

# SLOT 2

WALL INDIRECT

## HIGHLIGHTS

- 300 to 1500 lumens per foot Indirect
- Up to 163 Lumens per Watt
- Lambertian or Asymmetric distributions
- 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
- UGR is less than 10 for fixtures with 100% indirect only optics per CIE 117-1995 Discomfort Glare in Interior Lighting.

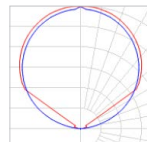
## FIXTURE PERFORMANCE

Nominal Lumens/Foot	Indirect							
	300LMF	400LMF	600LMF	800LMF	1000LMF	1200LMF	1400LMF	1500LMF
Delivered Lumens/Foot	315	394	594	788	990	1183	1388	1530
Input Watts/Foot	1.95	2.56	3.82	4.84	6.17	7.51	8.94	9.75
Lumens/Watt	162	154	156	163	160	158	155	157

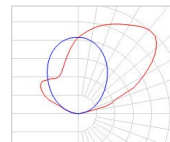
*Based on a 4ft 35K fixture with standard lambertian distribution*



## INDIRECT DISTRIBUTION



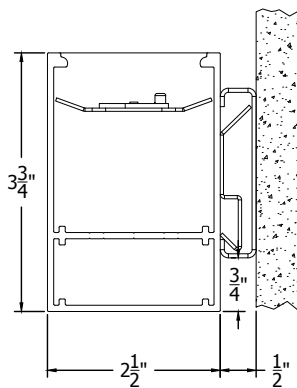
Lambertian (No Optic)



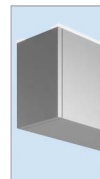
Asymmetric (AS)

## DIMENSIONS

See page 5 for additional details.



## DIFFUSERS/SHIELDING



Top Glow (TGLD)

**ORDERING**

Example: S2WI LLP 32FT MSL8 I90CRI I35K I1200LMF MINI SCT MVOLT WHTT ZT

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Series	Linear Plan	Total Run Length	Max Section Length	Indirect Light Source Color Rendering	Indirect LED Color Temp	Indirect Lumen Output	Indirect Distribution
<b>S2WI</b> Slot 2 Wall Indirect (Formerly S2LW)	<b>LLP</b> Linear Longest Possible <b>LCB</b> Linear Center Balanced <b>LSL</b> Longest Same Length For more information on linear plans, see page 4.	<b>_FT</b> Specify Continuous Run Length (in 1' increments, 2' minimum)  Unit length may affect available options. <b>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.</b>	<b>MSL2</b> 2FT Length <b>MSL3</b> 3FT Length <b>MSL4</b> 4FT Length <b>MSL5</b> 5FT Length <b>MSL6</b> 6FT Length <b>MSL7</b> 7FT Length <b>MSL8</b> 8FT Length	<b>I80CRI</b> 80CRI <b>I90CRI</b> 90CRI	<b>I27K</b> 2700K <b>I30K</b> 3000K <b>I35K</b> 3500K <b>I40K</b> 4000K <b>I50K</b> 5000K	<b>I300LMF</b> 300 Lumens per FT <b>I400LMF</b> 400 Lumens per FT <b>I600LMF</b> 600 Lumens per FT <b>I800LMF</b> 800 Lumens per FT <b>I1000LMF</b> 1000 Lumens per FT <b>I1200LMF</b> 1200 Lumens per FT <b>I1400LMF</b> 1400 Lumens per FT <b>I1500LMF</b> 1500 Lumens per FT <b>_LMF</b> Specify Lumens between 300LMF - 1500LMF in 50LMF increments	<b>(blank)</b> Lambertian <b>AS<sup>1</sup></b> Asymmetrical Distribution  1. AS is only available in whole foot increments. It is not available with E10WLCP, GTD or sensors.

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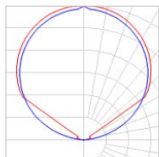
Switching	Minimum Dimming Level	Indirect Shielding	Voltage	Finish	Secondary Power Option
<b>SCT</b> Single Circuit	<b>NODIM<sup>1</sup></b> Non Dimming <b>MINI</b> Constant Current, Dimming To 1% <b>MINIO<sup>2</sup></b> Constant Current, Dimming To 10% <b>DARK</b> Constant Current, Dimming To 0.1%  1. Not available with Control Input options. 2. MINIO is not available with DALI, ECOD or ECOD2.	<b>(blank)</b> No Indirect Shielding <b>TGLD<sup>1</sup></b> Top Glow Lens <b>DC</b> Dust Cover, Clear <b>DCF</b> Dust Cover, Frosted  1. TGLD is only available in whole foot increments. It's not available with E10WLCP or NLTAIR2.	<b>MVOLT</b> Multi-Volt, 120-277 <b>120</b> 120V <b>277</b> 277V <b>347<sup>1</sup></b> 347V  1. 347 is only available with ZT. 347 is not available with emergency options or sensors.	<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 Finish</a> RALTB is for pricing only. Replace with applicable RAL number & finish when placing order.	<b>(blank)</b> No Secondary Power Options <b>_E10WLCP<sup>1</sup></b> # of 10W Battery Packs, Constant Power, Self Diagnostics, T20 Compliant <b>WEC</b> Emergency Circuit for Entire Run <b>_EC<sup>2</sup></b> # of Emergency Circuits <b>GTD<sup>3</sup></b> Generator Transfer Device (Remote mounted)  1. E10WLCP is not available in units under 4'. E10WLCP with NLTAIR2 is only available in units 7'-8'. 2. EC powers entire unit. 3. GTD is remote mounted. (See more information on page 9.) GTD is not available with MVOLT or 347.

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Control Input	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  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. 3. ECOD is only available with MINI. It is not available with E10WLCP & sensors. It is only available with 300LMF, 600LMF, 1000LMF or 1500LMF.	<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.

**PHOTOMETRICS**



Test Report: ISF 23191P181  
IES LM79-08  
S2WI U4 180CRI 135K 11000LMF  
Lumens: 3981.7  
Wattage: 24.67  
Efficacy: 161.40

**EXPECTED LIFE: L90 @ 60,000 HOURS**  
**CALCULATED LIFE: L80 @ 120,000 HOURS**

**CCT SCALING CHART**

CCT	CRI	MULTIPLIER
27K	80CRI	0.94
30K	80CRI	0.97
35K	80CRI	1.00
40K	80CRI	1.02
50K	80CRI	1.03
27K	90CRI	0.79
30K	90CRI	0.81
35K	90CRI	0.83
40K	90CRI	0.84
50K	90CRI	0.89

Lumen scaling charts can be used to approximate the lumen values at different Kelvin temperatures, color rendering indices, optics or sheilding.

Example: Find base lumen value x multiplier value = new lumen value

**OPTICAL SCALING CHARTS**

UPLIGHT	
DISTRIBUTIONS	MULTIPLIER
AS	0.79
SHIELDING	MULTIPLIER
TGLD	0.9
DC	0.88
DCF	0.86

**LINEAR PLAN**

Mark Lighting offers the ability to provide a continuous run plan to suit your requirements by optionally offering three different methods of configuration.

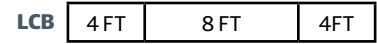
**LLP- Linear Longest Possible**

In this configuration, the longest length available is optimized, resulting in the fewest segments and mounting locations. Caution should be used where balanced appearance is a concern. Example: 20 FT run would have 2, 8 FT segments and 1, 4 FT segment at the end of the run.



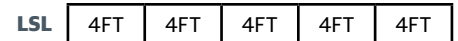
**LCB- Linear Center Balanced:**

This configuration incorporates the longest center segment(s) along with any additional lengths required to fill the run length, added to the run ends. Example: 16 FT run would have 2, 4 FT segments (one at each end) and 1, 8 FT segment in the center.



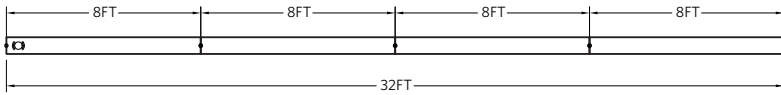
**LSL- Linear Same Length:**

In this configuration, each segment is the same length and is standardized based on the longest length available and is the only option provided. Because it is dependent on one segment length and there are mathematical limitations on what overall row lengths can be achieved. Example: 20 FT row would be achieved with 5, 4 FT long segments equaling 20 FT (nominal).

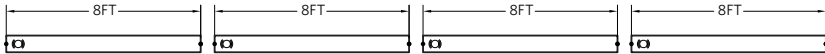


**Total Run Length**

This system is not modular. Runs longer than 8FT will be automatically configured with left, intermediate and right sections, based on how you specify the TOTAL RUN LENGTH and MAXIMUM SECTION LENGTH parameters in the ordering information. Always order the total run length, not the individual sections.



Example: This run must be ordered as 1pc "S2WI LLP 32FT MSL8..."



Example: If you order as 4pcs "S2WI LLP 8FT MSL8... you will receive these INDIVIDUAL sections that cannot be joined together

**Maximum Section Length**

The run will be broken out using as many sections at the chosen maximum section length as possible. Shorter sections will then complete the desired run length.

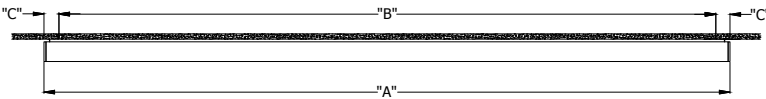
Examples:

S2WI LLP 21FT MSL5... = 5FT / 4FT / 4FT / 4FT / 4FT

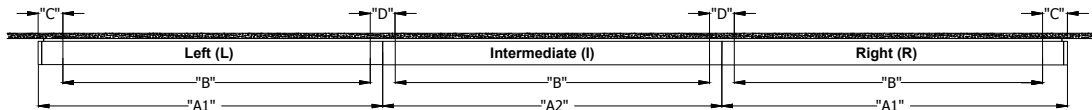
S2WI LLP 21FT MSL6... = 6FT / 6FT / 5FT / 4FT

S2WI LLP 21FT MSL7... = 7FT / 7FT / 7FT

S2WI LLP 21FT MSL8... = 8FT / 8FT / 5FT



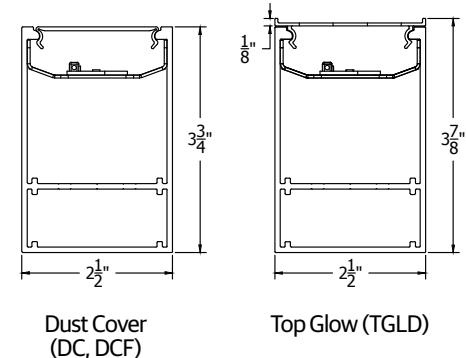
INDIVIDUAL FIXTURES				
ORDERED LENGTH	"A" O.A.L.	"B" O.C.	"C" FROM END	APPROX. WEIGHT
2FT	2'- 0 9/16"	1'- 1"	5 3/4"	1.6 LBS
3FT	3'- 0 9/16"	2'- 1"	5 3/4"	2.4 LBS
4FT	4'- 0 9/16"	3'- 1"	5 3/4"	3.2 LBS
5FT	5'- 0 9/16"	4'- 1"	5 3/4"	4 LBS
6FT	6'- 0 9/16"	5'- 1"	5 3/4"	4.8 LBS
7FT	7'- 0 9/16"	6'- 1"	5 3/4"	5.6 LBS
8FT	8'- 0 9/16"	7'- 1"	5 3/4"	6.4 LBS



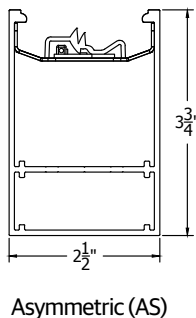
RUN LAYOUT						
ORDERED LENGTH	"A1" O.A.L.	"A2" O.A.L.	"B"	"C" FROM END	"D"	APPROX. WEIGHT
4FT	4'- 0 1/4"	4'- 0"	3'- 1"	5 3/4"	11"	3.2 LBS
5FT	5'- 0 1/4"	5'- 0"	4'- 1"	5 3/4"	11"	4 LBS
6FT	6'- 0 1/4"	6'- 0"	5'- 1"	5 3/4"	11"	4.8 LBS
7FT	7'- 0 1/4"	7'- 0"	6'- 1"	5 3/4"	11"	5.6 LBS
8FT	8'- 0 1/4"	8'- 0"	7'- 1"	5 3/4"	11"	6.4 LBS

**SHIELDING, OPTICS & CONNECTORS**

**Indirect Shielding**

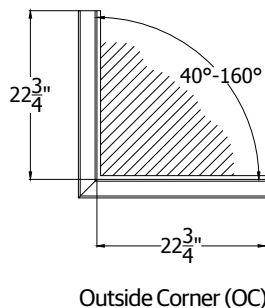
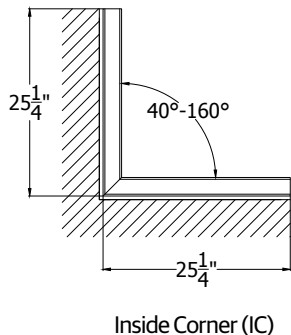


**Indirect Optics**



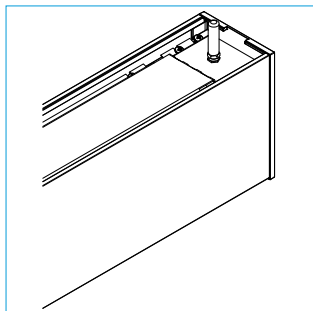
**Run Patterns, Corners and Junction**

Patterns can be configured in 1' increments with illuminated L connectors with standard 2' corner. L connectors are available in 40-160 degrees in 1 degree increments. For custom angles, corner or junction lengths, consult factory. See separate pattern spec sheet for more details.



**nLight Air Wireless Antenna Location**

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

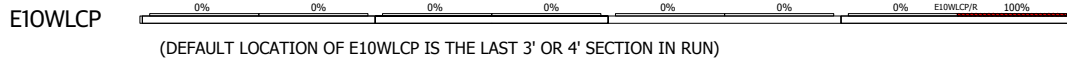
Wall Switches	Model Number
On/Off single pole	rPODBA (color)
On/Off two pole	rPODBA 2P (color)
On/Off single pole, dimming	rPODBA DX (color)
On/Off two pole, dimming	rPODBA 2P DX (color)
On/Off, 4 scene control	rPODBA 4S (color)

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

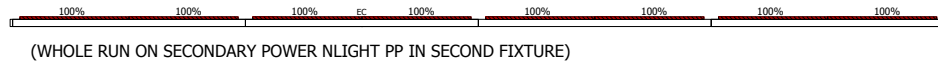
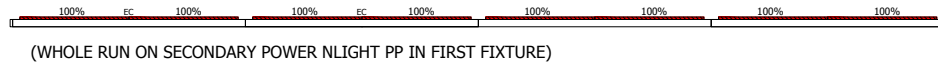
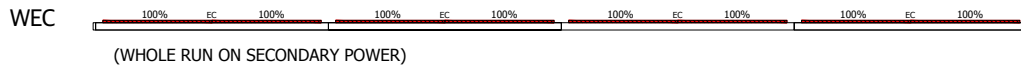
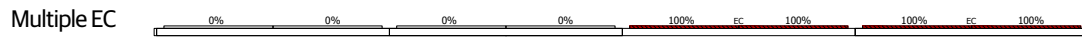
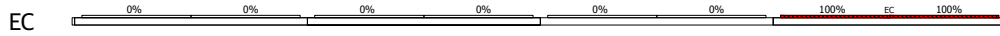
**SECONDARY POWER OPTIONS**

**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.



**Secondary Circuits**

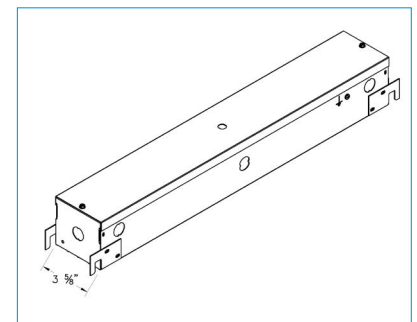
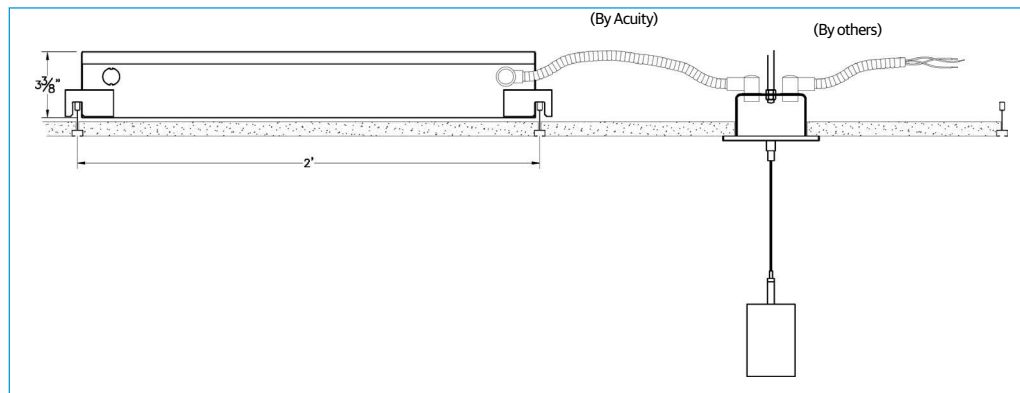


**How to Estimate Delivered Lumens in Emergency Mode**  
Use the formula below to estimate the delivered lumens in emergency mode  
**Delivered Lumens = 1.25 x P x LPW**  
P = 10W for PS1055LCP  
LPW = Lumen per watt rating of the luminaire This information is available on page 1 of this spec sheet or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

### Optics (Distribution)

Asymmetric (AS) distributions incorporate injection molded, optical grade, UV-resistant acrylic optic.

### Lenses/Shielding

Indirect: Clear acrylic, dust cover (DC), frosted, acrylic dust cover (DCF), Extruded acrylic top glow lens (TGLD).

### 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.

### 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.