

# SLOT 2

SURFACE DIRECT PATTERN

## HIGHLIGHTS

- 300 to 1500 lumens per foot Direct
- Up to 117 Lumens per Watt
- Integrated control with optional nLight or nLight Air for system networking
- Driver options for Dim to Dark, 1% or 10% minimum dimming
- White, black or silver paint with satin finish
- Declare listed



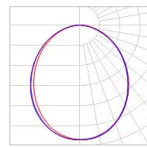
## FIXTURE PERFORMANCE

Nominal Lumens/Foot	Direct							
	300LMF	400LMF	600LMF	800LMF	1000LMF	1200LMF	1400LMF	1500LMF
Delivered Lumens/Foot	271	367	547	702	908	1060	1248	1368
Input Watts/Foot	2.38	3.14	4.68	6.27	7.98	9.85	11.93	13.07
Lumens/Watt	114	117	117	112	114	108	105	105

*Based on a 4ft 35K fixture with standard lambertian distribution*



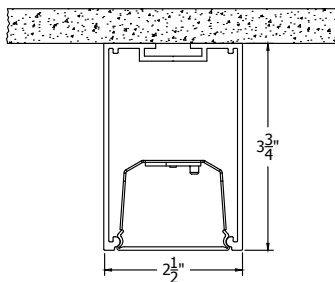
## DIRECT DISTRIBUTION



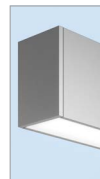
Lambertian (No Optic)

## DIMENSIONS

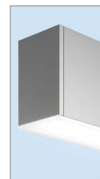
See page 5 for additional details.



## DIFFUSERS/SHIELDING



Flush Lens (FLL)



Edge View Lens (EGLD)

**ORDERING**

Example: S2SDMP RPP 32FT 490C 90CRI 35K 800LMF DARK FLL SCT MVOLT WHTT ZT

Series	Linear Plan	Fixture Dimensions	Connectors	Direct Light Source Color Rendering	Direct LED Color Temp	Direct Lumen Output
<b>S2SDMP</b> Slot 2 Surface Direct Master Pattern (formerly S2LSP)	<b>CPP</b> Closed Pattern Plan <b>OPP</b> Open Pattern Plan <b>RPP</b> Rectangular Pattern Plan <b>SPP</b> Square Pattern Plan	<b>_FT</b> Specify pattern in total linear feet. <i>Unit length may affect available options.</i>	<b>_90C<sup>1</sup></b> #90 Degree Horizontal Corner <b>_90T<sup>2</sup></b> #90 Degree T Connector <b>_90X<sup>2,3</sup></b> #90 Degree X Connector <i>For more information, see page x. 1. Corner angles available from 40° - 160°. Replace the 90 with the appropriate corner degree to specify. 2. T &amp; X connectors only available at 90 degrees 3. 90X is not available with 347.</i>	<b>80CRI</b> 80 CRI <b>90CRI</b> 90 CRI	<b>27K</b> 2700K <b>30K</b> 3000K <b>35K</b> 3500K <b>40K</b> 4000K <b>50K</b> 5000K	<b>300LMF</b> 300 Lumens per Foot <b>400LMF</b> 400 Lumens per Foot <b>600LMF</b> 600 Lumens per Foot <b>800LMF</b> 800 Lumens per Foot <b>1000LMF</b> 1000 Lumens per Foot <b>1200LMF</b> 1200 Lumens per Foot <b>1400LMF</b> 1400 Lumens per Foot <b>1500LMF</b> 1500 Lumens per Foot <b>_LMF</b> Specify Lumens between 300LMF - 1500LMF in 50LMF increments

Switching	Minimum Dimming Level	Optional Shielding	Voltage	Finish	Emergency Options
<b>SCT</b> Single Circuit/Single switching	<b>NODIM<sup>1</sup></b> no dimming <b>MINI</b> Constant current dimming to 1% <b>DARK</b> Constant current dimming to 0.1% <b>MINIO<sup>2</sup></b> Constant Current Dimming to 10% <i>1. Not available with Control Input options. 2. MINIO is not available with DALI, ECOD or ECOD2.</i>	<b>FLL</b> Flush Lens (Default) <b>EGLD<sup>1</sup></b> Edge Glow, Direct <i>1. EGLD is not available with E10WLCP, NLTAIR2 or sensors. Only available in whole foot increments.</i>	<b>MVOLT</b> Multi-Volt, 120-277 <b>120</b> 120V <b>277</b> 277V <b>347<sup>1</sup></b> 347V <i>1. 347 is only available with ZT. 347 is not available with emergency options or sensors.</i>	<b>WHTT</b> White, Satin <b>BLKT</b> Black, Satin <b>SLVT</b> Silver, Satin <b>RALTB<sup>1</sup></b> <a href="#">RAL Paint Finishes</a> <i>1. RALTB is for pricing only. Replace with applicable RAL number &amp; finish when placing order.</i>	<b>(blank)</b> No Emergency Options <b>_E10WLCP<sup>1</sup></b> emergency battery pack <b>_WEC<sup>2</sup></b> Emergency circuit for entire run <b>_EC</b> # of Emergency Circuits <b>GTD<sup>3</sup></b> Generator Transfer Device (remote) <i>Battery packs are not available in connectors. For more information on the emergency options, see page x. 1. E10WLCP is not available in units under 4'. E10WLCP with NLTAIR2 is only available in units 7'-8'. 2. WEC is not available with NLIGHT, NLTAIR2 or sensors. 3. GTD is remote mounted. GTD is not available with MVOLT or 347.</i>

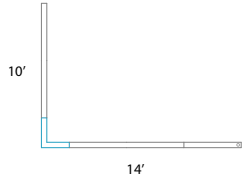
Control Input	Primary Sensor	Secondary Sensor	Tertiary Zone	Options
<b>(blank)</b> Non-Dimming <b>ZT</b> 0-10V <b>NLIGHT</b> nLight Wired <b>NLTAIR2<sup>1</sup></b> nLight Air 2 Wireless Enabled <b>DALI<sup>2</sup></b> DALI <b>ECOD<sup>3</sup></b> Lutron EcoSystem Digital Driver <i>1. NLTAIR2 can be used as a normal power sensing device for nLight Air devices and luminaires with EM emergency options. It is not available with NODIM. NLTAIR2 with DCT fixtures cannot be less than 4'. 2. DALI is only available with DARK. DALI is not available with sensors. 3. ECOD is only available with MINI. It is not available with E10WLCP &amp; sensors. It is only available with 300LMF, 600LMF, 1000LMF or 1500LMF.</i>	<b>(blank)</b> No sensors <b>NS_</b> Primary Zone with No Sensor (Specify length in feet) <b>ADC<sup>1</sup></b> Daylight Dimming Sensor <b>PDT<sup>1</sup></b> Dual Technology Occupancy Sensor, PIR and Microphonics Sensor <b>APIR<sup>2</sup></b> Passive Infrared Occupancy and Daylight Dimming Sensor <b>APDT<sup>2</sup></b> Dual Technology Occupancy and Daylight Dimming Sensor <i>Sensors are only available with FLL and fixtures 4' and above. Sensors are not available in connectors. For more information, see page 6. 1. ADC &amp; PDT are available with ZT or NLIGHT 2. APIR &amp; APDT are available with ZT, NLIGHT or NLTAIR2.</i>	<b>(blank)</b> No Sensors or Secondary Zone <b>SNS_</b> Secondary Zone with No Sensor (Specify length in feet) <b>SADC<sup>1</sup></b> Daylight Dimming Sensor, Secondary Zone <b>SPDT<sup>1</sup></b> Dual Technology Occupancy Sensor, PIR and Microphonics Sensor, Secondary Zone <b>SAPIR<sup>2</sup></b> Passive Infrared Occupancy and Daylight Dimming Sensor, Secondary Zone <b>SAPDT<sup>2</sup></b> Dual Technology Occupancy and Daylight Dimming Sensor, Secondary Zone <i>Sensors are only available with FLL and fixtures 4' and above. Sensors are not available in connectors. For more information, see page 6. 1. ADC &amp; PDT are available with ZT or NLIGHT 2. APIR &amp; APDT are available with ZT, NLIGHT or NLTAIR2.</i>	<b>(blank)</b> No Tertiary Zone <b>TNS_</b> Tertiary Zone (Specify length in feet)	<b>(blank)</b> No Options <b>BAA</b> Buy America(n) Act and/or Build America Buy America Qualified

**NOTE:** Unit length and lumen outputs may affect available options.

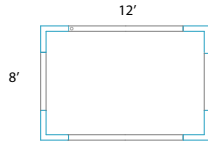
**PATTERN ORDERING GUIDE**

Slot 2 LED patterns can be configured in 1" increments with illuminated corners, X & T connectors. Corners are available between 40° and 160° in 1° increments. For custom angles, corners of junction lengths, consult factory.

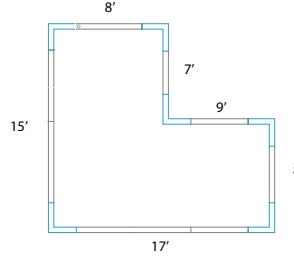
- 4 corners are required for SPP & RPP plans.
- The system will only price a maximum of 6 of each type of connector on one order line and up to 100 total feet. Please consult with quotations to determine pricing if over limits.
- Total Run Length = all sides of the pattern



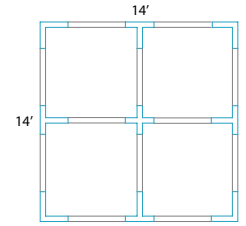
Total run length = 24FT  
190C or 90C = (1) 90° corner  
Nomenclature:  
S2SDMP OPP 24FT 190C 90CRI 30K 60OLMF  
SCT DARK MVOLT WHT ZT



Total run length = 40FT  
490C = (4) 90° corners  
Nomenclature:  
S2SDMP RPP 40FT 490C 90CRI 30K  
60OLMF SCT MINI MVOLT WHT ZT



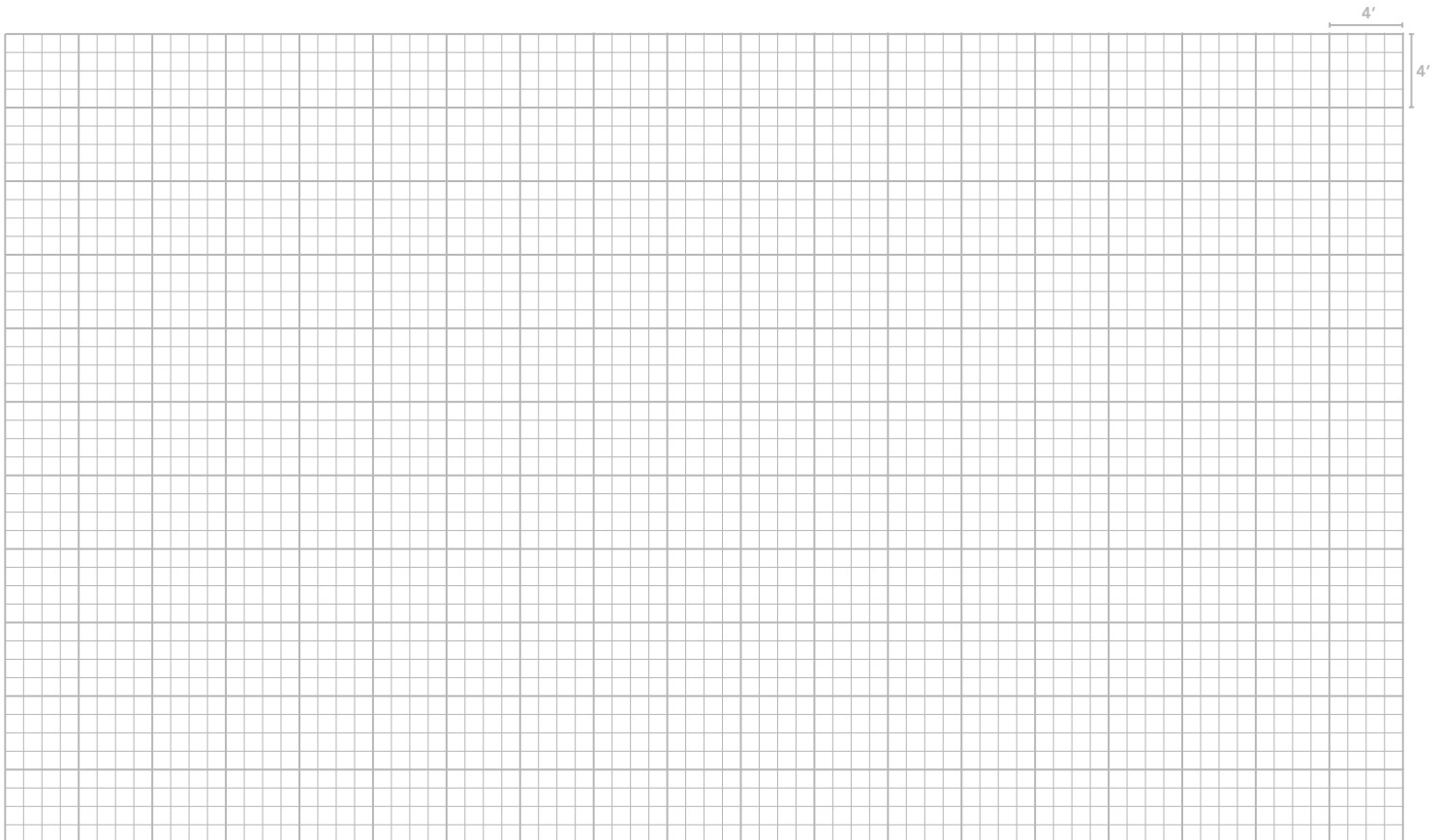
Total Run length = 64FT  
690C = (6) 90° corners  
Nomenclature:  
S2SDMP CPP 64FT 690C 90CRI 30K 60OLMF  
SCT MINI MVOLT WHT ZT



Total Run Length = 84FT  
490C = (4) 90° corners  
190X = (1) 90° X connectors  
490T = (4) 90° T connectors  
Nomenclature:  
S2SDMP CPP 84FT 490C 490T 190X 90CRI  
30K 60OLMF SCT MINI MVOLT WHT ZT

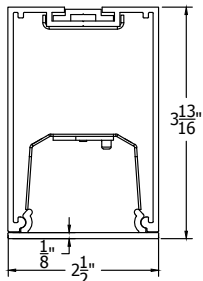
**LAYOUT SKETCH**

Please draw and configure your pattern plan below.



**SHIELDING, OPTICS & CONNECTORS**

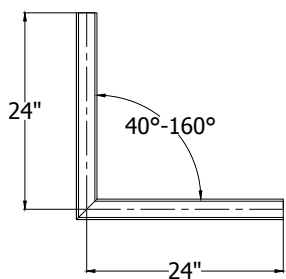
**Direct Shielding**



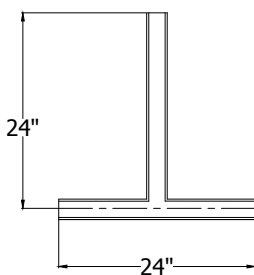
Edge Glow Lens  
(EGLD)

**Run Patterns, Corners and Junction**

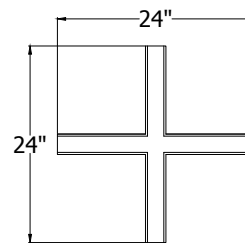
Patterns can be configured in 1" increments with illuminated L, T & X connectors with standard 2' corner. L connectors are available in 40-160 degrees in 1 degree increments. T & X connectors available in 90 degrees. For custom angles, corner or junction lengths, consult factory.



L Connector



T Connector



X Connector

**INTELLIGENT LUMINAIRE TECHNOLOGY GUIDE**

Choose nomenclature from these columns					
Driver Configurations	Minimum Dimming Level	Control Input	Dimming Range	Notes	
	NO DIM	+	(blank)	-	No 0-10V leads from the driver.
	MINIO	+	ZT	100 to 10%	
	MIN1	+	ZT	100 to 1%	
	MIN1	+	NLIGHT	100 to 1%	
	MIN1		ECOD	100 to 1%	Lutron Hi-lume 1% EcoSystem LED Driver with Soft-on, Fade-to-Black (model LDE1)
	DARK		ZT	100 to 0.1%	
	DARK		NLIGHT	100 to 0.1%	
	DARK		DALI	100 to 0.1%	"Compatible with DALI. Formerly (EDB & EDAB) nomenclature." Logarithmic dimming

Choose nomenclature from these columns						
Control / Sensor Configurations	Control Input	Sensor	Sensor	Notes		
	ZT	+	ADC	=	MSD ADC	Automatic dimming control integral photocell.
	ZT	+	PDT	=	MSD PDT 7	Dual technology integral occupancy sensor.
	ZT	+	APIR	=	MSD 7 ADC	PIR integral occupancy sensor with automatic dimming control photocell.
	ZT	+	APDT	=	MSD PDT 7 ADC	Dual technology integral occupancy sensor with automatic dimming control photocell.
	NLIGHT	+	(blank)	=	nIO EZ PH	nLight enabled only. No onboard sensor.
	NLIGHT	+	ADC	=	nIO EZ PH + nES ADCX	Automatic dimming control integral photocell. nLight enabled.
	NLIGHT	+	PDT	=	nIO EZ PH + nES PDT 7	360° Dual technology integral occupancy sensor. nLight enabled.
	NLIGHT	+	APIR	=	nIO EZ PH + nES 7 ADCX	360° PIR integral occupancy sensor with automatic dimming control photocell. nLight enabled.
	NLIGHT	+	APDT	=	nIO EZ PH + nES PDT 7 ADCX	360° Dual technology integral occupancy sensor with automatic dimming control photocell. nLight enabled.
	NLTAIR2	+	(blank)	=	RIO EZDL EXT900 ACWH 90D G2	nLight AIR enabled only. No onboard sensor.
	NLTAIR2	+	APIR	=	RES7 EXT900 ACWH 90D G2	PIR integral occupancy sensor with automatic dimming control photocell. nLight AIR enabled.
	NLTAIR2	+	APDT	=	RES7 PDT EXT900 ACWH 90D G2	Dual technology integral occupancy sensor with automatic dimming control photocell. nLight AIR enabled.

For more information, please consult our technical guides for [nLight](#) or [nLight Air](#).

**UL924 Sequence of Operation**

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the **CLAIRITY+** mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

**nLight® Wired Control Accessories**  
*Order as separate catalog number*

Wall Switches	Model Number
On/Off single pole	nPODMA (color)
On/Off two pole	nPODMA 2P (color)
On/Off single pole, dimming	nPODMA DX (color)
On/Off two pole, dimming	nPODMA 2P DX (color)
On/Off, two level	nPODMA 2L (color)
Graphic touchscreen	nPOD TOUCH (color)

For more information see [nPOD](#) and [nPOD TOUCH](#) spec sheets

**nLight AIR® Control Accessories**  
*Order as separate catalog number*

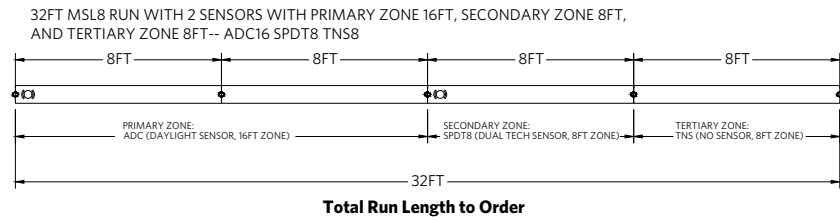
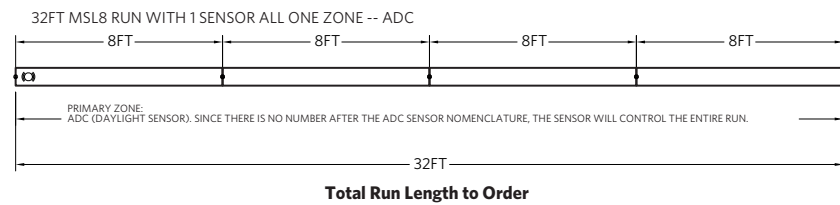
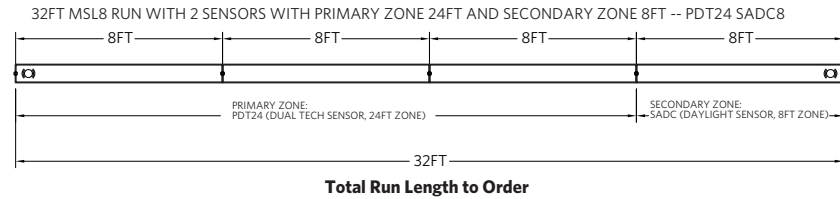
Wall Switches	Model Number
On/Off single pole	rPODBA (color)
On/Off two pole	rPODBA 2P (color)
On/Off single pole, dimming	rPODBA DX (color)
On/Off two pole, dimming	rPODBA 2P DX (color)
On/Off, 4 scene control	rPODBA 4S (color)

For more information see [rPOD](#) spec sheets

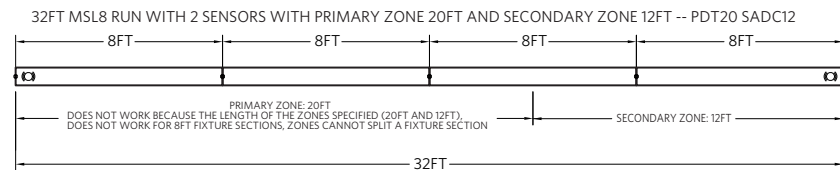
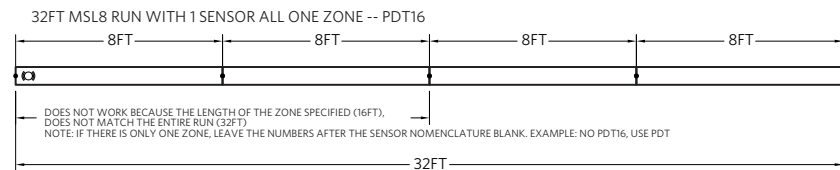
**INTEGRATED SENSOR LAYOUT**

For runs longer than 8FT:  
ALWAYS order the run by the TOTAL RUN LENGTH. Ordering the sections individually will not provide the correct joining hardware to allow connection in the field.

**CORRECT:**



**INCORRECT:**



**Notes:**

- Only one sensor per zone
- At the most, the entire run can only have 2 sensors (thus 2 sensors zones at the most)
- Sensor zone can not split fixture sections
- No overlapping zones

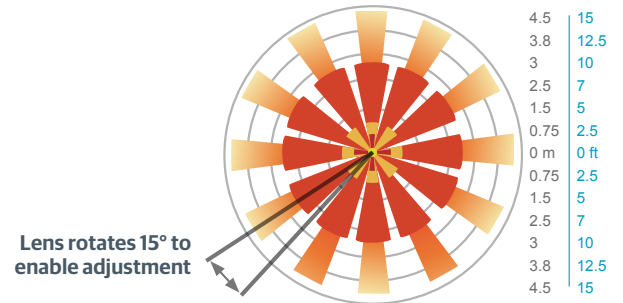
**OCCUPANCY DETECTION COVERAGE**

At the 7.5 ft (2.9 m) hanging height of a typical pendant mount fixture the sensor provides 10 ft (3.05 m) radial detection of small motion. At a 9 ft (2.74 m) hanging height the radius is 12 ft (3.66 m) for small motion.

Adequate for walking motion detection from mounting heights between 7.5 ft (2.29 m) and 20 ft (6.10 m).

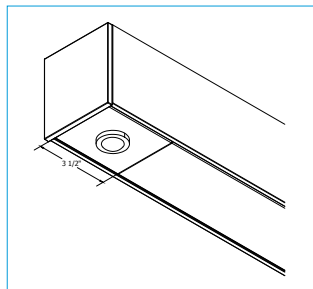
Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor.

Initial detection of walking motion into long coverage segment will occur at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m). Lens assembly rotates 15° to enable adjustment in order to line up long segments.



**Integrated Controls**

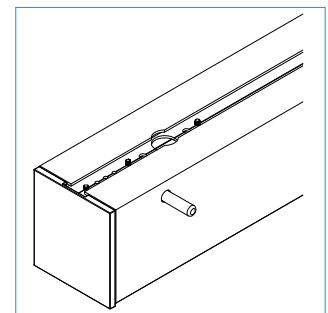
Optional nLight® integrated controls make Slot LED luminaires addressable- allowing them to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices using standard CAT5 Cabling (included).



Occupancy Sensor and/or Photocell

**nLight Air Wireless Antenna Location**

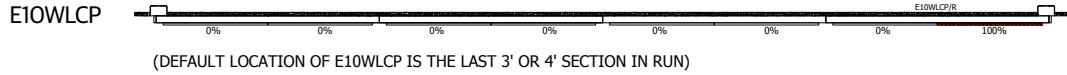
Note: Antenna will be shipped separately and will need to be attached to the coax connector.



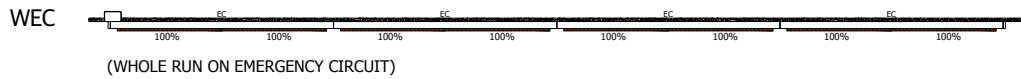
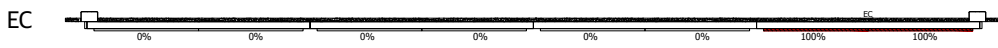
**EMERGENCY OPTIONS**

**Emergency Battery Packs**

The **PS1055LCP** battery is integral to the fixture and comes standard with a remote test switch and self-diagnostics. Only direct light portion operated by emergency, as indicated below. Battery packs cannot be placed in the connectors.



**Emergency Circuits**

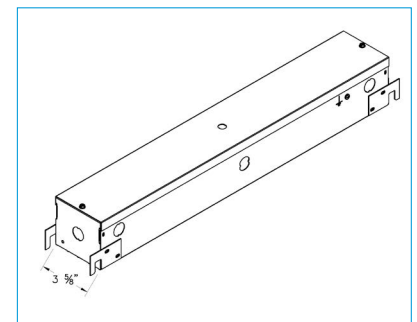
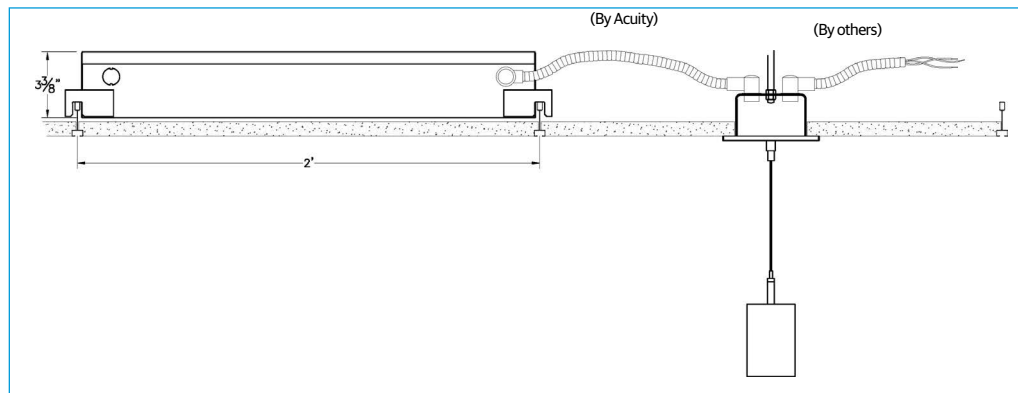


**How to Estimate Delivered Lumens in Emergency Mode**  
Use the formula below to estimate the delivered lumens in emergency mode  
**Delivered Lumens = 1.25 x P x LPW**  
P = 10W for PS1055LCP  
LPW = Lumen per watt rating of the luminaire This information is available on page 1 of this spec sheet or appropriate IES file.

Section Length	E10WLCP	EC
U2	None	Entire unit
U3	None	Entire unit
U4	Entire unit	Entire unit
U5	Last 3'	Entire unit
U6	Last 3'	Entire unit
U7	Last 4'	Entire unit
U8	Last 4'	Entire unit

**Remote GTD Mounting Option**

Recessed in ceiling. Consult factory for other ceiling types or canopy options. 6 foot flexible conduit included, GTD option should be mounted within 6 feet of junction box above fixture.



Accessible Ceiling

## SPECIFICATIONS

### Housing

One-piece extruded aluminum housing

### Finish

Standard colors for fixtures and end caps are polyester powder coated white, black, or silver with satin sheen. Consult factory for custom colors and RAL color options.

### Lenses/Shielding

Extruded acrylic lens (FLL) and edge glow lens (EGLD).

### LED Components

Multiple lumen packages available with 2700K, 3000K, 3500K, 4000K and 5000K CCT. The Acuity Brands circuit boards for the linear LED components use a precise binning algorithm which creates a consistent color temperature from board to board. The color a variation of no greater than a 2.5 Step MacAdam (2.55DECM) along the black body locus from board to board.

### Electrical

Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 90% LED lumen maintenance at 60,000 hours (L90/60,000).

### Controls System Networking Options

Optional integrated nLight® controls make each fixture 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 remote nLight AIR wireless or through standard Cat-5 cabling. (cabling "by others") nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other, while nLight AIR is commissioned easily through an intuitive mobile app.

### Emergency Battery (Optional)

Integral emergency battery (E10WLCP) for 90 minutes of operation. Emergency battery pack, 10W, Linear Constant Power Certified in CA Title 20 MAEDBS.

Remote generator transfer device (GTD) works in conjunction with an auxiliary generator or a central inverter system to power fixtures for safe egress lighting.

### Dimming Drivers

Factory tuned constant current electronic dimming driver is standard. Flicker free dimming available down to <1%. LED drivers perform within the recommended operating areas for flicker as a function of frequency and modulation (%) IEEE Standard 1789-2015 (IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers), in typical operating conditions at representative dimming levels. Electrical specifications at maximum driver load: PF > 0.9 and THD <20%. Meets FCC Title 47 Class A or Class B. Other available drivers include Lutron and DALI protocol drivers. All drivers are RoHS compliant.

### Environment

Suitable for damp location. Indoor use only.

### Certification

CSA certified to meet U.S. and Canadian standards (UL1598 and UL8750).

### Ambient Operating Temperature

-20°C (-4° F) to +25°C (+77°F).

### Government Procurement

BAA - Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.  
BABA - Build America Buy America: Product 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](http://www.acuitybrands.com/buy-american) for additional information.

### Fixture Weight

0.8 lb per foot, less packaging.

### 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](http://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.