES WITH SHEET METAL TRADES.
- 8 BRANCH PIPING SERVING TERMINAL UNIT HEATING COILS OR RADIANT CEILING PANELS SHALL BE 3/4" UNLESS OTHERWISE NOTED. BRANCH PIPING SERVING MORE THAN ONE TERMINAL UNIT HEATING COIL SHALL BE 1" UNLESS OTHERWISE NOTED. BRANCH PIPING SERVING HOT WATER UNIT HEATERS AND CABINET UNIT HEATERS SHALL BE 1" UNLESS OTHERWISE NOTED.
- 9 REFER TO TEMPERATURE CONTROLS STANDARD MOUNTING HEIGHTS DETAIL FOR ELEVATIONS OF WALL MOUNTED TEMPERATURE CONTROL DEVICES.

CONSTRUCTION KEY NOTES:

- 1 TSTAT TO LOCAL VAV DIFFUSER.
- 2 TRANSITION FROM COPPER TO PLASTIC HEAT PUMP LOOP PIPING TO BE ACCESSIBLE BEHIND ARCHITECTURAL PANEL. REFER TO RISER ON SHEET M6.01.
- 3 GROUND SOURCE HEAT PUMP LOOP FLUSHING VALVES, BRANCH ISOLATION VALVES, AND INDOOR LOOP BYPASS VALVE SHALL BE ACCESSIBLE ABOVE ACT CEILING. REFER TO DIAGRAM, M6.01.

Project Number **21018**

Issue	Date
SCHEMATIC DESIGN	03/04/22
DESIGN DEVELOPMENT	05/26/23
BIDS/PERMITS	10/11/24
ADDENDUM 2	11/22/24

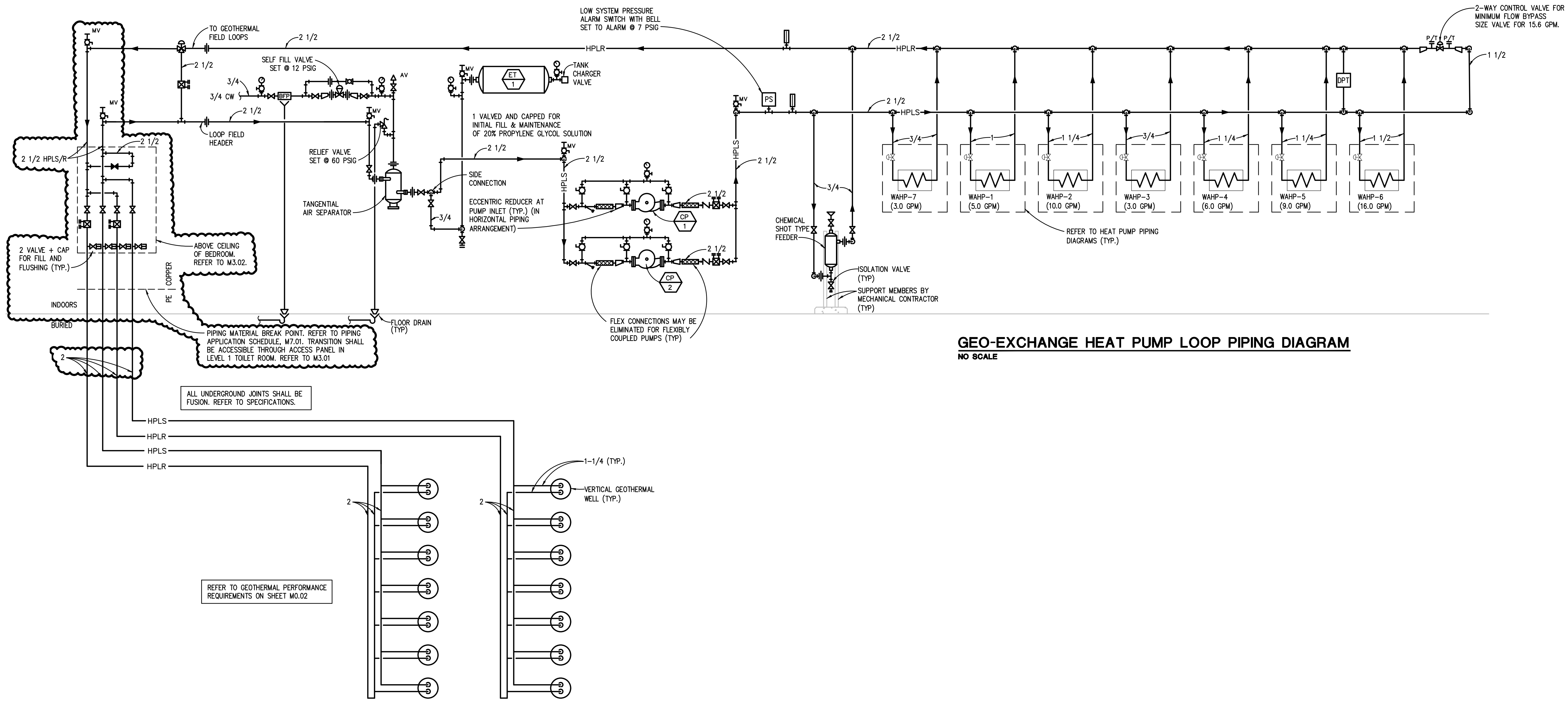
Drawn: ACF Checked: ACF

City of Ann Arbor
NEW FIRE STATION 4
2415 S HURON PKWY
ANN ARBOR, MI 48104

SECOND LEVEL HVAC PIPING PLAN

11/22/2024 8:57:48 AM BIM 360//20-43 Ann Arbor FS4/2021-0121-AA1-FS4-MEP-V21.rvt

NOTES
ALL BRANCH PIPING CONNECTIONS TO MAINS SHALL BE FROM SIDE OR BOTTOM OF PIPE



GEO-EXCHANGE HEAT PUMP LOOP PIPING DIAGRAM
NO SCALE

ALL UNDERGROUND JOINTS SHALL BE FUSION. REFER TO SPECIFICATIONS.

REFER TO GEOTHERMAL PERFORMANCE REQUIREMENTS ON SHEET M0.02

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Project Number **21018**

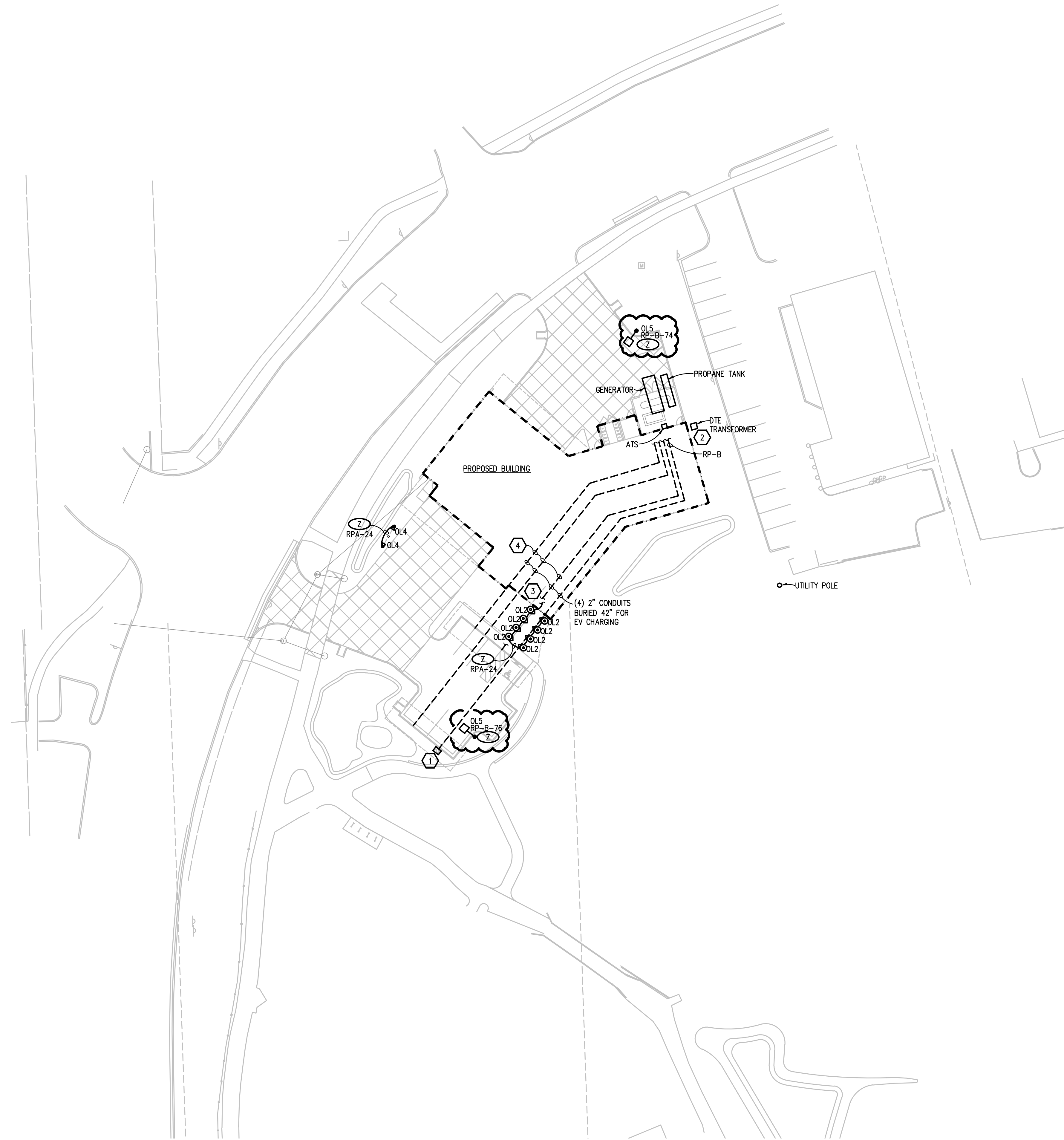
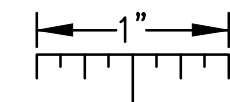
Issue	Date
DESIGN DEVELOPMENT	05/26/23
BIDS/PERMITS	10/11/24

Drawn: ACF Checked: ACF

City Of Ann Arbor
NEW FIRE STATION 4
2415 S HURON PKWY
ANN ARBOR, MI 48104

MECHANICAL DETAILS

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.



ELECTRICAL SITE PLAN
SCALE: 1" = 30'

SITE PLAN GENERAL NOTES:

1. THESE NOTES ARE GENERIC GUIDELINES ONLY. ELECTRICAL CONTRACTOR'S PERSONNEL ON SITE SHALL BE THOROUGHLY FAMILIAR WITH THE PUBLISHED SPECIFICATIONS FOR EXACT DESCRIPTIONS OF SCOPE, METHODS, AND MATERIAL.
2. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS. COORDINATE EXACT EQUIPMENT LOCATIONS, ELEVATIONS, AND FINAL CONNECTION REQUIREMENTS. PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS AND OFFSETS.
3. CONDUCT A SURVEY TO IDENTIFY ALL UNDERGROUND UTILITIES. CALL 811 PRIOR TO EXCAVATION.
4. UTILITIES SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY. COORDINATE EXACT LOCATION OF ALL EXISTING UTILITIES, AND ROUTING OF ALL NEW UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
5. DEWATER TRENCHES PRIOR TO INSTALLATION OF CONDUITS. PROVIDE WATER TIGHT FITTINGS ON ALL UNDERGROUND CONDUITS.
6. COORDINATE DEMOLITION WORK, AND ELECTRICAL AND TELEPHONE SERVICES TO THE SITE, WITH THE RESPECTIVE LOCAL UTILITY COMPANY REPRESENTATIVES PRIOR TO COMMENCEMENT OF WORK. INCLUDE ALL ASSOCIATED COST/FEE'S BY THE UTILITY COMPANIES IN THE BID PRICE.
7. INSTALL UNDERGROUND CONDUITS 42" BELOW FINISHED GRADE, MINIMUM, UNLESS NOTED OTHERWISE.
8. COORDINATE SERVICE SHUT-DOWNS WITH ALL TRADES INVOLVED ON SITE AND OBTAIN WRITTEN AUTHORIZATION FROM OWNER 72 HOURS PRIOR TO ANY ELECTRICAL AND/OR TELEPHONE SHUT-DOWN.
9. REMOVE ALL DE-ENERGIZED CONDUCTORS FROM SITE AT COMPLETION OF THE PROJECT.
10. OUTDOOR LIGHTING BRANCH CIRCUIT WIRING SHALL BE MINIMUM #8 AWG CONDUCTORS (XHHW-2), IN MINIMUM 1" DIA. CONDUIT, UNLESS NOTED OTHERWISE.
11. SPARE CONDUITS SHALL INCLUDE PULL STRING AND SHALL BE TERMINATED WITH A CAP.
12. EXCAVATE THE ENTIRE LENGTH OF TRENCH TO PROPERLY SET DUCT ELEVATIONS.

CONSTRUCTION KEY NOTES:

1. EV CHARGER PROVIDED BY OWNER. COORDINATE FINAL BREAKER SIZE AT PANEL WITH EV MANUFACTURER.
2. DTE TO CONFIRM UTILITY POLE MOUNTED OR PAD MOUNTED TRANSFORMER INSTALLATION. ELECTRICAL CONTRACTOR TO PROVIDE ALTERNATE COST FOR TRANSFORMER PAD IF REQUIRED.
3. COORDINATE LOCATION OF LOW VOLTAGE POWER SUPPLY.
4. PROVIDE ADDITIONAL CONDUITS FOR FUTURE EV CHARGERS.



Know what's below.
Call before you dig.



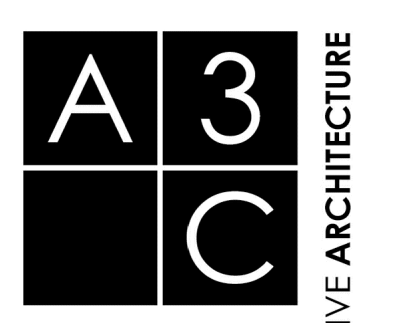
Peter Basso Associates Inc
CONSULTING ENGINEERS
5145 Livernois, Suite 100
Troy, Michigan 48068-3276
Tel: 248-879-5666
Fax: 248-879-0007
www.PeterBassoAssociates.com
PBA Project No.: 2017-0121

Project Number **21018**

Issue	Date
DESIGN DEVELOPMENT	05/26/23
BIDS/PERMITS	10/11/24
ADDENDUM 2	11/22/24

Drawn: SMB Checked: SMB

City Of Ann Arbor
NEW FIRE STATION 4
2415 S HURON PKWY
ANN ARBOR, MI 48104
ELECTRICAL SITE PLAN



115 1/2 E. LIBERTY STREET
ANN ARBOR, MI 48104
T: (734) 663-1910
F: (866) 732-2168
www.a3c.com

Sheet
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11/21/2024 11:55:42 AM BIM 360//20-43 Ann Arbor FS4/2021-0121-AAFSA-MEP-V21.rvt

PANELBOARD HP-A												
#	LOAD TYPE	DESCRIPTION	CB TYPE	CB	A	B	C	CB	CB TYPE	DESCRIPTION	LOAD TYPE	#
1	M	EF-1		20	1656	4000					NC	2
3	M	EF-3		15		1656	4000	50		DWH-1	NC	4
5	--	SPARE	--	20			0	4000				6
7	NC	AC-1		40	3203	1873					NC	8
9						3203	1873			WAHP-2	NC	10
11	NC	WAHP-1		15	957	1069		957	1873		NC	12
13												14
15	NC	WAHP-3		15		583	1069			WAHP-4	NC	16
17							583	1069				18
19					1777	2966						20
21	NC	WAHP-5		25		1777	2966			WAHP-6	NC	22
23							1777	2966				24
25	NC	WAHP-7		15	583	2114				ECUH-101	E	26
27	--	SPARE	--	20			0	2114				28
29	--	SPARE	--	20								30
31	E	ECUH-103		20	1500	1500				ECUH-117	E	32
33						6317	8418					34
35	E	ECUH-116A		70			6317	8418		ECUH-116B	E	36
37					6317	8418						38
39	NC	MAU-1		40		3483	1273			HPLP-2	M	40
43					3483	1273						44
45						1273	6167					46
47	M	HPLP-1		15			1273	6167		EHC-1	E	48
49					1273	6167						50
51	M	EF-2		20		2005	0			-- SPARE	--	52
53							2005	0		-- SPARE	--	54
55	--	SPARE	--	20	2005	0				-- SPARE	--	56
57	--	SPARE	--	20		0	0			-- SPARE	--	58
59	--	SPARE	--	20			0	0		-- SPARE	--	60
61	--	SPARE	--	20	0	0				-- SPARE	--	62
63	--	SPARE	--	20		0	0			-- SPARE	--	64
65	--	SPARE	--	20			0	0		-- SPARE	--	66
67	--	SPARE	--	20	0	0				-- SPARE	--	68
69	--	SPARE	--	20		0	0			-- SPARE	--	70
71	--	SPARE	--	20			0	0		-- SPARE	--	72
73	--	SPARE	--	20	0	0				-- SPARE	--	74
75	--	SPARE	--	20		0	0			-- SPARE	--	76
77	--	SPARE	--	20			0	0		-- SPARE	--	78
79	--	SPARE	--	20	0	0				-- SPARE	--	80
81	--	SPARE	--	20		0	0			-- SPARE	--	82
83	--	SPARE	--	20						-- SPARE	--	84
					52134	48759	44275					
					OA	OB	OC					

PANELBOARD INFORMATION	BRANCH CIRCUIT CONNECTED LOAD	DEMAND FACTOR	CALCULATED LOAD	FEEDER AND OVERCURRENT...	NOTES
VOLTAGE: 208Y/120V	CONTINUOUS LOAD (C): 0	100% 0	125% 0		
BUS AMPACITY: 600A	ELECTRIC HEAT (E): 72046	100% 72046	125% 90057.5		
MAIN TYPE: MLO	NON-CONTINUOUS LOAD (NC): 56155	100% 56155	100% 56155		
MINIMUM A.I.C.: 22,000	KITCHEN LOAD (K): 0	100% 0	100% 0		
MOUNTING: SURFACE	RECEPT BASE LOAD (R): 0	100% 0	100% 0		
	RECEPT DEMAND LOAD (R): 0	50% 0	100% 0		
	LIGHTING LOAD (L): 0	100% 0	125% 0		
	ADDITIONAL TRACK LIGHTING... 100% 0		100% 0		
PANELBOARD LOCATION	MOTORS, HIGHEST LOAD (M): 6016	125% 7520	100% 7520		
	MOTORS, REMAINING 10950	100% 10950	100% 10950		
	TOTAL (kVA): 146.67		TOTAL... 407.12		
	TOTAL... 407.12		TOTAL... 457.11		

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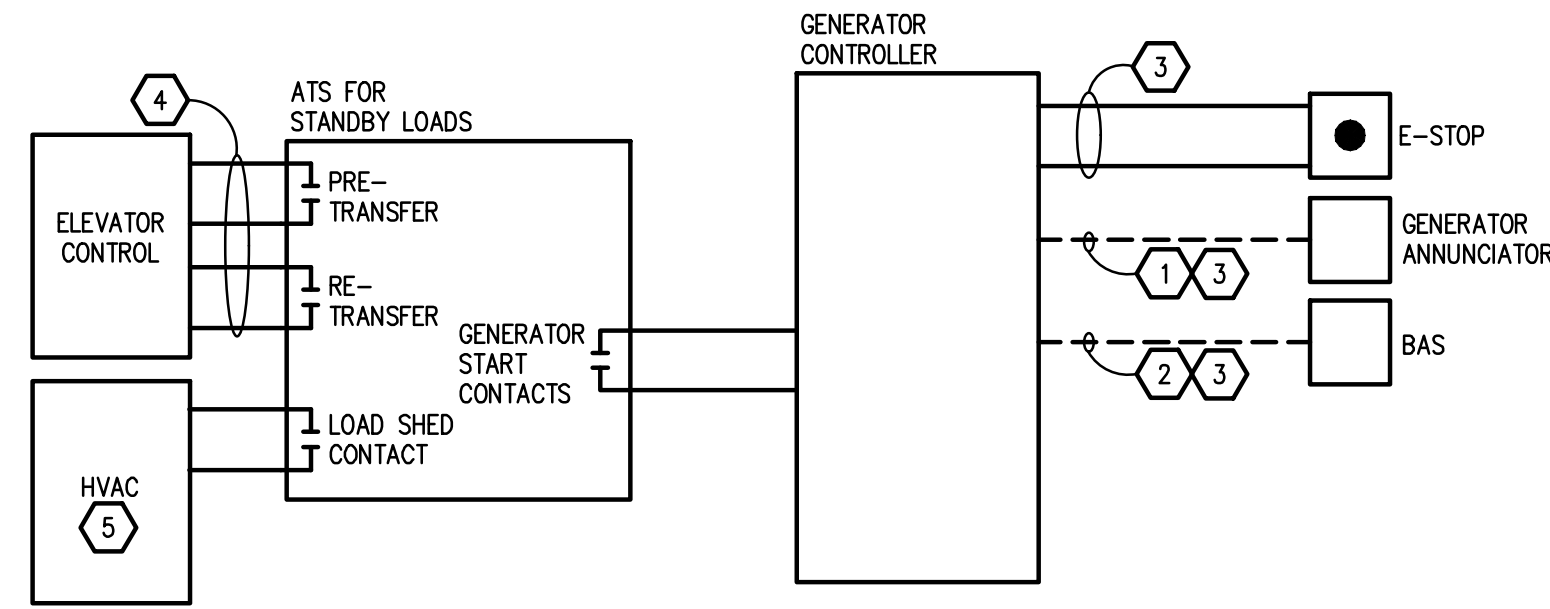
PANELBOARD RP-A													
#	LOAD TYPE	DESCRIPTION	CB TYPE	CB	A	B	C	CB	CB TYPE	DESCRIPTION	LOAD TYPE	#	
1	R	RECEPT - LNDRY 201, CUSTODIAL 202		20	360	200					NC	2	
3	R	RECEPT - LNDRY 201 DRYER	GFCI	20		1000	200				L	4	
5							1000	180			R	6	
7	R	RECEPT - LNDRY 201 DRYER	GFCI	20	1000	360					R	8	
9						1000	864				SP-1	10	
11	R	RECEPT - LNDRY 201 WASHER	GFCI	20			1200	528			M	12	
13	R	RECEPT - MECH 203		20	180	350					MECH EQUIPMENT DUCT DETECTORS	NC	14
15	R	RECEPT - MECH 203		20		180	1664				ERV-1	NC	16
17	R	RECEPT - MECH 203		20			180	1664					18
19	R	RECEPT - HALL 204, RM 205T		20	360	528					F-1	NC	20
21	R	RECEPT - HALL 220, RM 206T, 207T		20		540	528				F-2	NC	22
23	R	RECEPT - SLEEP RM 208-209	AFCI	20			720	170			LIGHTING - OUTDOOR SITE	L	24
25	R	RECEPT - SLEEP RM 210-211	AFCI	20	720	0					-- SPARE	--	26
27	R	RECEPT - SLEEP RM 212-213, HALL...	AFCI	20		900	0				-- SPARE	--	28
29	R	RECEPT - ELEV 214		20			180	0			-- SPARE	--	30
31	R	RECEPT - RM 217, 219, HALL 220		20	540	0					-- SPARE	--	32
33	R	RECEPT - IT/SERVER 218		20		360	0				-- SPARE	--	34
35	R	RECEPT - IT/SERVER 218		20			360	0			-- SPARE	--	36
37	L	LIGHTING - RM 204-220		20	1268	0					-- SPARE	--	38
39	L	LIGHTING - ELEVATOR		20		113	0				-- SPARE FOR TC CONTROLS	--	40
41	--	SPARE	--	20			0	0			-- SPARE FOR TC CONTROLS	--	42
					5866	7349	6182						
					OA	OB	OC						

PANELBOARD INFORMATION	BRANCH CIRCUIT CONNECTED LOAD	DEMAND FACTOR	CALCULATED LOAD	FEEDER AND OVERCURRENT...	NOTES
VOLTAGE: 208Y/120V	CONTINUOUS LOAD (C): 0	100% 0	125% 0		
BUS AMPACITY: 225A	ELECTRIC HEAT (E): 0	100% 0	125% 0		
MAIN TYPE: MLO	NON-CONTINUOUS LOAD (NC): 4934	100% 4934	100% 4934		
MINIMUM A.I.C.: 10,000	KITCHEN LOAD (K): 0	100% 0	100% 0		
MOUNTING: SURFACE	RECEPT BASE LOAD (R): 10000	100% 10000	100% 10000		
	RECEPT DEMAND LOAD (R): 2184	50% 1092	100% 1092		
	LIGHTING LOAD (L): 1751.76	100% 1751.76	125% 2189.7		
	ADDITIONAL TRACK LIGHTING... 100% 0		100% 0		
PANELBOARD LOCATION	MOTORS, HIGHEST LOAD (M): 528	125% 660	100% 660		
	MOTORS, REMAINING 0	100% 0	100% 0		
	TOTAL (kVA): 18.44		TOTAL... 51.18		
	TOTAL... 51.18		TOTAL... 52.39		

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PANELBOARD RP-B													
#	LOAD TYPE	DESCRIPTION	CB TYPE	CB	A	B	C	CB	CB TYPE	DESCRIPTION	LOAD TYPE	#	
1	R	RECEPT - RM 117, 188		20	720	540					R	2	
3	R	RECEPT - SHOP 119		20		540	720				R	4	
5							4816	1080			R	6	
7	E	ECUH-129		60	4816	720					R	8	
9						4816	720				R	10	
11	R	RECEPT - APP BAY 116, EXT 116		20			900	1000			K	12	
13	R	RECEPT - FF WORK AREA 113		20	540	1000					K	14	
15	R	RECEPT - FF WORK AREA 113		20		540	1200				DISPOSAL - KITCHEN 128	K	16
17	R	RECEPT - FF WORK AREA 113		20			720	800			FRIDGE - KITCHEN 128	K	18
19	NC	F-3		20	528	800					FRIDGE - KITCHEN 128	K	20
21	R	RECEPT - ROM 116A, 122		20		720	800				FRIDGE - KITCHEN 128	K	22
23	R	RECEPT - RM 123, 125		20			540	0			-- SPARE	--	24
25	R	GEAR DRYER 125		20	1920	1000					RECEPT - KITCHEN 128	K	26
27	R	RECEPT - HALL 110, RM 126T		20		720	1000				RECEPT - KITCHEN 128	K	28
29	R	RECEPT - HALL 109, ALCOVE 115C		20			360	740			RECEPT - DAYROOM 129	R	30
31	R	RECEPT - EXT 109, ELEC 131		20	540	540					RECEPT - EXERCISE 130	R	32
33	R	RECEPT - SCBA 121		20		360	1000				RECEPT - EXERCISE 130	R	34
35	R	EWC-1	GFCI	20			180	1000			RECEPT - EXERCISE 130	R	36
37	L	LIGHTING - RM 101-115, 122-126		20	1296	1000					RECEPT - EXERCISE 130	R	38
39	NC	LIGHTING - EXTERIOR		20		150	1000				RECEPT - EXERCISE 130	R	40
41							1333	1000			RECEPT - EXERCISE 130	R	42
43	M	OVERHEAD DOOR 1		20	1333	1000					RECEPT - EXERCISE 130	R	44
45						1333	600				GFCI CLEANING 124 WASHER	R	46
47							1333	600					48
49	M	OVERHEAD DOOR 2		20	1333	1465					LIGHTING - RM 116-121	L	50
51						1333	586				LIGHTING - RM 127-136	L	52
53							1333	342			EXTERIOR LIGHTING - BUILDING...	L	54
55	M	OVERHEAD DOOR 3		20	1333	20					EXTERIOR LIGHTING - PATH	L	56
57						1333	3328						58
59							1333	3328			EV CHARGER	E	60
61	M	OVERHEAD DOOR 4		20	1333	1500					ECUH-131	E	62
63						1333	180				ICE MAKER - KITCHEN 128	K	64
65	M	M - KITCHEN 128 RANGE HOOD		20			1000	1000					66
67	R	RECEPT - CLEANING 124 WASHER	GFCI	20	1200	1000					RECEPT - CLEANING 124 DRYER	R	68
69	E	PIPE HEAT TRACE		20		500	0						70
71	E	PIPE HEAT TRACE		20			400	0			OVEN - KITCHEN 128	K	72
73	--	SPARE	--	20	0	69					LTG - SITE NORTH	L	74
75	--	SPARE	--	20		0	69				LTG - SITE SOUTH	L	76
77	--	SPARE	--	20			0	0			-- SPARE	--	78
79	--	SPARE	--	20	0	0					-- SPARE FOR GEN BLOCK HEATER	--	80
81	--	SPARE	--	20			0	0			-- SPARE FOR TC CONTROLS	--	82
83	--	SPARE	--	20			0	0			-- SPARE FOR TC CONTROLS	--	84
					27547	24882	25139						
					OA	OB	OC						

PANELBOARD INFORMATION	BRANCH CIRCUIT CONNECTED LOAD	DEMAND FACTOR	CALCULATED LOAD	FEEDER AND OVERCURRENT...	NOTES
VOLTAGE: 208Y/120V	CONTINUOUS LOAD (C): 0	100% 0	125% 0		
BUS AMPACITY: 400A	ELECTRIC HEAT (E): 23503	100% 23503	125% 29378.75		
MAIN TYPE: MLO	NON-CONTINUOUS LOAD (NC): 678	100% 678	100% 678		



GENERATOR AND ATS CONTROL WIRING CONNECTION DETAIL - OPTIONAL STANDBY ONLY

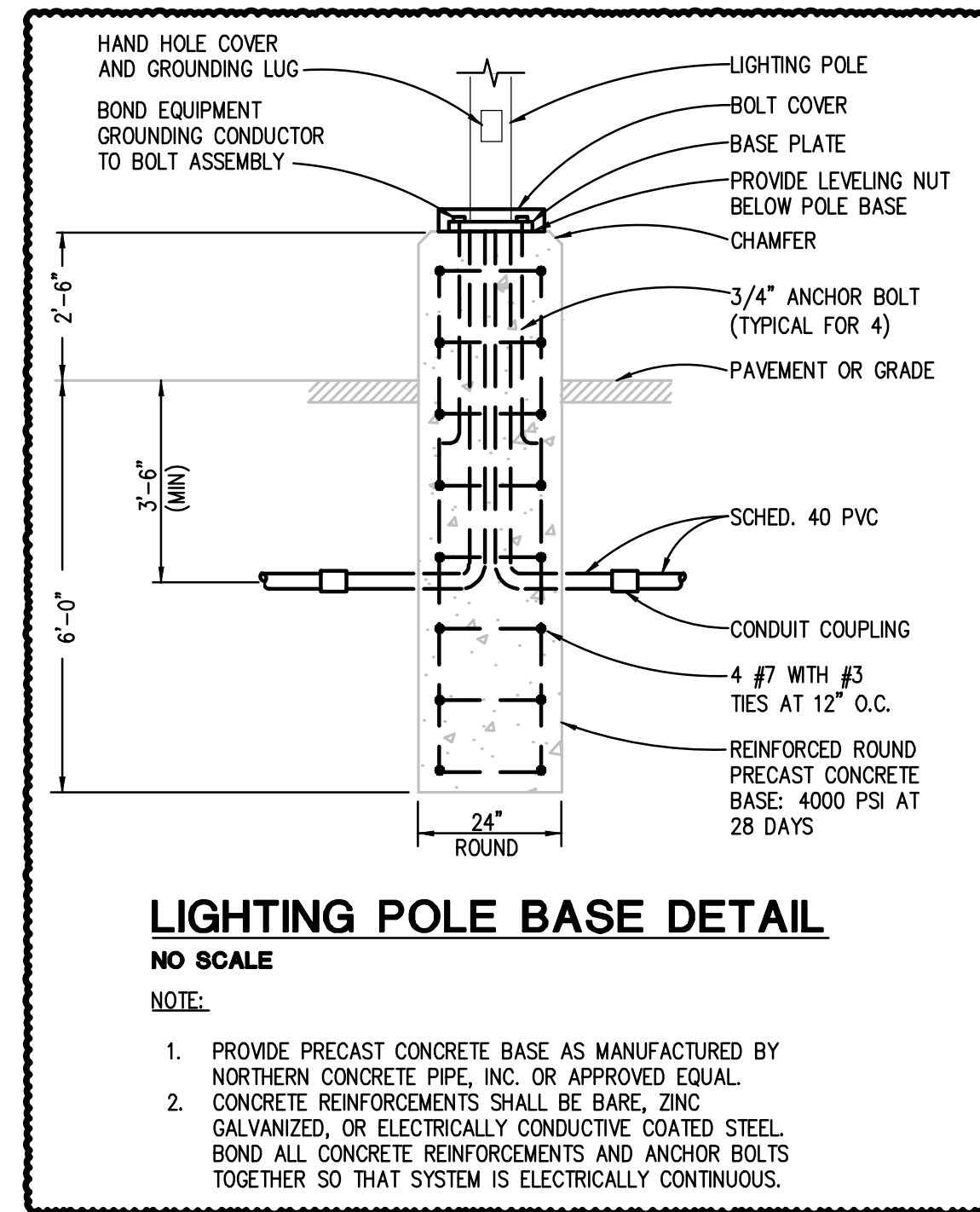
NO SCALE

NOTES:

1. VERIFY ALL WIRE AND CABLE SPECIFICATIONS WITH GENERATOR SUBMITTAL DRAWINGS, WIRING DIAGRAMS, AND MANUFACTURERS REQUIREMENTS.

KEYED NOTES:

1. PROVIDE SHIELDED TWISTED PAIR (PER MANUFACTURERS RECOMMENDATIONS) AND 2#14 FOR ANNUNCIATOR DC POWER.
2. PROVIDE SHIELDED TWISTED PAIR FOR COMMUNICATION LINK. COORDINATE WITH BAS INTEGRATOR.
3. PROVIDE 2 HOUR CABLE ASSEMBLY OR EQUIVALENT MEANS OF PROTECTION FOR START SIGNAL WIRING.
4. PROVIDE CONDUIT FOR INDICATED WIRING. UNLESS OTHERWISE NOTED, ALL CONTROL WIRING SHALL BE #14 THHN/THWN.
5. PROVIDE DRY CONTACT FROM ATS FOR DDC MONITORING. REFER TO TC DRAWINGS FOR ADDITIONAL INFORMATION.



LIGHTING POLE BASE DETAIL

NO SCALE

NOTE:

1. PROVIDE PRECAST CONCRETE BASE AS MANUFACTURED BY NORTHERN CONCRETE PIPE, INC. OR APPROVED EQUAL.
2. CONCRETE REINFORCEMENTS SHALL BE BARE, ZINC GALVANIZED, OR ELECTRICALLY CONDUCTIVE COATED STEEL. BOND ALL CONCRETE REINFORCEMENTS AND ANCHOR BOLTS TOGETHER SO THAT SYSTEM IS ELECTRICALLY CONTINUOUS.

INTERIOR LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER(S)	WATTAGE	VOLTAGE	LIGHT CHARACTERISTICS	CONTROLS	REMARKS
L1A	2X4 TROFFER	LITHONIA LIGHTING - ZBLT4	34.52	MVOLT	LED, 3500K, 82CRI, 3000L	1% 0-10V DIMMING	
L1B	2X4 TROFFER	LITHONIA LIGHTING - ZBLT4	34.52	MVOLT	LED, 3500K, 82CRI, 4800L	1% 0-10V DIMMING	
L2	2X2 TROFFER	LITHONIA LIGHTING - ZBLT2	24.7	MVOLT	LED, 3500K, 82CRI, 3300L	1% 0-10V DIMMING	
L4	WALL MOUNT VANITY	VISA LIGHTING - CB5518	15	MVOLT	LED, 3500K, 83CRI, 1700L	1% 0-10V DIMMING	
L6A	6" RECESSED DOWNLIGHT	LITHONIA LIGHTING - LDN6	5.8	MVOLT	LED, 3500K, 80CRI, 500L	1% 0-10V DIMMING	
L6B	6" RECESSED DOWNLIGHT	LITHONIA LIGHTING - LDN6	10.4	MVOLT	LED, 3500K, 80CRI, 1000L	1% 0-10V DIMMING	
L7	4' LINEAR	LITHONIA LIGHTING - YAP LED	99	MVOLT	LED, 3500K, 80CRI, 12000L	1% 0-10V DIMMING	
L8	6" RECESSED DOWNLIGHT	LITHONIA LIGHTING - LCP	N.A	120	LED, RED RETROFIT A-LAMP, 3500K	N/A	
L9A	4' UTILITY LINEAR	LITHONIA LIGHTING - CLX	19	MVOLT	LED, 3500K, 80CRI, 3000L	1% 0-10V DIMMING	
L9B	4' UTILITY LINEAR	LITHONIA LIGHTING - CLX	24.75	MVOLT	LED, 3500K, 80CRI, 4000L	1% 0-10V DIMMING	
L10A	12' LINEAR	FOCAL POINT - SEEM 2	22	UNV	LED, 3500K, 80CRI, 375L/FT DIRECT, 250L/FT INDIRECT	1% 0-10V DIMMING	
L10B	6' LINEAR	FOCAL POINT - SEEM 2	22	UNV	LED, 3500K, 80CRI, 375L/FT DIRECT, 250L/FT INDIRECT	1% 0-10V DIMMING	
L11	4' UTILITY LINEAR	LITHONIA LIGHTING - FEM LED	37.8	MVOLT	LED, 3500K, 80CRI, 6000L	1% 0-10V DIMMING	
L12	LINEAR UNDER CABINET	VODE LIGHTING - ZIPONE 707	6.6/FT	MVOLT	LED, 3500K, 80CRI, 836L/FT	1% 0-10V DIMMING	
L13A	18" SUSPENDED DOWNLIGHT	VISA LIGHTING - CP6000 SEQUENCE MINI	10	MVOLT	LED, 3500K, 80CRI, 1100L	1% 0-10V DIMMING	
L13B	24" SUSPENDED DOWNLIGHT	VISA LIGHTING - CP6000 SEQUENCE MINI	14	MVOLT	LED, 3500K, 80CRI, 1500L	1% 0-10V DIMMING	
L13C	12" SUSPENDED DOWNLIGHT	VISA LIGHTING - CP6000 SEQUENCE MINI	7	MVOLT	LED, 3500K, 80CRI, 700L	1% 0-10V DIMMING	
L14	6" LINEAR PENDANT	FINELITE BETTER LIGHTING - HP-6	28.8	120	LED, 3500K, 80CRI, 733L	1% 0-10V DIMMING	
L15	2" LINEAR PENDANT	FINELITE BETTER LIGHTING - HP-2	28.8	120	LED, 3500K, 80CRI, 322L/FT	1% 0-10V DIMMING	
L16	2" WALL MOUNT LINEAR	FINELITE BETTER LIGHTING - HP-2	7/FT	120	LED, 3600K, 80CRI, 612L/FT	1% 0-10V DIMMING	
L17	STEP LIGHTING	BRUCK - HORIZONTAL LOUVER LED STEP LIGHT	10	120	LED, 3000K, 190 LUMENS	1% 0-10V DIMMING	
X	EXIT SIGNAGE, ARCHITECT TO SELECT FINISHES	LITHONIA LIGHTING - EDG/EDGR	3	277	LED, AC ONLY	NA	

GENERAL NOTES:

1. REFER TO SPECIFICATIONS FOR DETAILED LIGHT FIXTURE CUT SHEETS.
2. WATTAGE LISTED IS FROM THE BASIS OF DESIGN MANUFACTURER.
3. FINISH TO BE APPROVED BY INTERIOR DESIGNER, ARCHITECT OR CLIENT.
4. ALL LUMINAIRES TO BE AS SPECIFIED OR EQUAL APPROVED BY PBA AND/OR ILLUMINART.

EXTERIOR LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER(S)	WATTAGE	VOLTAGE	LIGHT CHARACTERISTICS	CONTROLS	REMARKS
OL1	TRAPEZODIAL WALL PACK	SIGNIFY - GARDCO 111L	12	MVOLT	LED, 3000K, 70CRI, 200mA, SINGLE FUSING, TYPE 2 WIDE THROW	1% 0-10V DIMMING	
OL2	PATH LIGHTING	ALCON LIGHTING - MODEL SPRUCE 9066	2	15	LED, 2700K, 125L	N/A	
OL3	RECESSED LINEAR	COOPER LIGHTING - NEO-RAY	3.0/FT	MVOLT	LED, 3000K, 80CRI, 350L/FT	1% 0-10V DIMMING	
OL4	LED FLOODLIGHT	LITHONIA LIGHTING - D-SERIES DSXF2	75	MVOLT	LED, 3000K, 70CRI, P2 PERFORMANCE PACKAGE	1% 0-10V DIMMING	
OL5	AREA LUMINAIRE WITH HOUSESIDE SHIELD	LITHONIA LIGHTING - D-SERIES SIZE 0	69	MVOLT	LED, 3000K, 70CRI, P3 PERFORMANCE PACKAGE	N/A	

GENERAL NOTES:

1. REFER TO SPECIFICATIONS FOR DETAILED LIGHT FIXTURE CUT SHEETS.
2. WATTAGE LISTED IS FROM THE BASIS OF DESIGN MANUFACTURER.
3. FINISH TO BE APPROVED BY INTERIOR DESIGNER, ARCHITECT OR CLIENT.
4. ALL LUMINAIRES TO BE AS SPECIFIED OR EQUAL APPROVED BY PBA AND/OR ILLUMINART.

Project Number 21018

Issue	Date
DESIGN DEVELOPMENT	05/26/23
BIDS/PERMITS	10/11/24
ADDENDUM 2	11/22/24

Drawn: SMB Checked: SMB

City of Ann Arbor
NEW FIRE STATION 4
2415 S HURON PKWY
ANN ARBOR, MI 48104
ELECTRICAL DETAILS AND DIAGRAMS

GENERAL NOTES

UTILITIES

MISS DIG/UNDERGROUND UTILITY NOTIFICATION

Contact MISS DIG System, Inc. for the protection of underground utilities and in conformance with MCL 460.721 et seq, by phone at 811 or 800-482-7171 or via the web at either elocate.missdig.org for single address or rte.missdig.org, a minimum of 3 working days prior to excavating, excluding weekends and holidays.

ROW / REAL ESTATE

LAWN SPRINKLER SYSTEMS AND LANDSCAPING

Notify owners of existing lawn sprinkler systems and/or landscaping (in writing with a copy sent to the Engineer) two weeks in advance of any work to be done that will affect those systems and/or landscaping. If the property owner fails to relocate the lawn sprinkler system prior to the Contractor beginning work, and if the Contractor cuts the system during the construction, cap the system pipe and witness the location of the cap with a wooden stake for the property owner's use. Place the salvaged sprinkler heads on the property owner's property. If the property owner fails to relocate the landscaping prior to the Contractor beginning work, carefully salvage the landscaping items and stockpile them on the property owner's property for the property owner. This work is included in other items of the project. Any other modification to the lawn sprinkler systems and/or landscaping, is the responsibility of the owner and is not part of this contract.

SIGNALS

MAINTAINING AGENCY CONTACT INFORMATION

* City of Ann Arbor: (734-794-6361)

CONTINUOUS TRAFFIC SIGNAL OPERATION

Place proposed traffic signal into operation at time of removal of existing traffic signal facilities. Contact MDOT (and any other maintaining agency) if unable to maintain the traffic signal in an operable condition at all times.

UNDERGROUND UTILITY SEPARATION

Maintain a minimum clearance of 3'-6" horizontal & 1'-0" vertical between proposed facilities & existing underground water facilities.

SIGNAL EQUIPMENT DISPOSAL

Disposal of all traffic signal equipment is included in the removal pay items and includes the following:

- * Notification to City of Ann Arbor (and any other maintaining agency) that traffic signal equipment is being removed.
- * Temporary storage of equipment in a dumpster on site (or as directed by the Engineer) allowing City of Ann Arbor (and any other maintaining agency) 48 hours to salvage any equipment
- * Proper disposal of any equipment containing environmentally sensitive materials (mercury relay switches for example)
- * Disabling or destruction of all remaining equipment to the satisfaction of the Engineer such that it cannot be reused or resold.
- * Proper disposal of all remaining equipment.

PLAN DEVIATIONS DURING CONSTRUCTION

Obtain approval from the City of Ann Arbor prior to changing the plan location of supporting structures, signal head placement or traffic signal equipment.

POLE BAND CLAMP ACCEPTANCE

The current basis of acceptance for this material is now part of the QPL (Qualified Products List). This can be found in the Materials Acceptance Requirements table, published in the MQAP and repeated for convenience in the Materials Service Guide.

SIGNAL HEAD LANDING POINT

Ensure each traffic signal head assembly has its own landing point with all neutrals connected together with a metal type jumper.

MISCELLANEOUS QUANTITIES

PERFORM THE FOLLOWING ITEMS OF WORK AS THEY APPLY THROUGHOUT THE PROJECT. THESE ITEMS ARE NOT DETAILED OR INCLUDED ON THE PLAN AND PROFILE SHEETS.

Mobilization, Max	1	LSUM
Lighted Arrow, Type C, Furn	2	Ea
Lighted Arrow, Type C, Oper	2	Ea
Minor Traf Devices	1	LSUM
Plastic Drum, Fluorescent, Furn	40	Ea
Plastic Drum, Fluorescent, Oper	40	Ea
Sign, Type A, Temp, Prismatic, Furn	25	Sft
Sign, Type A, Temp, Prismatic, Oper	25	Sft
Sign, Type B, Temp, Prismatic, Furn	500	Sft
Sign, Type B, Temp, Prismatic, Oper	500	Sft

NOTES APPLYING TO STANDARD PLANS

Where the following items are called for on plans, they are to be constructed according to the standard plan given below opposite each item unless otherwise indicated.

Title	Plan No.
STATEWIDE TRAFFIC SIGNALS	
TS MAST ARM POLE AND MAST ARM DETAILS - CATEGORY I	SIG-030-B *
TS MAST ARM STANDARD FOUNDATIONS	SIG-040-B *
PEDESTAL FOUNDATION	SIG-070-A *
SERVICE FOR STREET NAME SIGNS AND STREET LIGHTING	SIG-220-A *
COLOR CODE WIRING/EQUIPMENT GROUNDING	SIG-230-A *
HANDHOLE- PRECAST, POLYMER CONCRETE	SIG-240-A *
CONDUIT (DIRECT BURIAL/ENCASED)	SIG-250-A *
MAST ARM MOUNTED TS BRACKET ASSEMBLY	SIG-301-A *
TRAFFIC SIGNAL BACKPLATES	SIG-304-A *
PEDESTAL MOUNTED SIGNAL DISPLAYS	SIG-330-A *
PEDESTAL MOUNTING DETAILS FOR SIGNALS	SIG-331-A *
POLE MOUNTED SIGNAL DISPLAYS	SIG-340-A *
POLE MOUNTING DETAILS FOR SIGNALS	SIG-341-A *
PEDESTRIAN PUSH BUTTON DETAILS	SIG-400-A *
* Denotes Special Detail	

PROJECT INFORMATION SHEET S HURON PARKWAY AT PRATT ROAD CITY OF ANN ARBOR, WASHTENAW COUNTY

PLOT INFO: Z:\2023\230003\CAD\CID\PROJECT\INFO.DGN USER: JMORDEN

REVISIONS	
11/21/2024	ADDENDUM 2

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City of Ann Arbor
S Huron Parkway at Pratt Road
City of Ann Arbor, Washtenaw County

PROJECT NO.
230003

01

PLOT INFO: Z:\2023\230003\CAD\CDD\LEGEND.DGN USER: JMORDEN

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LEGEND SHEET










S HURON PARKWAY AT PLATT ROAD

CITY OF ANN ARBOR, WASHTENAW COUNTY

SIGNALS

-  ANTENNA
-  CASE SIGN, 1-WAY - EXISTING
-  CASE SIGN, 1-WAY
-  CASE SIGN, 2-WAY - EXISTING
-  CASE SIGN, 2-WAY
-  CASE SIGN, 3-WAY - EXISTING
-  CASE SIGN, 3-WAY
-  CASE SIGN, 4-WAY - EXISTING
-  CASE SIGN, 4-WAY
-  DEDICATED SHORT RANGE COMMUNICATIONS
-  CONTROLLER CABINET - PAD MOUNTED
-  CONTROLLER CABINET - POLE MOUNTED
-  CONTROL EMERGENCY PREEMPTION OPTICOM
-  DILEMMA ZONE DETECTION
-  GLOBAL POSITIONING SYSTEM MODULE
-  HANDHOLE - 2 FOOT ROUND
-  HANDHOLE - 2 FOOT SQUARE
-  HANDHOLE - 3 FOOT ROUND
-  HANDHOLE - 4 FOOT SQUARE
-  HANDHOLE - POLYMER CONCRETE
-  PEDESTAL
-  PEDESTRIAN PUSHBUTTON
-  POLE MAST ARM (LENGTH VARIES) - EXISTING
-  POLE MAST ARM (LENGTH VARIES)
-  POLE STRAIN
-  POLE WOOD
-  ROAD SIGN W/ FLASHING SIGN OPTICAL (1-WAY)
-  SIGNAL HEAD PEDESTRIAN - EXISTING
-  SIGNAL HEAD PEDESTRIAN 1-WAY
-  SIGNAL HEAD PEDESTRIAN 2-WAY
-  SIGNAL HEAD VEHICLE 1-WAY - EXISTING
-  SIGNAL HEAD VEHICLE 1-WAY
-  SIGNAL HEAD VEHICLE 2-WAY - EXISTING
-  SIGNAL HEAD VEHICLE 2-WAY
-  SIGNAL HEAD VEHICLE 3-WAY - EXISTING
-  SIGNAL HEAD VEHICLE 3-WAY
-  SIGNAL HEAD VEHICLE 4-WAY - EXISTING
-  SIGNAL HEAD VEHICLE 4-WAY
-  SIGNAL HEAD VEHICLE BAGGED
-  SIGNAL HEAD VEHICLE PROGRAMMABLE
-  VEHICLE DETECTION CAMERA
-  VEHICLE DETECTION CAMERA - HEMISPHERICAL
-  VEHICLE DETECTION LOOP
-  VEHICLE DETECTION - RADAR
-  WIRELESS VEHICLE DETECTION RADIO RECEIVER
-  WIRELESS VEHICLE DETECTION RADIO REPEATER
-  WIRELESS VEHICLE DETECTION SENSOR - EXISTING
-  WIRELESS VEHICLE DETECTION SENSOR

CABLING / WIRING DIAGRAM

-  CIRCUIT BREAKER
-  COILED WIRE
-  FUSE
-  FUSE SWITCH
-  GROUND
-  ILLUMINATED CASE SIGN
-  METER
-  SERVICE DISCONNECT
-  SIGNAL HEAD

NOTE:

EXISTING ITEMS ARE REPRESENTED BY THIN LINE WEIGHTS.
PROPOSED ITEMS ARE REPRESENTED BY HEAVIER LINE WEIGHTS.

LIST OF MATERIAL		
NO.	ITEM	QUANTITIES
①	Case Sign, Rem	2 Ea
②	Pushbutton, Rem	6 Ea
③	TS, Mast Arm Mtd, Rem	2 Ea
○	Cable, Intercon, Rem	400 Ft

PLATT ROAD
SPEED LIMIT = 35 MPH

EX PEDESTRIAN PEDESTAL
EX PEDESTRIAN FOUNDATION
EX 1W-2C-PA COUNTDOWN
EX HH AND CONDUIT
② REMOVE PUSHBUTTON AND SIGN
FOR CROSSING S HURON PARKWAY (FACING SOUTH)

EX PEDESTRIAN PEDESTAL
EX PEDESTRIAN FOUNDATION
EX 1W-2C-PA COUNTDOWN
EX HH AND CONDUIT
② REMOVE PUSHBUTTON AND SIGN
FOR CROSSING PLATT ROAD (FACING EAST)

(4) EX WIRELESS VEHICLE SENSOR NODES (TYP)

EX PEDESTRIAN PEDESTAL
EX PEDESTRIAN FOUNDATION
EX 1W-2C-PA COUNTDOWN
EX HH AND CONDUIT
② REMOVE PUSHBUTTON AND SIGN
FOR CROSSING PLATT ROAD (FACING EAST)

EX MAST ARM POLE
EX MAST ARM, 25 FOOT
(2) EX 1W-3C-BA (FACING NORTH & SOUTH)
(2) EX 1W-CS-BA (FACING NORTH & SOUTH)
EX 1W-2C-BA COUNTDOWN
EX BRACKET, TRUSS
EX HEMISPHERICAL VIDEO DETECTION CAMERA
EX SPP RADIO
EX STREET LIGHT
EX CONDUIT
② REMOVE PUSHBUTTON AND SIGN
FOR CROSSING PLATT ROAD (FACING NORTH)

EX 16 LOAD SWITCH BASE MOUNTED
SIGNAL/ITS COMBO CABINET AND CONTROLLER (NEMA)
EX CONTROLLER FOUNDATION
EX HEMISPHERICAL VIDEO DETECTION SYSTEM
EX WIRELESS VEHICLE DETECTION SYSTEM
EX HH & CONDUIT

EX UTILITY WOOD POLE
EX SERV DISCONNECT
EX CONDUIT
CAUTION - CRITICAL UTILITY
HAZARDOUS OR FLAMMABLE MATERIAL

EX CONDUIT
REM INTERCONNECT CABLE
FROM CONTROLLER TO
FIRE STATION #4 (400 FT)

CAUTION - CRITICAL UTILITY

HAZARDOUS OR FLAMMABLE MATERIAL

CAUTION - CRITICAL UTILITY

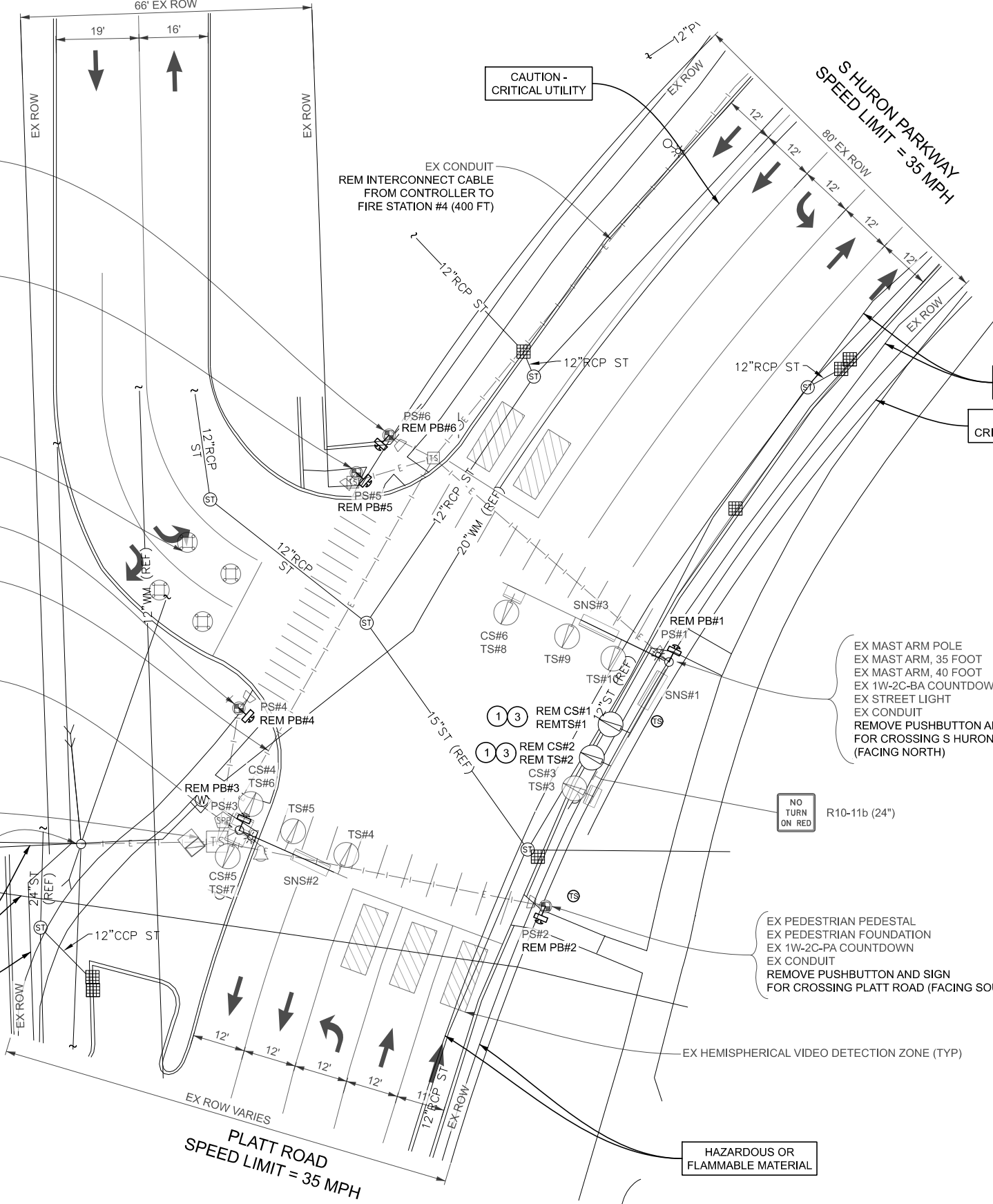
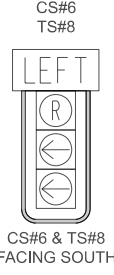
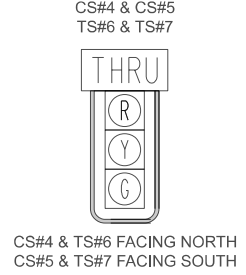
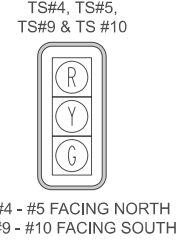
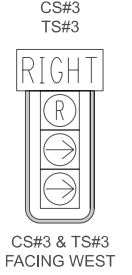
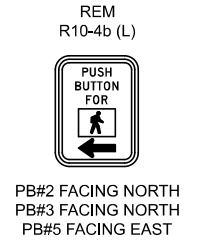
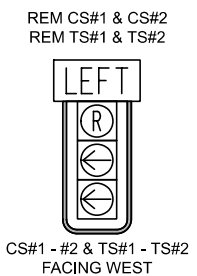
S HURON PARKWAY
SPEED LIMIT = 35 MPH

EX MAST ARM POLE
EX MAST ARM, 35 FOOT
EX MAST ARM, 40 FOOT
EX 1W-2C-BA COUNTDOWN
EX STREET LIGHT
EX CONDUIT
REMOVE PUSHBUTTON AND SIGN
FOR CROSSING S HURON PARKWAY
(FACING NORTH) ②

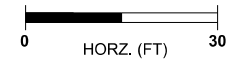
NO TURN ON RED
R10-11b (24")

EX PEDESTRIAN PEDESTAL
EX PEDESTRIAN FOUNDATION
EX 1W-2C-PA COUNTDOWN
EX CONDUIT
REMOVE PUSHBUTTON AND SIGN
FOR CROSSING PLATT ROAD (FACING SOUTH) ②

HAZARDOUS OR FLAMMABLE MATERIAL



TRAFFIC SIGNAL - REMOVAL PLAN
S HURON PARKWAY AT PRATT ROAD
CITY OF ANN ARBOR; WASHTENAW COUNTY



SIGNALS	
OPENINGS:	42
CYCLIC WATTS:	420
STEADY WATTS:	320
PLAN:	#169

PLOT INFO: Z:\2023\230003\CADD\CD\HURONPKWY_PLATTRD_REM001.DGN USER: JMORDEN

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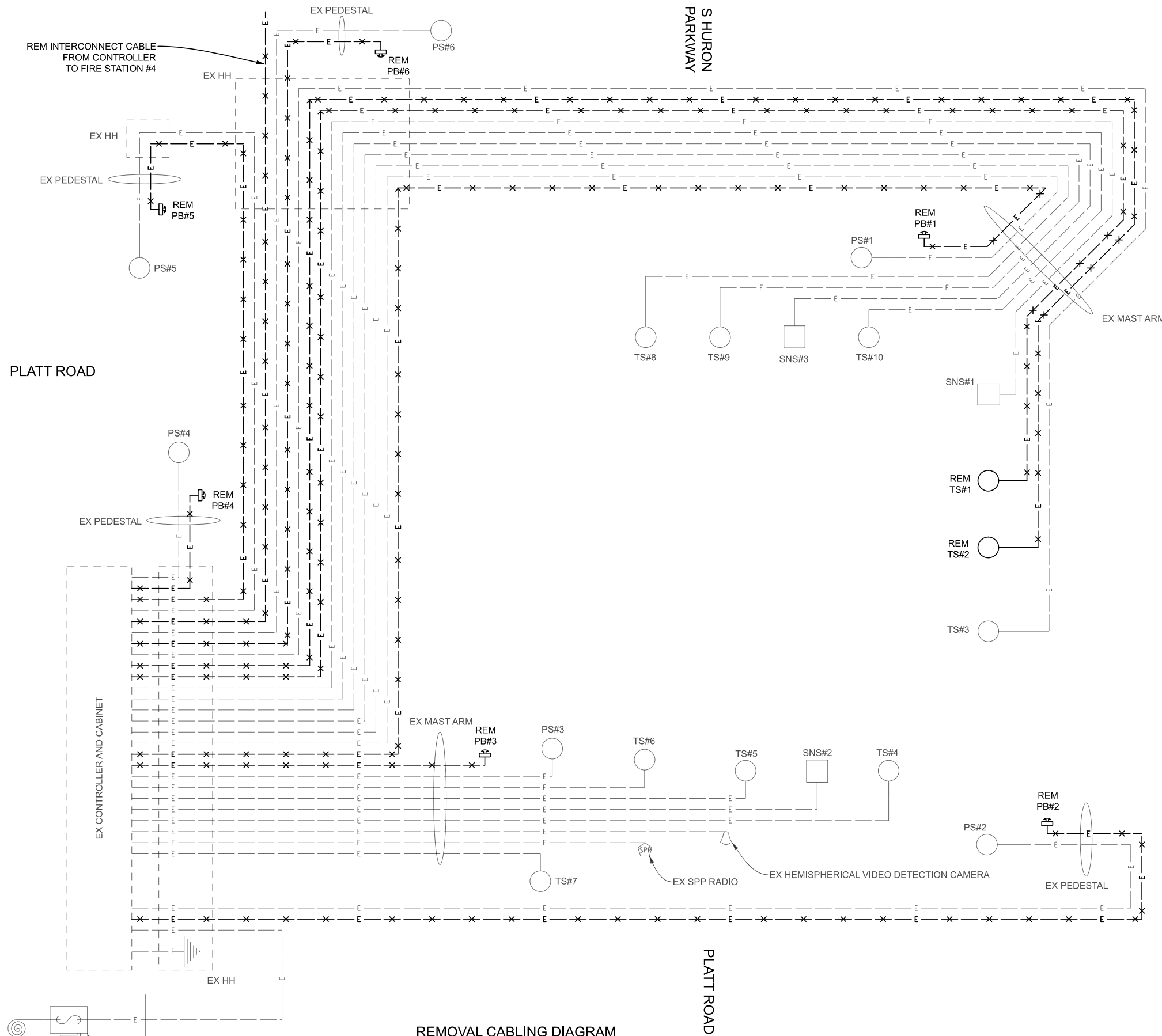
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REVISIONS	
11/21/2024	ADDENDUM 2

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EX 1-3/C #6 SECONDARY CABLE FOR 120/240V.
T.S. FEED FOR CONNECTION BY:
DTE ENERGY

EX 60A. SERVICE DISCONNECT
(NEMA 4X-STAINLESS STEEL)
FUSE AT 60 AMPERES



REMOVAL CABLING DIAGRAM
NOT TO SCALE

TRAFFIC SIGNAL - REMOVAL CABLING DIAGRAM
S HURON PARKWAY AT PRATT ROAD
CITY OF ANN ARBOR; WASHTENAW COUNTY

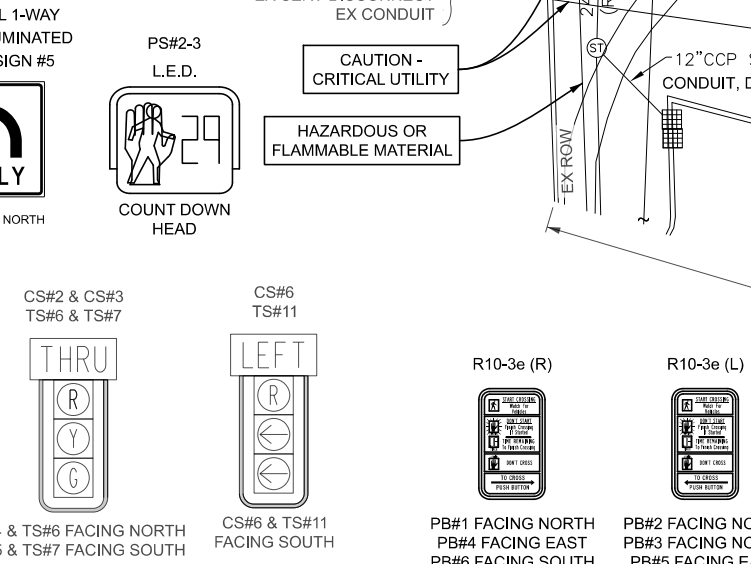
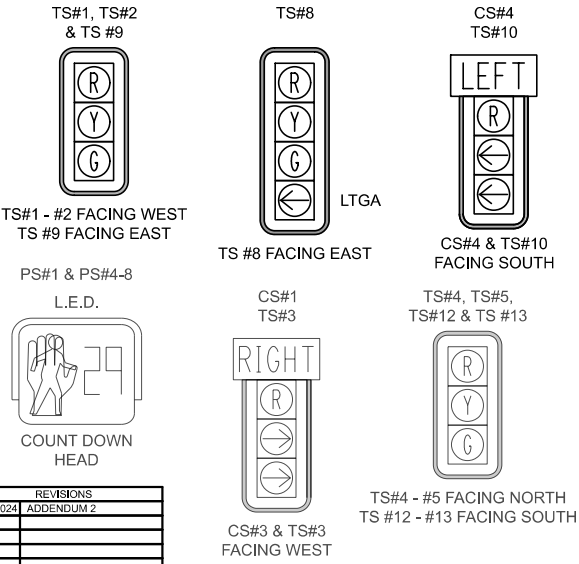
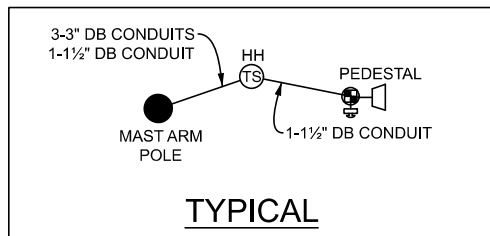
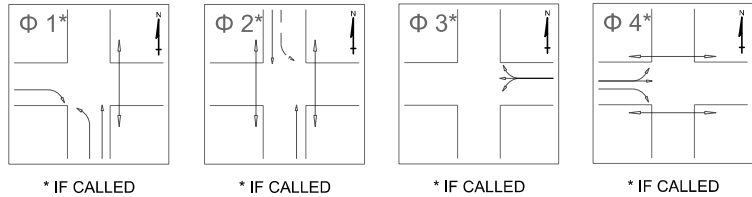
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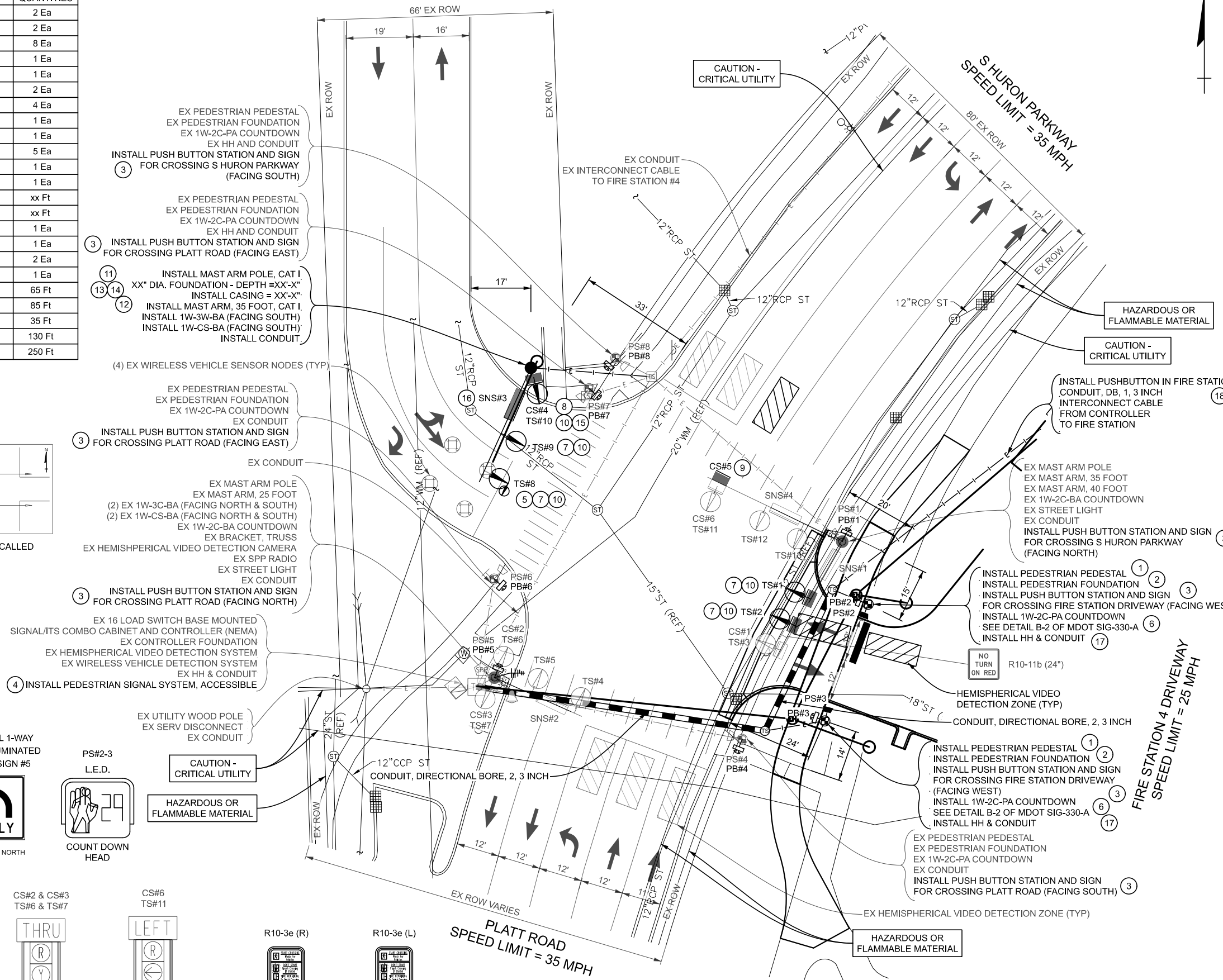
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LIST OF MATERIAL		
NO.	ITEM	QUANTITIES
1	Pedestal, Alum	2 Ea
2	Pedestal, Fdn	2 Ea
3	Push Button Station and Sign	8 Ea
4	Pedestrian Signal System, Accessible	1 Ea
5	TS, 4th Level, LTGA (LED)	1 Ea
6	TS, Pedestrian, One Way Pedestal Mtd (LED) Countdown	2 Ea
7	TS, One Way Mast Arm Mtd (LED)	4 Ea
8	Case Sign, One Way, 12 inch by 27 inch, Non-Illuminated	1 Ea
9	Case Sign, One Way, 24 inch by 30 inch, Non-Illuminated	1 Ea
10	Backplate, TS	5 Ea
11	Mast Arm Pole, Cat I	1 Ea
12	Mast Arm, 35 foot, Cat I	1 Ea
13	Mast Arm Pole Fdn, 6 Bolt	xx Ft
14	Casing	xx Ft
15	TS, One Way Bracket Arm Mtd (LED)	1 Ea
16	St Name Sign, Two Way, LED, 8 foot	1 Ea
17	Hh, Round	2 Ea
18	Pushbutton	1 Ea
19	Conduit, DB, 1, 1 1/2 inch	65 Ft
20	Conduit, DB, 1, 3 inch	85 Ft
21	Conduit, DB, 3, 3 inch	35 Ft
22	Conduit, Directional Bore, 2, 3 inch	130 Ft
23	Cable, Shielded, 600V, 1, 2/C#12, Intercn	250 Ft

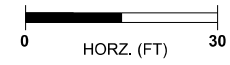
PHASING DIAGRAMS
NOT TO SCALE



PLATT ROAD
SPEED LIMIT = 35 MPH



TRAFFIC SIGNAL - INSTALL PLAN
S HURON PARKWAY AT PRATT ROAD
CITY OF ANN ARBOR; WASHTENAW COUNTY



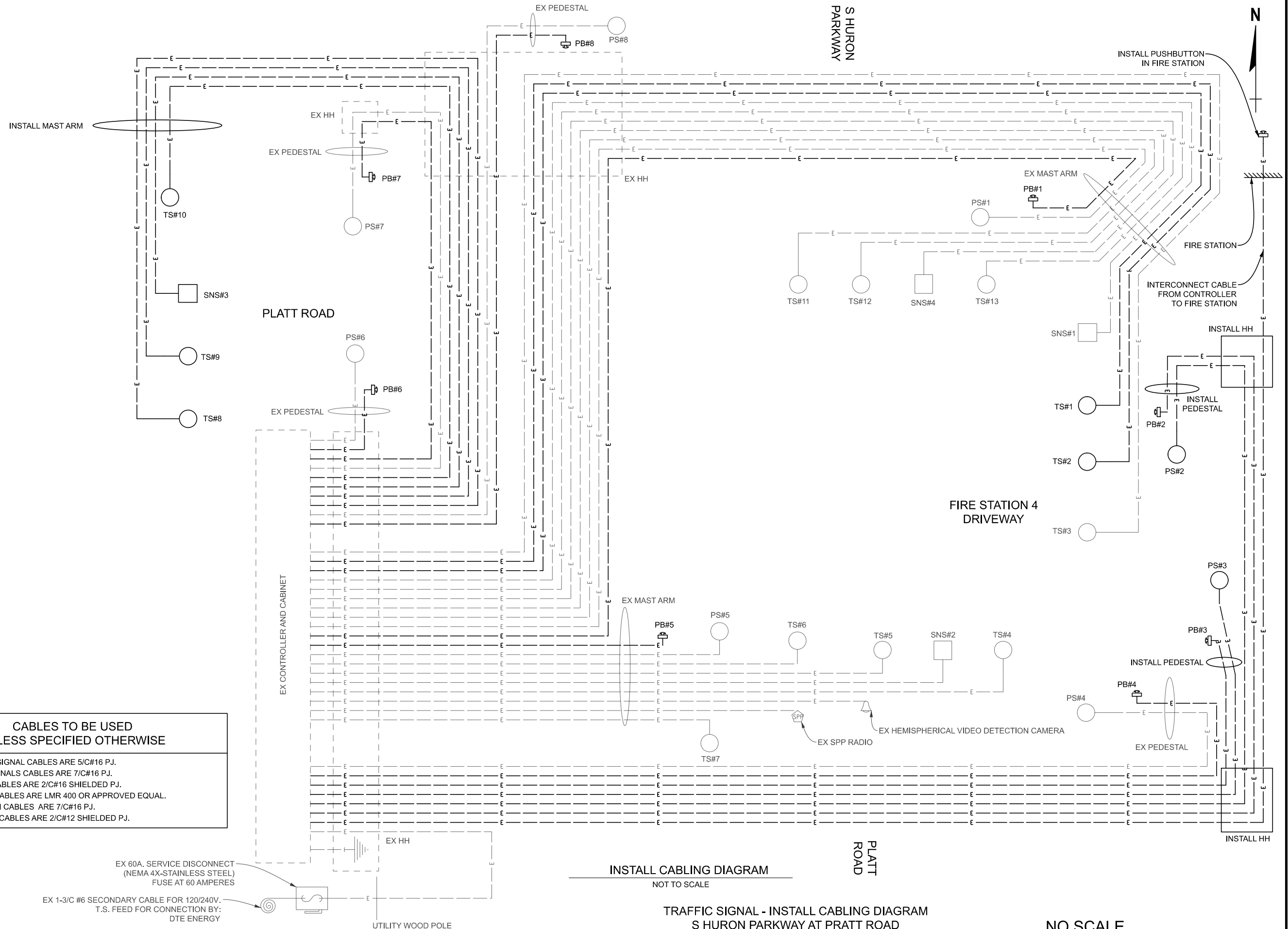
SIGNALS	
OPENINGS:	49
CYCLIC WATTS:	596
STEADY WATTS:	448
PLAN:	#169

PLOT INFO: Z:\2023\230003\CADD\HURONPKWY_PLATTRD_CON001.DGN USER: JMORDEN

REVISIONS	
11/21/2024	ADDENDUM 2

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Hard copy is intended to be 11"x17" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.



- CABLES TO BE USED UNLESS SPECIFIED OTHERWISE**
- 1W-3C TRAFFIC SIGNAL CABLES ARE 5/C#16 PJ.
 - PEDESTRIAN SIGNALS CABLES ARE 7/C#16 PJ.
 - PUSHBUTTON CABLES ARE 2/C#16 SHIELDED PJ.
 - YAGI ANTENNA CABLES ARE LMR 400 OR APPROVED EQUAL.
 - L.E.D. CASE SIGN CABLES ARE 7/C#16 PJ.
 - INTERCONNECT CABLES ARE 2/C#12 SHIELDED PJ.

EX 60A. SERVICE DISCONNECT (NEMA 4X-STAINLESS STEEL) FUSE AT 60 AMPERES

EX 1-3/C #6 SECONDARY CABLE FOR 120/240V. T.S. FEED FOR CONNECTION BY: DTE ENERGY

UTILITY WOOD POLE

INSTALL CABLING DIAGRAM
NOT TO SCALE

TRAFFIC SIGNAL - INSTALL CABLING DIAGRAM
S HURON PARKWAY AT PRATT ROAD
CITY OF ANN ARBOR; WASHTENAW COUNTY

NO SCALE

PLOT INFO: Z:\2023\230003\CAD\CAD\HURONPKWY_PLATTRD_CON002.DGN USER: JMORDEN

REVISIONS	
11/21/2024	ADDENDUM 2