

OVERVIEW

# General Illumination Round Downlight

# 4"

## Feature Set

- Bounding Ray™ optical design
- Unitized optics mechanically attach the light engine to the lower reflector for complete optical alignment.
- 45° cutoff to source and source image
- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 MacAdam Ellipse; 85 CRI typical, 90+ CRI optional
- Fixtures are wet location, covered ceiling
- Available with 10% dimming, 1% dimming, or dim to dark
- Batwing distribution with feathered edges provides even illumination on horizontal and vertical surfaces
- ENERGY STAR® certified product
- UGR of zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1995 Discomfort Glare in Interior Lighting. [UGR FAQ](#)

## Distribution



## Superior Performance\*

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500
Delivered Lumens	271	573	808	1001	1527	1994	2580	3110	3612	4120	4584
Wattage	3.1	7.2	7.9	8.8	13.7	19.5	25.7	31.2	38.4	35.4	40.1
Lumens per Watt	87.4	79.6	102.3	113.8	111.5	102.3	100.4	99.7	94.1	116	114

\*Based on 3500K AR LSS MWD 80CRI



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](http://www.acuitybrands.com/designselect).

\*See ordering tree for details

COMPLEMENTARY PRODUCTS

## Coordinated Apertures | Multiple Layers of Light



General Illumination Layer | EVO




High Center Beam Layer | Incito



EVO + Incito — Multiple Layers of Light

<b>Core</b>	Downlight	Adjustable	Open Wallwash	Lensed Wallwash	Cylinder	Pinhole	Bevel	Hyperbolic
<b>Healthcare</b>	MRI	Surgical Suite	Patient Room					
<b>Special Applications</b>	Dynamic	Food Service	Vandal/Tamper	Clean Room	Shower	Steam Room		

ORDERING INFORMATION

 Design Select options indicated by this color background.

Luminaire Type:   
 Catalog Number:

EXAMPLE: EV04 35/25 AR MWD LSS 120 EZ1

Series	Color Temperature	Nominal Lumen Values	Reflector & Flange Color	Trim Style	Finish	Distribution	Voltage
EV04	27/ 2700 K	02 250 lumens	AR Clear	(blank) Self-flanged	LSS Semi-specular	MD Medium (0.9 s/mh)	MVOLT
	30/ 3000 K	05 500 lumens	PR Pewter	FL Flangeless	LD Matte-diffuse	MWD Medium wide (1.0 s/mh)	120
	35/ 3500 K	07 750 lumens	WTR Wheat		LS Specular	WD Wide (1.2 s/mh)	277
	40/ 4000 K	10 1000 lumens	GR Gold				347 <sup>3,4</sup>
	50/ 5000 K	15 1500 lumens	WR <sup>1</sup> White				
		20 2000 lumens	BR <sup>1</sup> Black				
		25 2500 lumens	WRAMF <sup>1</sup> White Anti-microbial				
		30 3000 lumens	TRALTBD <sup>1,2</sup> RAL paint for pricing only				
		35 3500 lumens	TCPC <sup>1</sup> Custom paint color				
		40 4000 lumens					
	45 4500 lumens						

Driver <sup>5</sup>	Control Interface	Emergency Options	Options
GZ10 0-10V driver dims to 10%	NLT <sup>7</sup> nLight® dimming pack controls	EL <sup>11</sup> Emergency battery pack, 10W, with integral test switch	SF Single Fuse. Specify 120V or 277V
GZ1 0-10V driver dims to 1%	NLTER <sup>3,7,8</sup> nLight® dimming pack controls emergency circuit	ELR <sup>11</sup> Emergency battery pack, 10W, with remote test switch	TRW <sup>12</sup> White painted flange
EZ1 eldoLED 0-10V ECOdrive. Linear dimming to 1% min.	NLTAIR <sup>2,9,10</sup> nLight® Air enabled	ELSD <sup>11</sup> Emergency battery pack, 10W, with self-diagnostics, integral test switch	TRBL <sup>13</sup> Black painted flange
EZB eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.	NLTAIRER <sup>2,3,8,9</sup> nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit	ELRSD <sup>11</sup> Emergency battery pack, 10W, with self-diagnostics, remote test switch	FRALTBD <sup>2</sup> Flange ring only RAL color for pricing only
EDAB eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.	NLTAIREM <sup>2,3,9</sup> nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit with battery pack options.	E10WCP <sup>11</sup> Emergency battery pack, 10W Constant Power, CA Title 20 compliant with integral test switch	FCPC Flange custom paint color
EDXB eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Minimum 1000 lumens. Includes termination resistor. Refer to <a href="#">DMXR Manual</a> .		E10WCP <sup>11</sup> Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch	N80 <sup>14</sup> nLight® Lumen Compensation generator transfer device. Specify 120V or 277V
ECOD <sup>6</sup> Lutron Ecosystem digital Hi-Lume 1% soft-on, fade to black. Min: 250LLM; Max: 4000LM.		E10WCP <sup>11</sup> Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch	GTD High CRI (90+)
		BGTD Bodine generator transfer device. Specify 120V or 277V.	CP <sup>15</sup> Chicago Plenum. Specify 120V or 277V for 5000lm and above.
			RRL RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Available only with RRLA, RRLB, RRLAE, and RRLC12S. Refer to <a href="#">RRL</a> spec sheet on <a href="#">www.acuitybrands.com</a> for RELOC® product specifications. Above ceiling access required.

**ACCESSORIES — order as separate catalog numbers (shipped separately)**

SCA4	Sloped ceiling adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA4 10D. Refer to <a href="#">TECH-190</a> .
CTAEV04	4" Aperture ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 5").
CTA4-8 YK	4"-8" Aperture ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 5"). For use with CWW/DWW trims, EDXB, CP or nTune options.
ISD BC	0-10V wallbox dimmer. Refer to <a href="#">ISD-BC</a> .

**ORDERING NOTES**

- Not available with finishes.
- Replace with applicable RAL number and finish when ready to order. See [RAL BROCHURE](#) for available color options. Not available with emergency battery pack options.
- Not available with emergency battery pack options.
- Supplied with factory installed step down transformer.
- Refer to [TECH-240](#) for compatible dimmers.
- Not available with nLight®.
- Must specify voltage.
- ER for use as UL924 Emergency Operation via power sense lead. Will require an emergency hot feed and normal hot feed. EM for use as UL924 Emergency Operation via power interrupt detection.
- Not available DALI or DMX drivers. Not available with CP or N80 options. Not recommended for metal ceiling installations.
- When combined with the EZ1, EZ10, or EZB option, normal luminaires (non-emergency) can be used as a normal power sensing device for nearby nLight AIR devices and luminaires with EM emergency options.
- 11" of plenum depth or top access required for battery pack maintenance.
- For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with WR (white reflector) or FL (flangeless) option.
- For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with BR (black reflector) or FL (flangeless) option.
- Fixture begins at 80% light level. Must be specified with NLT or NLTER. Only available with EZ10 and EZ1 drivers.
- Not available with ELR, HAO, or EXAB, or any nLight® AIR dimming options.

**Optical Assembly**

Optical design is a Bounding Ray™ design with 45° cutoff to source and source image. Top-down flash characteristic for superior glare control. Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

**Electrical**

The luminaire shall operate from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. The fluctuations of line voltage shall have no visible effect on the luminous output.

The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output.

Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.

Input wires shall be 18AWG, 300V minimum, solid copper.

**Controls**

Luminaire shall be equipped with interface for nLight wired or wireless network with integral power supply as per specification.

**Dimming**

The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 10%, 100 – 1.0% or 100 – 0.1% of rated lumen output with a smooth shut off function to step to 0%.

eldoLED LED drivers shall conform to IEEE P1789 standards. Alternatively, manufacturers must demonstrate conformance with product literature and testing which demonstrates this performance. Systems that do not meet IEEE P1789 will not be considered.

Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

**Construction**

Fully serviceable and upgradeable lensed LED light engine, both the driver and light engine are suitable for field maintenance and are serviceable from above or below the ceiling.

Luminaire housing shall be constructed of 20-gauge galvanized steel and have telescopic mounting bars with maximum 26" and minimum 15" extension and 4" vertical adjustment.

Luminaires shall be suitable for installation in ceilings up to 1½" thick. (specify ceiling thickness adapter to extend frame to accommodate ceiling thickness up to 2").

Tool-less adjustments shall be possible after installation.

The assembly and manufacturing process for the luminaire shall be designed to assure all internal components are adequately supported to withstand mechanical shock and vibration.

25°C ambient temperature standard (1/2" clearance on all sides from non-combustible materials in non-IC applications, unless marked spacing noted otherwise). For use in insulated ceilings, a 3" clearance on all sides from insulation is required (unless marked spacing noted otherwise).

**Listings**

Fixtures are CSA certified to meet US and Canadian Standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling. Luminaire configurations are Energy Star certified through testing in EPA-recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit [www.energystar.gov](http://www.energystar.gov) for specific configurations listed.

**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/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

**Photometrics**

LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.

Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 60,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by a point at the intersection of the CCT line and the black body locus line in CIE chromaticity space.

**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.

**A+ Capable Luminaire**

This item is an A+ capable luminaire, which has been designed and tested to provided consistent color appearance and out-of-the-box control capability with simple commissioning when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested meet the Acuity Brands' specification for chromatic consistency - including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

Tables of Use

EVO - eldoLED Driver Default Dimming Curve			
Nomenclature	Min Dimming	Driver Dim Curve	Control Dim Curve
EZ10	10%	Linear	Linear/Logarithmic
EZ1	1%	Linear	Linear/Logarithmic
EXA1	1%	Linear	Linear/Logarithmic
EZB	<1%	Logarithmic	Linear
EDAB	<1%	Logarithmic	Linear
EDXB	<1%	Logarithmic	Linear

Control Provided (note: 347V/UVOLT versions provided with 347 option selected)						
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIR2ER	NLTAIREM2
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2
EZ10	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2
EZ1	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2
EZB	eldoLED 0-10V SOLOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2

**How to Estimate Delivered Lumens in Emergency Mode**

**Delivered Lumens = 1.25 x P x 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.

Flangeless

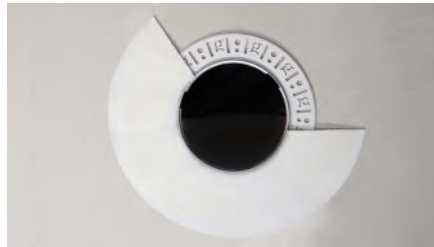
**Flangeless Installation**

Gotham's flangeless option utilizes a micro-thin polymer mud ring that minimizes the amount of drywall compound required to finish the ceiling. The end result is a virtually undetectable flangeless downlight installation.

The polymer mud ring is installed independent of the of the recessed frame, therefore floating with the ceiling. This innovation minimizes any surface cracks during reflector installation, ceiling movement and any future service to the recessed frame, wiring, electronics, etc.



Partially finished mud ring, showing cross-section detail.



An EVO downlight requires only approximately 3" of plaster to finish.



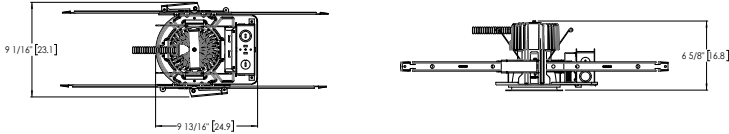
EVO with flangeless trim



DIMENSIONAL DATA

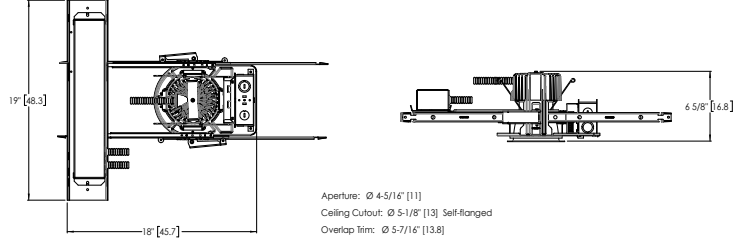
Aperture: 4-5/16" (11)      Ceiling Opening: 5-1/8" (13) self-flanged  
 Overlap trim: 5-7/16" (13.8)      5-1/4" (13.3) flangeless

**Standard**



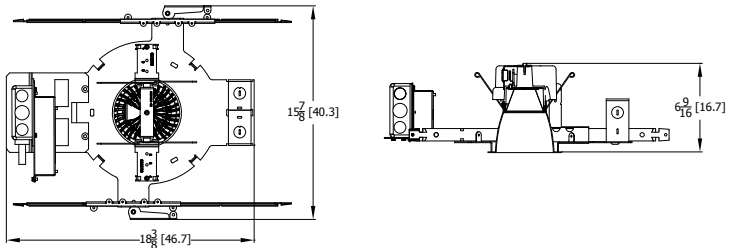
Aperture:  $\varnothing$  4-5/16" [11]  
 Ceiling Cutout:  $\varnothing$  5-1/8" [13] Self-flanged  
 Overlap Trim:  $\varnothing$  5-7/16" [13.8]  
 Ceiling Cutout:  $\varnothing$  5-1/4" [13.3] Flangeless

**Battery Pack**

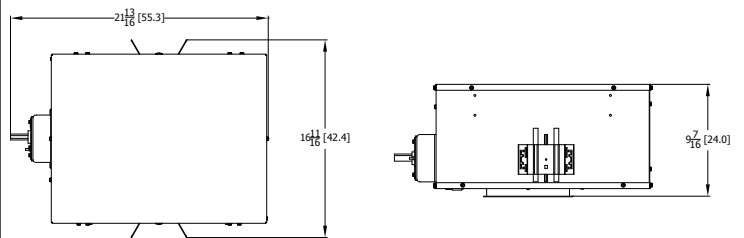


Aperture:  $\varnothing$  4-5/16" [11]  
 Ceiling Cutout:  $\varnothing$  5-1/8" [13] Self-flanged  
 Overlap Trim:  $\varnothing$  5-7/16" [13.8]  
 Ceiling Cutout:  $\varnothing$  5-1/4" [13.3] Flangeless

**CP Standard**

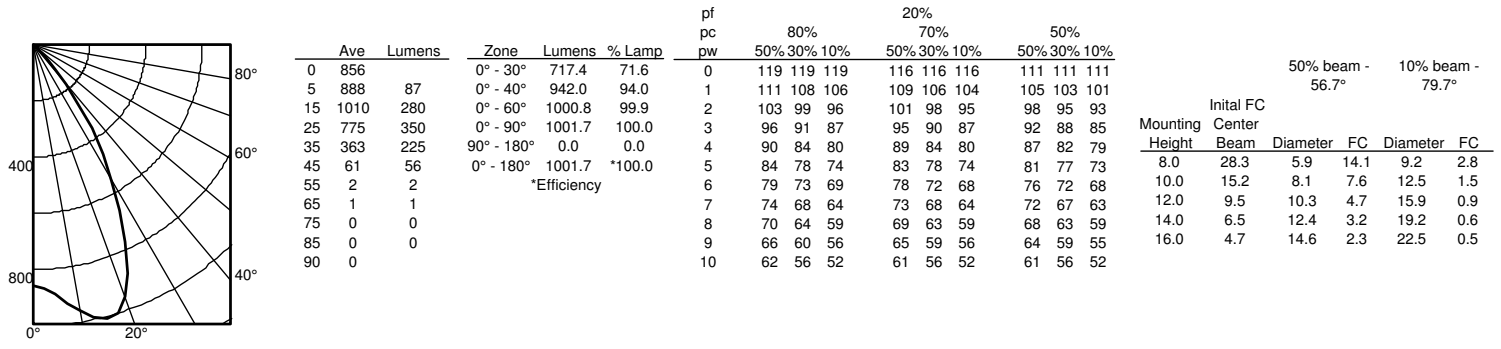


**CP Enclosed For Use With Battery Pack & nLight**

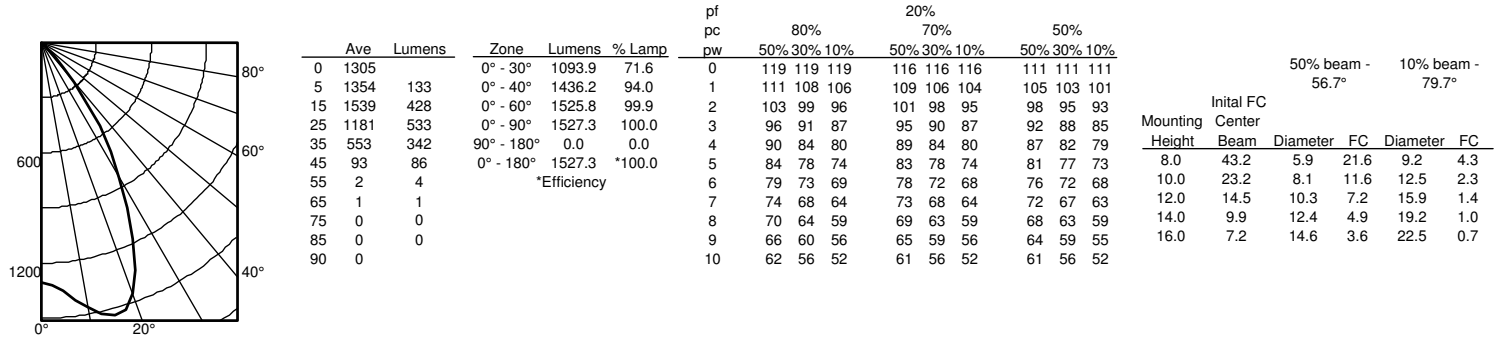


**EV04 35/10 MWD LS INPUT WATTS: 8.8W, DELIVERED LUMENS: 1001.7LM, LPW = 113.8, 1.08 S/MH, TEST NO. LTL27786P131**

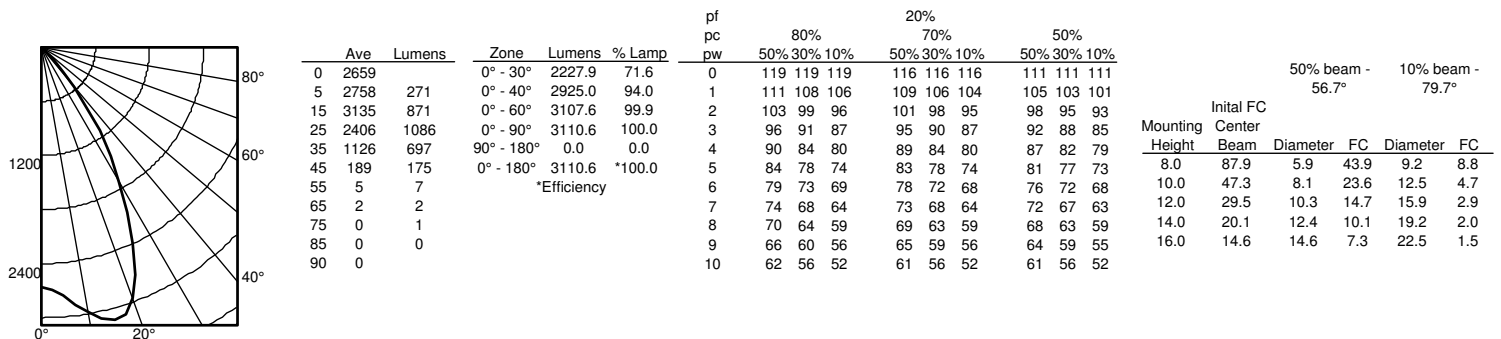
Photometry



**EV04 35/15 MWD LSS INPUT WATTS: 13.7W, DELIVERED LUMENS: 1527.3LM, LPW = 111.4, 1.08 S/MH, TEST NO. LTL27786P137**



**EV04 35/30 MWD LSS INPUT WATTS: 31.2W, DELIVERED LUMENS: 3110.6LM, LPW = 99.6, 1.08 S/MH, TEST NO. LTL27786P155**



CRI	CCT	Multiplier
80	2700K	0.96
	3000K	1.00
	3500K	1.00
	4000K	1.01
	5000K	1.07
90	2700K	0.80
	3000K	0.83
	3500K	0.85
	4000K	0.87
	5000K	0.91

Reflector Finish	Multiplier
LS - Specular	1
LSS - Semi Specular	0.956
WR - White	0.87
LD - Matte Diffuse	0.85
BR - Black	0.73

Distribution	Beam
MD	51
MWD	57
WD	73

NLIGHT AIR

nLight<sup>®</sup> AIR is the ideal solution for retrofit or new construction spaces where adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

**nLight<sup>®</sup> AIR Control Accessories**

Order as separate catalog number. Visit [nLight AIR](#).

Wall Switches	Model Number
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

**nLight<sup>®</sup> AIR Control Accessories (cont.)**

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

**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<sup>™</sup> 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<sup>®</sup> The nLight<sup>®</sup> solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

**nLight<sup>®</sup> Wired Control Accessories**

Order as separate catalog number. Visit [nLight](#).

Wall Switches	Model Number
On/Off single pole	nPODM (color)
On/Off two pole	nPODM 2P (color)
On/Off & raise/lower single pole	nPOD DX (color)
On/Off & raise/lower two pole	nPODM 2P DX (color)
Graphic touchscreen	nPOD GFX (color)

Photocell Controls	Model Number
Dimming	nCM ADCX

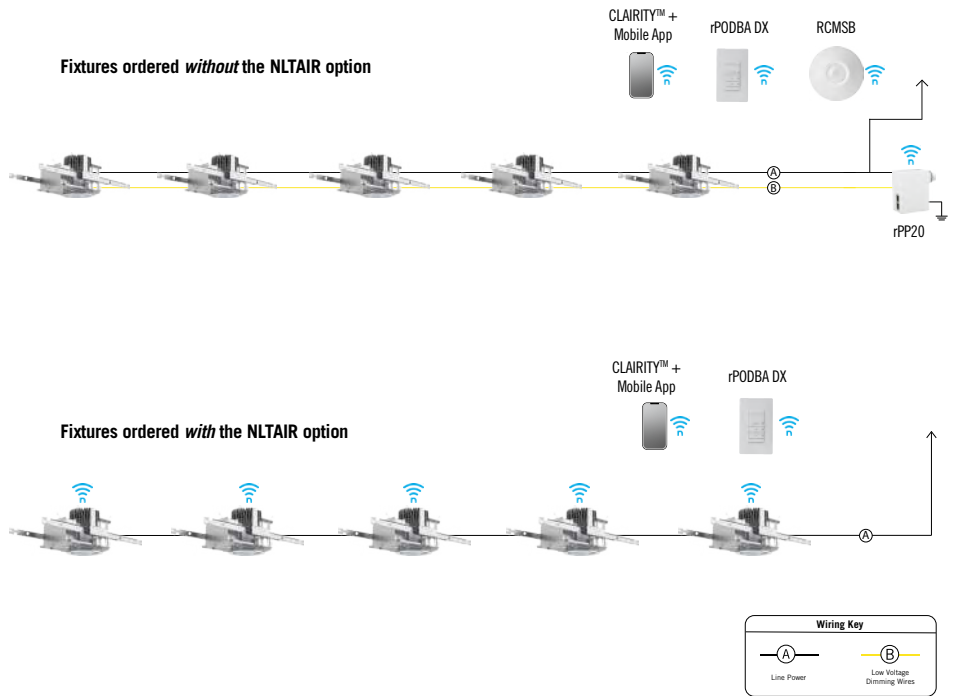
**nLight<sup>®</sup> Wired Control Accessories (cont.)**

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX

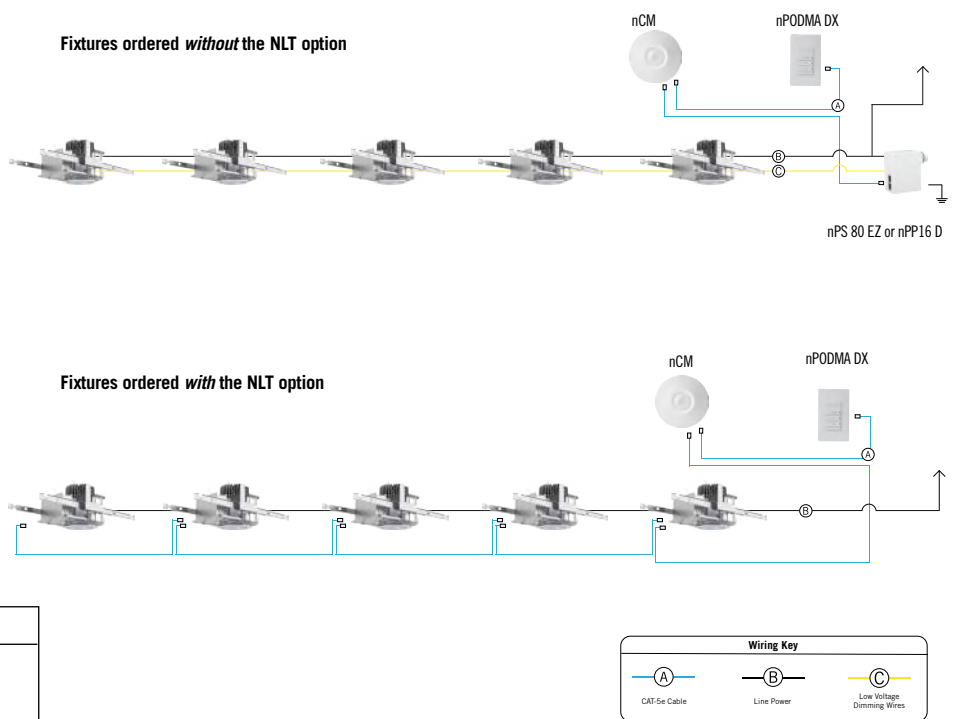
Cat-5 Cables (plenum rated)	Model Number
10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1

**Possibilities for nLight<sup>®</sup> AIR**



NLIGHT

**Possibilities for nLight<sup>®</sup> wired**



VESTA  
AT7928

WALL

PROJECT



DESCRIPTION

Timeless simplicity with versatile purpose is offered with this wall sconce that measures 28 inches in length. Vesta mounts horizontally or vertically from a matching aluminum square affixed in the middle of the rectangular beam of formed aluminum. The concealed LEDs illuminate the mounting plane creating pool of light on the wall. Vesta is available in three different finishes: black or white powder coating and brushed nickel.



AT7928-BN  
Brushed Nickel



AT7928-BK  
Black

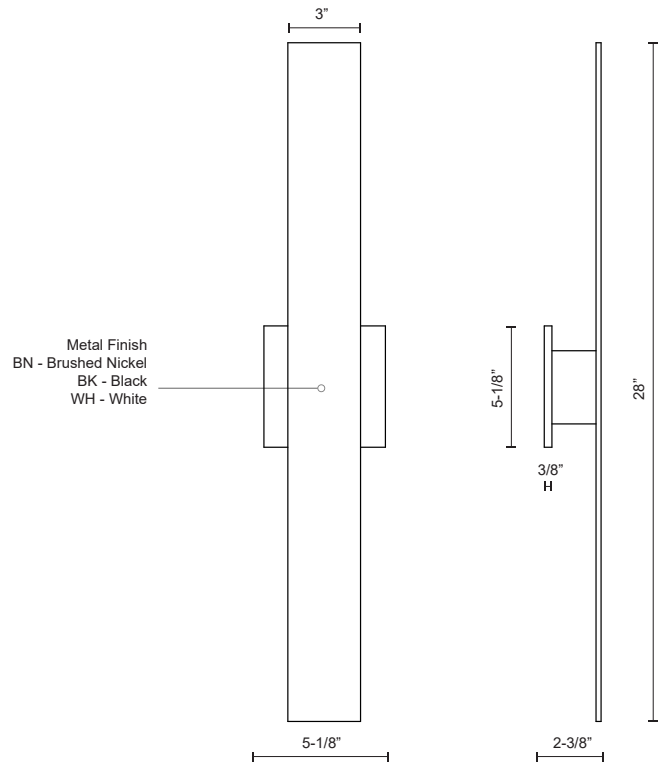


AT7928-WH  
White

SPECIFICATION DETAILS

\* For custom options, consult factory for details.

<b>Fixture Dimensions</b>	W3" x H28" x E2-3/8"
<b>Light Source</b>	AC LED Module
<b>Wattage</b>	31W
<b>Total Lumens</b>	2400lm
<b>Delivered Lumens</b>	BK-1566lm; BN-1575lm; WH-1725lm;
<b>Voltage</b>	120V
<b>Color Temperature</b>	3000K
<b>CRI (Ra)</b>	90CRI
<b>Optional Color Temps</b>	2700K - 5000K Available, Minimum Order Quantities Apply
<b>LED Rated Life</b>	50,000 hours
<b>Dimming</b>	100% - 10%, ELV Dimmer (Not Included)
<b>Glass Details</b>	Frosted Glass
<b>ADA Compliant</b>	Yes
<b>Location</b>	Wet
<b>Compliance</b>	ADA
<b>Warranty</b>	5 Years
<b>Illumination Direction</b>	Backlit
<b>Mounting Style</b>	All Orientation; Wall;
<b>Canopy Dimensions</b>	W5-1/8" x H5-1/8" x E3/8"



KUZCO

19054 28TH AVENUE  
SURREY - BC V3Z 6M3  
CANADA

WWW.KUZCOLIGHTING.COM

COMMENT





## Features

Kurba Large Horizontal with Black Lens is a sleek, direct view, all black profile and lens that keeps the strip concealed in the off-state. Suitable for wet locations and capable of horizontal/side bends up to 2.5" radius. Built with robust factory made power feeds or joiners, Kurba Large Horizontal with Black Lens mounts to a specifically designed aluminum extruded channel.

### Applications

Outdoor wet location

### Operating Voltage

24VDC

### Operating Temperature

-4°F to 113°F (-20°C to 45°C)

### Average Life

50,000 hours

### Dimming

Low voltage dimmer and class 2 dimming power supply required

### Approvals

Class 2 wet listed, IP67

### Warranty

3 years



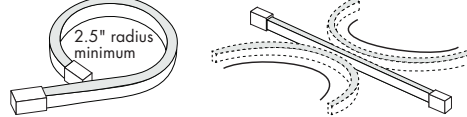
## Technical Information

Model	KBL-F-H-BL	CCT INFO / LUMEN MULTIPLIER	
		Color Temperature	Multiplier (ref. -3000K)
LEDs/ft	38	2200K	0.98
Light Output at 3000K	21 lm/ft	2400K	1.00
Average Power Consumption at 4'	3.7 W/ft	2700K	1.03
Ordering Increment	2.19"	3000K	1.00
Maximum Run Length (In Series)	25 ft	3500K	1.08
		4000K	1.10

## Constraints

### Bend Direction

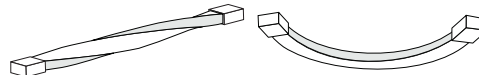
Bend LED in these positions only to avoid damage



Illuminated surface shown in gray

### Prohibited Bends

Twisting or bending LED in these positions will cause damage

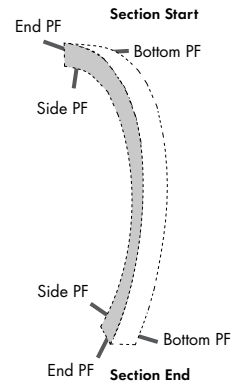


Illuminated surface shown in gray

Note: for horizontal bends refer to Luminii KBM series

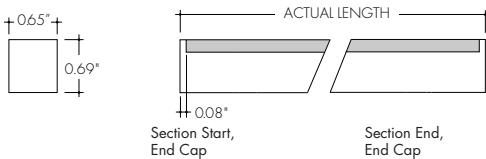
Do not make sharp bends near the endcap

## Power Feed Locations

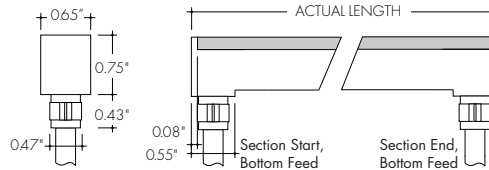


## Section Start/End Power Feed Options

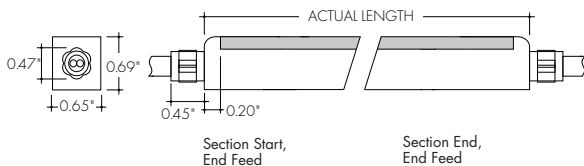
### Injection Molded End Cap (IEC)



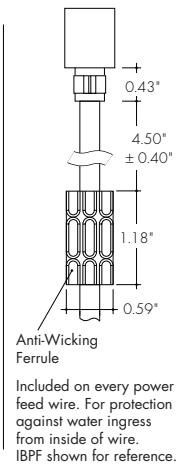
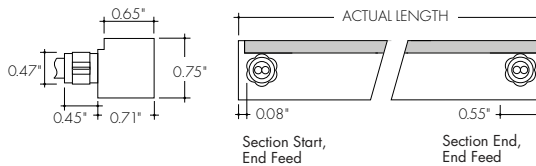
### Injection Molded Bottom Power Feed (IBPF)



### Injection Molded End Power Feed (IEPF)



### Injection Molded Side Power Feed (ISPF)



## Ordering Code

MODEL	CCT	SECTION START	SECTION END	ACTUAL LENGTH
KBL-FH-BL - Kurba Large, Flat, Horizontal/Side Bend, Black Lens	22K - 2200K 24K - 2400K 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	IEPF - Injection Molded End power feed (9' wire lead) IBPF - Injection Molded Bottom power feed (9' wire lead) ISPF - Injection Molded Side power feed (9' wire lead) <sup>1, 2</sup> IEC - Injection Molded End cap <sup>1</sup>	IEPF - Injection Molded End power feed (9' wire lead) IBPF - Injection Molded Bottom power feed (9' wire lead) ISPF - Injection Molded Side power feed (9' wire lead) <sup>1, 2</sup> IEC - Injection Molded End cap <sup>1</sup>	See Power Consumption table on page 3 for available lengths

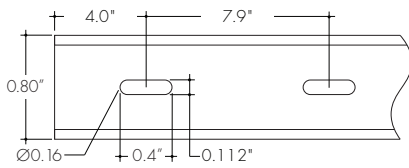
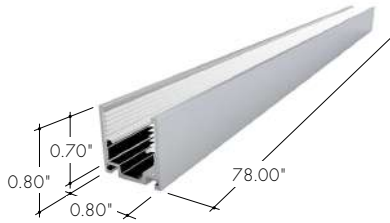
<sup>1</sup> - 6-8 weeks lead time. Kurba injected-molded orders are non-cancellable. IEPF, IBPF, ISPF cannot be mixed and matched from Start to End except with IEC.

<sup>2</sup> - ISPF Side power feeds selected for both Section Start and End will be located on the same side of the strip.

**Mounting Accessories & Optional Connectors**

**MC-NFS-KBL-F-V-78**

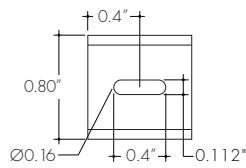
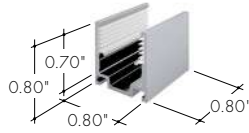
Mounting Channel with Grip, 78"



Aluminum mounting channel providing grip. For use with light strip mounted to the ceiling.

**MB-KBL-F-V-ST**

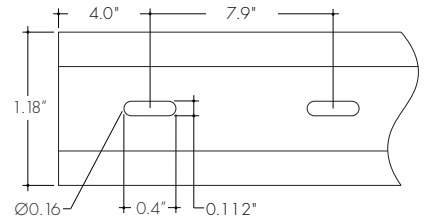
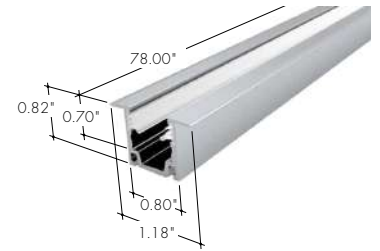
Mounting Bracket with Grip



Aluminum mounting bracket providing grip. For use with light strip mounted to the ceiling. 1 recommended every 8 in.

**MC-FS-KBL-F-V-78**

Flanged Mounting Channel with grip, 78"



Flanged aluminum mounting channel providing grip. For use with light strip mounted to the ceiling.

**MC-BNS-KBL-F-V-34**

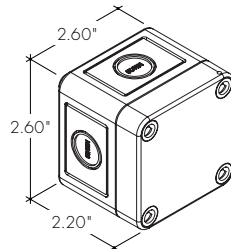
Bendable Mounting Channel with grip, 34"



Bendable stainless steel mounting channel providing grip. For use with light strip mounted to the ceiling.

**LVSP-WET**

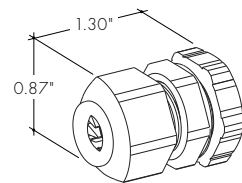
Splice Box



Wet rated, low voltage splice box, gray.

**LVSP-WET-CM**

Connector



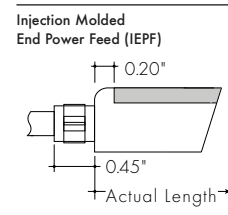
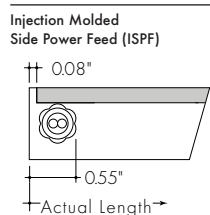
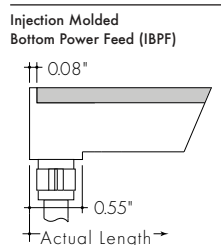
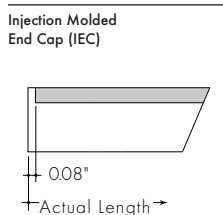
Low voltage splice box wet cable management, gray.



## Power Consumption Per Fixture Length

Based on operation with PDCU series of power supplies. Use Acutal Length for Order Code Entry  
 Tolerance for Actual Lengths less than 6 ft is +/- 0.2", Actual Lengths between 6 ft and 16 ft is +/- 0.3", and Actual Lengths greater than 16 ft is +/- 0.6"

Nominal Length (in)	Actual Length (in)				Nominal Length (in)	Actual Length (in)				Nominal Length (in)	Actual Length (in)				Nominal Length (in)	Actual Length (in)			
	W	IEPF IEPF	IEC IEPF	IEC IBPF ISPF		W	IEPF IEPF	IEC IEPF	IEC IBPF ISPF		W	IEPF IEPF	IEC IEPF	IEC IBPF ISPF		W	IEPF IEPF	IEC IEPF	IEC IBPF ISPF
3	-	-	-	-	80	24.1	<b>79.1</b>	<b>79</b>	<b>78.9</b>	(13 ft) 156	47.5	<b>155.7</b>	<b>155.6</b>	<b>155.5</b>	233	70.8	<b>232.3</b>	<b>232.1</b>	<b>232</b>
5	-	-	-	-	81	24.8	<b>81.3</b>	<b>81.2</b>	<b>81.1</b>	158	48.1	<b>157.9</b>	<b>157.8</b>	<b>157.7</b>	235	71.5	<b>234.5</b>	<b>234.3</b>	<b>234.2</b>
7	2.1	<b>7</b>	<b>6.8</b>	<b>6.7</b>	(7 ft) 84	25.5	<b>83.5</b>	<b>83.4</b>	<b>83.3</b>	160	48.8	<b>160.1</b>	<b>160</b>	<b>159.8</b>	237	72.1	<b>236.6</b>	<b>236.5</b>	<b>236.4</b>
9	2.8	<b>9.1</b>	<b>9</b>	<b>8.9</b>	86	26.1	<b>85.7</b>	<b>85.6</b>	<b>85.5</b>	162	49.5	<b>162.3</b>	<b>162.1</b>	<b>162</b>	(20 ft) 239	72.8	<b>238.8</b>	<b>238.7</b>	<b>238.6</b>
(1 ft) 11	3.5	<b>11.3</b>	<b>11.2</b>	<b>11.1</b>	88	26.8	<b>87.9</b>	<b>87.8</b>	<b>87.7</b>	165	50.1	<b>164.5</b>	<b>164.3</b>	<b>164.2</b>	241	73.5	<b>241</b>	<b>240.9</b>	<b>240.8</b>
14	4.1	<b>13.5</b>	<b>13.4</b>	<b>13.3</b>	90	27.5	<b>90.1</b>	<b>90</b>	<b>89.8</b>	167	50.8	<b>166.6</b>	<b>166.5</b>	<b>166.4</b>	243	74.1	<b>243.2</b>	<b>243.1</b>	<b>243</b>
16	4.8	<b>15.7</b>	<b>15.6</b>	<b>15.5</b>	92	28.1	<b>92.3</b>	<b>92.2</b>	<b>92</b>	(14 ft) 169	51.5	<b>168.8</b>	<b>168.7</b>	<b>168.6</b>	246	74.8	<b>245.4</b>	<b>245.3</b>	<b>245.1</b>
18	5.5	<b>17.9</b>	<b>17.8</b>	<b>17.7</b>	95	28.8	<b>94.5</b>	<b>94.3</b>	<b>94.2</b>	171	52.1	<b>171</b>	<b>170.9</b>	<b>170.8</b>	248	75.5	<b>247.6</b>	<b>247.5</b>	<b>247.3</b>
20	6.1	<b>20.1</b>	<b>20</b>	<b>19.8</b>	(8 ft) 97	29.5	<b>96.6</b>	<b>96.5</b>	<b>96.4</b>	173	52.8	<b>173.2</b>	<b>173.1</b>	<b>173</b>	250	76.1	<b>249.8</b>	<b>249.6</b>	<b>249.5</b>
22	6.8	<b>22.3</b>	<b>22.2</b>	<b>22</b>	99	30.1	<b>98.8</b>	<b>98.7</b>	<b>98.6</b>	176	53.5	<b>175.4</b>	<b>175.3</b>	<b>175.2</b>	(21 ft) 252	76.8	<b>252</b>	<b>251.8</b>	<b>251.7</b>
(2 ft) 24	7.5	<b>24.5</b>	<b>24.3</b>	<b>24.2</b>	101	30.8	<b>101</b>	<b>100.9</b>	<b>100.8</b>	178	54.1	<b>177.6</b>	<b>177.5</b>	<b>177.3</b>	254	77.5	<b>254.1</b>	<b>254</b>	<b>253.9</b>
27	8.1	<b>26.6</b>	<b>26.5</b>	<b>26.4</b>	103	31.5	<b>103.2</b>	<b>103.1</b>	<b>103</b>	(15 ft) 180	54.8	<b>179.8</b>	<b>179.6</b>	<b>179.5</b>	257	78.1	<b>256.3</b>	<b>256.2</b>	<b>256.1</b>
29	8.8	<b>28.8</b>	<b>28.7</b>	<b>28.6</b>	106	32.1	<b>105.4</b>	<b>105.3</b>	<b>105.2</b>	182	55.5	<b>182</b>	<b>181.8</b>	<b>181.7</b>	259	78.8	<b>258.5</b>	<b>258.4</b>	<b>258.3</b>
31	9.5	<b>31</b>	<b>30.9</b>	<b>30.8</b>	(9 ft) 108	32.8	<b>107.6</b>	<b>107.5</b>	<b>107.3</b>	184	56.1	<b>184.1</b>	<b>184</b>	<b>183.9</b>	261	79.5	<b>260.7</b>	<b>260.6</b>	<b>260.5</b>
33	10.1	<b>33.2</b>	<b>33.1</b>	<b>33</b>	110	33.5	<b>109.8</b>	<b>109.7</b>	<b>109.5</b>	187	56.8	<b>186.3</b>	<b>186.2</b>	<b>186.1</b>	(22 ft) 263	80.1	<b>262.9</b>	<b>262.8</b>	<b>262.6</b>
(3 ft) 35	10.8	<b>35.4</b>	<b>35.3</b>	<b>35.2</b>	112	34.1	<b>112</b>	<b>111.8</b>	<b>111.7</b>	189	57.5	<b>188.5</b>	<b>188.4</b>	<b>188.3</b>	265	80.8	<b>265.1</b>	<b>265</b>	<b>264.8</b>
38	11.5	<b>37.6</b>	<b>37.5</b>	<b>37.3</b>	114	34.8	<b>114.1</b>	<b>114</b>	<b>113.9</b>	(16 ft) 191	58.1	<b>190.7</b>	<b>190.6</b>	<b>190.5</b>	268	81.5	<b>267.3</b>	<b>267.1</b>	<b>267</b>
40	12.1	<b>39.8</b>	<b>39.7</b>	<b>39.5</b>	116	35.5	<b>116.3</b>	<b>116.2</b>	<b>116.1</b>	193	58.8	<b>192.9</b>	<b>192.8</b>	<b>192.7</b>	270	82.1	<b>269.5</b>	<b>269.3</b>	<b>269.2</b>
42	12.8	<b>42</b>	<b>41.8</b>	<b>41.7</b>	119	36.1	<b>118.5</b>	<b>118.4</b>	<b>118.3</b>	195	59.5	<b>195.1</b>	<b>195</b>	<b>194.8</b>	272	82.8	<b>271.6</b>	<b>271.5</b>	<b>271.4</b>
44	13.5	<b>44.1</b>	<b>44</b>	<b>43.9</b>	(10 ft) 121	36.8	<b>120.7</b>	<b>120.6</b>	<b>120.5</b>	198	60.1	<b>197.3</b>	<b>197.1</b>	<b>197</b>	274	83.5	<b>273.8</b>	<b>273.7</b>	<b>273.6</b>
46	14.1	<b>46.3</b>	<b>46.2</b>	<b>46.1</b>	123	37.5	<b>122.9</b>	<b>122.8</b>	<b>122.7</b>	200	60.8	<b>199.5</b>	<b>199.3</b>	<b>199.2</b>	(23 ft) 276	84.2	<b>276</b>	<b>275.9</b>	<b>275.8</b>
(4 ft) 49	14.8	<b>48.5</b>	<b>48.4</b>	<b>48.3</b>	125	38.1	<b>125.1</b>	<b>125</b>	<b>124.8</b>	202	61.5	<b>201.6</b>	<b>201.5</b>	<b>201.4</b>	279	84.8	<b>278.2</b>	<b>278.1</b>	<b>278</b>
51	15.5	<b>50.7</b>	<b>50.6</b>	<b>50.5</b>	127	38.8	<b>127.3</b>	<b>127.1</b>	<b>127</b>	(17 ft) 204	62.1	<b>203.8</b>	<b>203.7</b>	<b>203.6</b>	281	85.5	<b>280.4</b>	<b>280.3</b>	<b>280.1</b>
53	16.1	<b>52.9</b>	<b>52.8</b>	<b>52.7</b>	130	39.5	<b>129.5</b>	<b>129.3</b>	<b>129.2</b>	206	62.8	<b>206</b>	<b>205.9</b>	<b>205.8</b>	283	86.2	<b>282.6</b>	<b>282.5</b>	<b>282.3</b>
55	16.8	<b>55.1</b>	<b>55</b>	<b>54.8</b>	(11 ft) 132	40.1	<b>131.6</b>	<b>131.5</b>	<b>131.4</b>	208	63.5	<b>208.2</b>	<b>208.1</b>	<b>208</b>	285	86.8	<b>284.8</b>	<b>284.6</b>	<b>284.5</b>
57	17.5	<b>57.3</b>	<b>57.2</b>	<b>57</b>	134	40.8	<b>133.8</b>	<b>133.7</b>	<b>133.6</b>	211	64.1	<b>210.4</b>	<b>210.3</b>	<b>210.2</b>	(24 ft) 287	87.5	<b>286.9</b>	<b>286.8</b>	<b>286.7</b>
(5 ft) 60	18.1	<b>59.5</b>	<b>59.3</b>	<b>59.2</b>	136	41.5	<b>136</b>	<b>135.9</b>	<b>135.8</b>	213	64.8	<b>212.6</b>	<b>212.5</b>	<b>212.3</b>	289	88.2	<b>289.1</b>	<b>289</b>	<b>288.9</b>
62	18.8	<b>61.6</b>	<b>61.5</b>	<b>61.4</b>	138	42.1	<b>138.2</b>	<b>138.1</b>	<b>138</b>	(18 ft) 215	65.5	<b>214.8</b>	<b>214.6</b>	<b>214.5</b>	292	88.8	<b>291.3</b>	<b>291.2</b>	<b>291.1</b>
64	19.5	<b>63.8</b>	<b>63.7</b>	<b>63.6</b>	141	42.8	<b>140.4</b>	<b>140.3</b>	<b>140.2</b>	217	66.1	<b>217</b>	<b>216.8</b>	<b>216.7</b>	294	89.5	<b>293.5</b>	<b>293.4</b>	<b>293.3</b>
66	20.1	<b>66</b>	<b>65.9</b>	<b>65.8</b>	143	43.5	<b>142.6</b>	<b>142.5</b>	<b>142.3</b>	219	66.8	<b>219.1</b>	<b>219</b>	<b>218.9</b>	296	90.2	<b>295.7</b>	<b>295.6</b>	<b>295.5</b>
68	20.8	<b>68.2</b>	<b>68.1</b>	<b>68</b>	(12 ft) 145	44.1	<b>144.8</b>	<b>144.6</b>	<b>144.5</b>	222	67.5	<b>221.3</b>	<b>221.2</b>	<b>221.1</b>	298	90.8	<b>297.9</b>	<b>297.8</b>	<b>297.6</b>
70	21.5	<b>70.4</b>	<b>70.3</b>	<b>70.2</b>	147	44.8	<b>147</b>	<b>146.8</b>	<b>146.7</b>	224	68.1	<b>223.5</b>	<b>223.4</b>	<b>223.3</b>	(25 ft) 300	91.5	<b>300.1</b>	<b>300</b>	<b>299.8</b>
(6 ft) 73	22.1	<b>72.6</b>	<b>72.5</b>	<b>72.3</b>	149	45.5	<b>149.1</b>	<b>149</b>	<b>148.9</b>	226	68.8	<b>225.7</b>	<b>225.6</b>	<b>225.5</b>	Note: all values are rounded to the nearest 0.1 inch				
75	22.8	<b>74.8</b>	<b>74.7</b>	<b>74.5</b>	152	46.1	<b>151.3</b>	<b>151.2</b>	<b>151.1</b>	(19 ft) 228	69.5	<b>227.9</b>	<b>227.8</b>	<b>227.6</b>					
77	23.5	<b>77</b>	<b>76.8</b>	<b>76.7</b>	154	46.8	<b>153.5</b>	<b>153.4</b>	<b>153.3</b>	230	70.1	<b>230.1</b>	<b>230</b>	<b>229.8</b>					

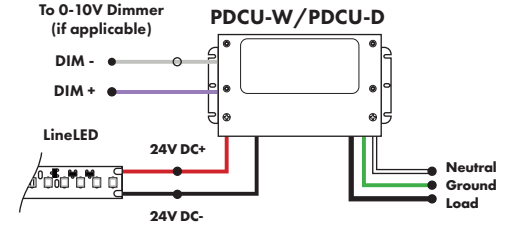


## Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

### Universal Power Supply 1% 120VAC - 277VAC

MODEL	POWER	OUTPUT
PDCU-D - IP20 Dry Series	30 - 30 W 60 - 60 W 96 - 96 W 3X96 - 3X96 W	24 - 24 VDC
PDCU-W - IP66 Wet Series	96 - 96 W 3X96 - 3X96 W	

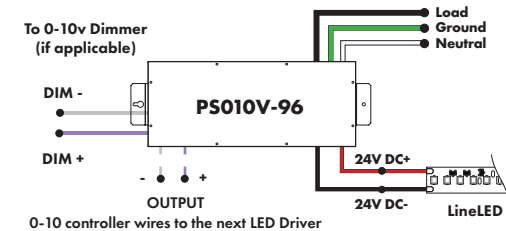


0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%.  
For a complete list of compatible dimmers, see [Compatible Dimming Chart](#) on the Resources page.

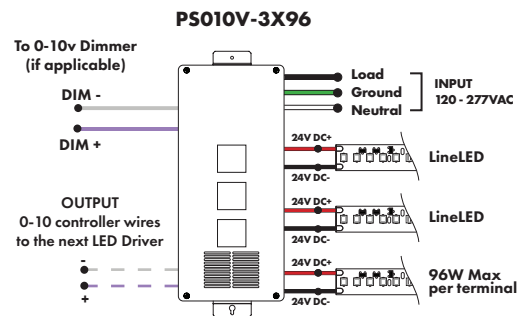
MODELS	PDCU-W 96W	PDCU-W 3X96W	PDCU-D 30W	PDCU-D 60W	PDCU-D 96W	PDCU-D 3X96W
<b>Length</b>	8.66"	11.85"	6.10"	7.93"	8.25"	9.57"
<b>Width</b>	3.73"	4.32"	3.35"	3.35"	4.10"	5.94"
<b>Depth</b>	1.61"	1.81"	1.33"	1.32"	1.56"	1.13"

### 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING
PS010V - 0-10V Power Supply dims down to 0.1%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC	LIN - Linear LOG - Logarithmic



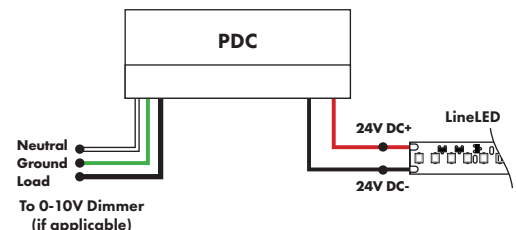
MODELS	96W	3X96
<b>Length</b>	14.40"	15.75"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.95"



### Triac, MLV, ELV, & PWM Compatible Dimmers

MODEL	POWER	OUTPUT
PDC - (IP20) Power Supply	96 - 96 Watts	24 - 24 VDC

MODELS	96W
<b>Length</b>	8.25"
<b>Width</b>	4.10"
<b>Depth</b>	1.56"



## Power Supplies

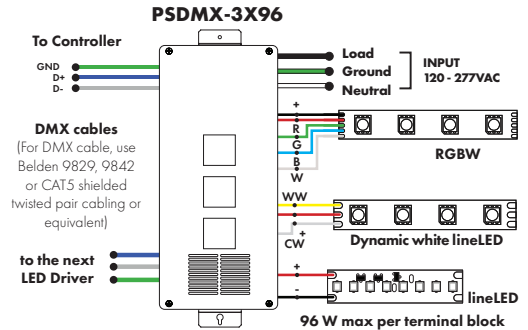
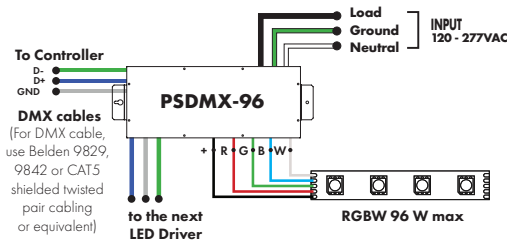
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

### DMX Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDMX - DMX Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

MODELS	96W	3X96
<b>Length</b>	14.40"	15.75"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.95"

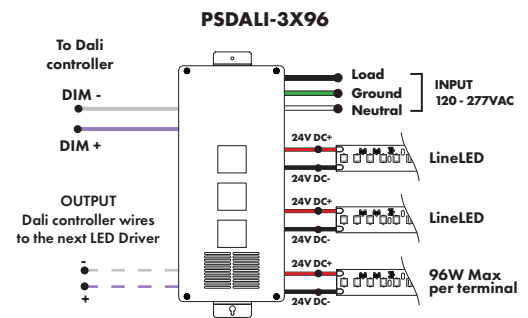
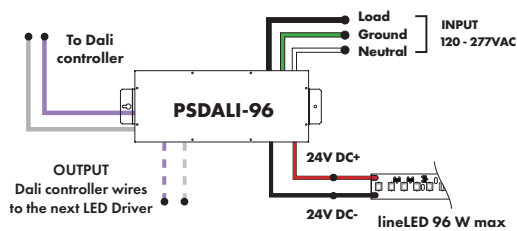


### DALI 0% Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDALI - DALI Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

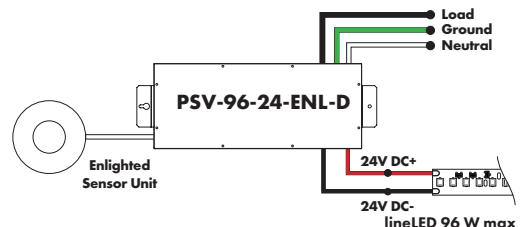
Model	96W	3X96
<b>Length</b>	14.40"	15.75"
<b>Width</b>	5.20"	6.62"
<b>Depth</b>	2.60"	4.95"



### Enlighted Enabled Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	ENL - Enlighted Dimming dims down to 0%	D - Damp

Model	96W
<b>Length</b>	14.40"
<b>Width</b>	5.20"
<b>Depth</b>	2.60"



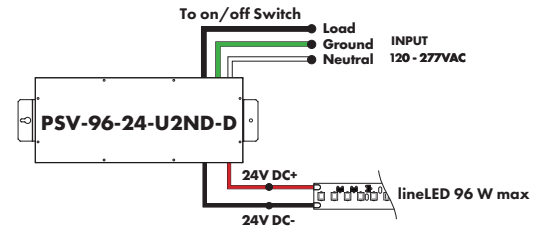
## Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

### Non-Dimming Power Supply 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	U2ND - Non Dimming	D - Damp

MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

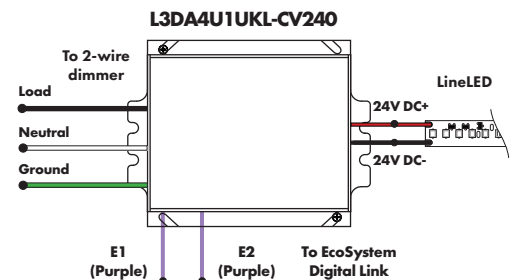
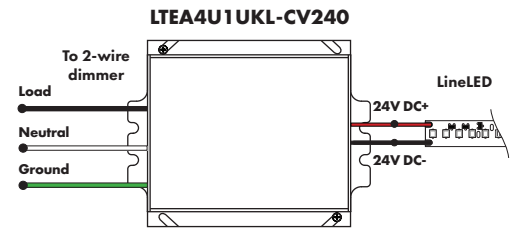


Luminii is a Lutron OEM Advantage Partner

### Lutron Power Supplies 1%

MODEL	MODEL
<b>LTEA4U1UKL-CV240</b>	<b>L3DA4U1UKL-CV240</b>
Lutron - HiLume™ 1% 2-wire LED Driver 40W max	HiLume™ 1% EcoSystem Voltage LED driver 40W max
(120V forward phase only)	

MODELS	LTEA4U1UKL-CV240	L3DA4U1UKL-CV240
Length	4.89"	4.98"
Width	4.00"	4.00"
Depth	2.62"	2.62"

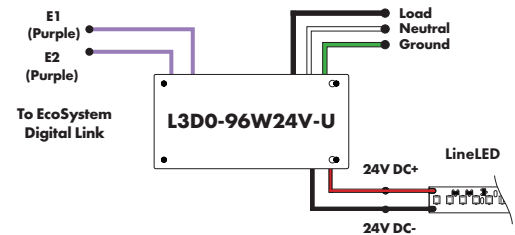


Luminii is a Lutron OEM Advantage Partner

### Lutron Power Supplies 0.1%

MODEL
<b>L3D0-96W24V-U</b>
HiLume™ 0.1% EcoSystem Voltage LED Driver with Soft-On, Fade-to-Black™ 96W max

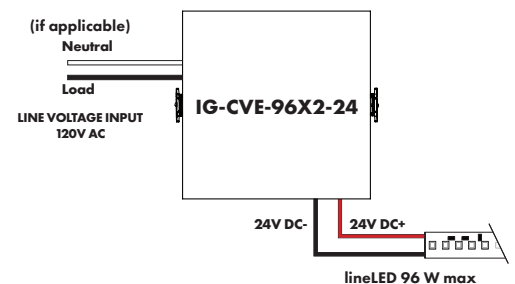
MODELS	L3D0
Length	10.50"
Width	5.50"
Depth	2.00"



### In-Ground Power Supplies

MODEL	POWER	OUTPUT	INPUT
IG - In ground CVE Series	CVE - ELV Dimming DALI - eldoLED Dali dimming Both dims down to 0%	96X2 - 2 X 96 Watt	24 - 24 VDC
			Blank - 120 V 277 - 240/277 V

MODELS	Dual Circuit
Length	8.40"
Width	8.30"
Depth	8.10"



**SKILL**

SURFACE MOUNTED - FLUSH MOUNTED

Type:


SPECIFICATION SHEET

Project :

Page: 1 of 8



Skill is a unique LED luminaire, assuring high lighting performance and total absence of glare. The most modern electronic technology is contained in the thickness of only 3 cm and provides an excellent quality of light while saving energy.

<b>Luminaire characteristics:</b>	<b>Power input:</b> 4.7W to 23.8W (system wattage) <b>Lumens:</b> 157lm to 785lm (for 3000K, 90CRI) <b>Luminaire efficacy:</b> Up to 35lm/W
<b>Source:</b>	LED Module (LM-80 tested) 2700K: 90CRI, 3000K: 90CRI, 4000K: 90CRI.
<b>Lumen maintenance:</b>	80% of initial lumens at 70 000 hours(L80)(LM-79)
<b>Optics:</b>	Accent light.
<b>Material:</b>	Body: Die-cast aluminum Diffuser: Toughened glass.
<b>Mounting:</b>	See mounting options on page 4.
<b>Electrical:</b>	High efficiency electronic power supply, rated at 50 000 hours, 120-277V. See remote LED Driver options on page 3.
<b>Dimming</b>	0-10V down to 15% (120-277V), see page 3 for available remote options.
<b>Finish:</b>	White or aluminum gray painted finish, following a double powder paint in 3 step process: surface treatment containing ceramic nano particles (Bonderite). Epoxy primer paint. Polyester powder paint with high resistance against UV rays and harsh weather conditions.
<b>Weight:</b>	Miniskill vertical: 1.16lb (0.53kg) Miniskill square: 1.34lb (0.61kg) Miniskill round: 1.23lb (0.56kg) Skill square: 3.26lb (1.48kg) Skill square large: 6.55lb (2.97kg) Skill round: 3.06lb (1.39kg) Skill rectangular: 3.15lb (1.43kg)
<b>Warranty:</b>	5 year limited warranty.
<b>Ratings:</b>	IP65, IK08
<b>Certification:</b>	 cULus listed for wet location

**SKILL**

SURFACE MOUNTED - FLUSH MOUNTED

Type:

SPECIFICATION SHEET

Project :

Page: 2 of 8

**ORDERING INFO**- - - -  
FIXTURE

BACK BOX

**MODEL**

- S6230** - Miniskill vertical     
  **S6260** - Skill square     
  **S6240** - Skill rectangular  
 **S6250** - Miniskill square     
  **S6255** - Skill square large <sup>(1)</sup>  
 **S6270** - Miniskill round     
  **S6280** - Skill round

**LED**

- H** - 2700K, 90CRI     
  **W** - 3000K, 90CRI     
  **N** - 4000K, 90CRI

**MOUNTING <sup>(2)</sup>**

- DF** - Surface mounted with direct feed     
  **JB** - Surface mounted junction box     
  **FM** - Recessed mounted flush with surface     
  **J2** - Surface mounted single gang box  
 **FW** - Surface mounted with fixture whip

**VOLTAGE**

- UNV** - 120-277V     
  **REM** - Remote

**FINISH**

- 01** - White     
  **14** - Aluminum

**DIMMING**

- D10** - 0-10V <sup>(3)</sup> <sup>(4)</sup>

<sup>(1)</sup> Available with surface mounted junction box (**JB**) mounting and 120-277V (**UNV**) voltage.

<sup>(2)</sup> See previous page 4-5 for model availability.

<sup>(3)</sup> Available with **6250**, **6260**, **6270**, **6280**, **6255** models.

<sup>(4)</sup> Available with 120-277V (**UNV**) voltage.



**SKILL**

SURFACE MOUNTED - FLUSH MOUNTED

Type:

SPECIFICATION SHEET

Project :

Page: 3 of 8

**REMOTE POWER SUPPLY OPTIONS**  
(TO BE ORDERED SEPARATELY)

							Miniskill S6230 / 50 / 70	Skill S6260 / 80	Skill Rectangular S6240
							5.2W*	11W*	12W*
Watts	Voltage	Rated	Dimming protocol	Dimming range	Dimension	Max distance**	Min-Max Units		
<input type="checkbox"/> <b>4444-0024-020-120-ND</b>									
20	120V	Indoor	None	None	6" x 4" x 3" (152 x 102 x 76mm)	30ft(9m)	1-3	1	1
<input type="checkbox"/> <b>4448-0024-060-UNV-ND</b>									
60	120-277V	Indoor	None	None	10" x 8" x 4" (254 x 203 x 102mm)	30ft(9m)	1-11	1-5	1-5
<input type="checkbox"/> <b>4549-0024-075-UNV-D10</b>									
75	120-277V	Outdoor	0-10V	Down to ±10%	8" x 1" x 2" (203 x 25 x 51mm)	30ft(9m)	1-14	1-6	1-6
<input type="checkbox"/> <b>4545-0024-075-UNV-ND</b>									
75	120-277V	Outdoor	None	None	11" x 3" x 2" (279 x 76 x 51mm)	30ft(9m)	1-14	1-6	1-6
<input type="checkbox"/> <b>4551-0024-080-120-LTE</b>									
80	120V	Outdoor	Leading and trailing edge (ELV and TRIAC)	Down to ±15%	14" X 5" X 2" (356 X 127 X 51mm)	30ft(9m)	1-15 Dim 6-15	1-7 Dim 3-7	1-6 Dim 3-6
<input type="checkbox"/> <b>4448-0024-150-UNV-D10</b>									
150	120-277V	Indoor	0-10V	Down to ±10%	10" x 8" x 4" (254 x 203 x 102mm)	25ft (7.5m)	1-28	1-13	1-12
<input type="checkbox"/> <b>4546-0024-200-2C-UNV-ND</b>									
200	120-277V	Outdoor	None	None	12" X 5" X 2" (305 X 127 X 51mm)	30ft (9m) Per channel	1-38	1-18	1-16

\* Wattage requirement for one (1) fixture (Remote fixture only).

\*\* Contact factory for longer remote distance.

**SKILL**

SURFACE MOUNTED - FLUSH MOUNTED

Type:

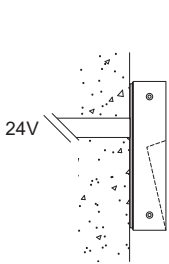
SPECIFICATION SHEET

Project :

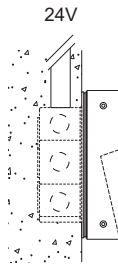
Page: 4 of 8

**MOUNTING OPTIONS**

**Miniskill**  
(S6250 - S6270)



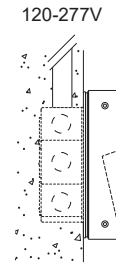
**DF-REM** - Direct feed with remote power supply. Connections made inside fixture. Max 2x18AWG. Installed directly to surface.



**JB-REM** - 4" junction box with remote power supply. Mounting adapter plate for junction box installation. Min 1 1/2" (38mm) deep

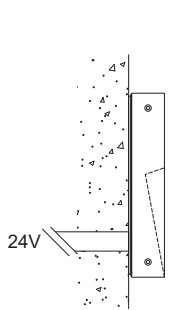


**FM-REM** - Recessed mounted flush with surface. Remote power supply. Cast in concrete application, supplied with back box **S6256 - S6278**. Min 2 1/8" (73mm) deep

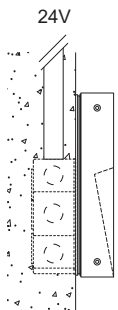


**JB-UNV** - 4" junction box with integral power supply. Mounting adapter plate for junction box installation. Min 1 1/2" (38mm) deep

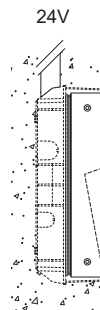
**Skill**  
(S6240 - S6260 - S6280)



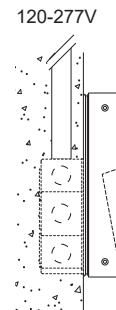
**DF-REM** - Direct feed with remote power supply. Connections made inside fixture (14-18AWG only). Max Ø3/8" power cable. Installed directly to surface.



**JB-REM** - 4" junction box with remote power supply. Mounting adapter plate for junction box installation. Min 1 1/2" (38mm) deep

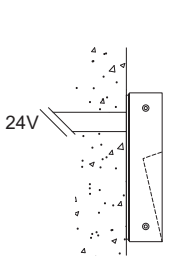


**FM-REM** - Recessed mounted flush with surface. Remote power supply. Cast in concrete application, supplied with back box **S6247 - S6268 - S6288**. Min 2 1/8" (73mm) deep

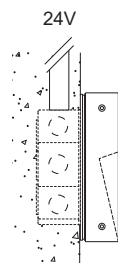


**JB-UNV** - 4" junction box with integral power supply. Mounting adapter plate for junction box installation. Min 1 1/2" (38mm) deep

**Miniskill Vertical**  
(S6230)



**FW-REM** - Fixture whip to remote power supply. Installed directly to surface with recessed pipe, exposed cable or electrical conduit.

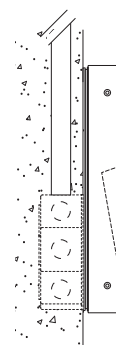


**J2-REM** - 2" junction box with remote power supply. Mounting adapter plate for junction box installation. Min 1 1/8" (48mm) deep



**FM-REM** - Recessed mounted flush with surface. Remote power supply. Cast in concrete application, supplied with back box **S6239**. Min 2 1/8" (73mm) deep

120-277V



**JB-UNV** - 4" junction box with integral power supply. Mounting adapter plate for junction box installation. Min 1 1/2" (38mm) deep

**Skill Square Large**  
(S6255)



**SKILL**

SURFACE MOUNTED - FLUSH MOUNTED

Type:

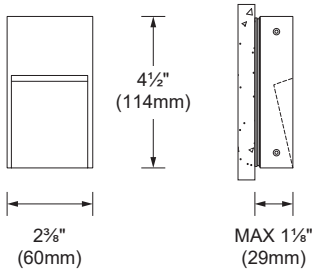
Project :

SPECIFICATION SHEET

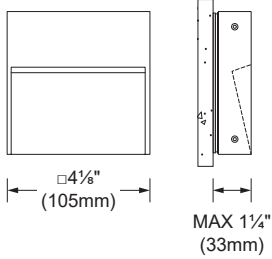
Page: 5 of 8

**DIMENSIONS**

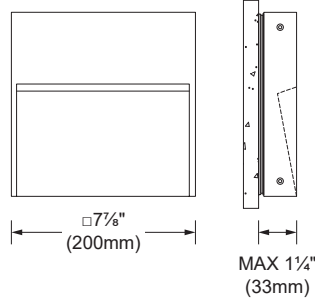
**Miniskill vertical**  
S6230



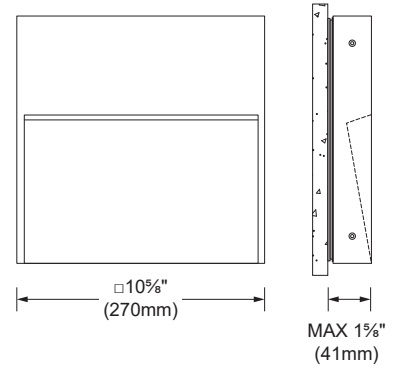
**Miniskill Square**  
S6250



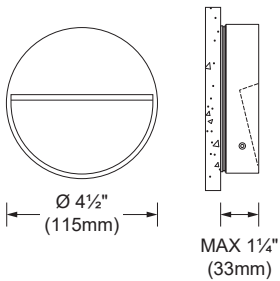
**Skill Square**  
S6260



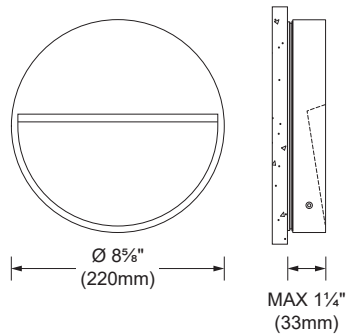
**Skill Square Large**  
S6255



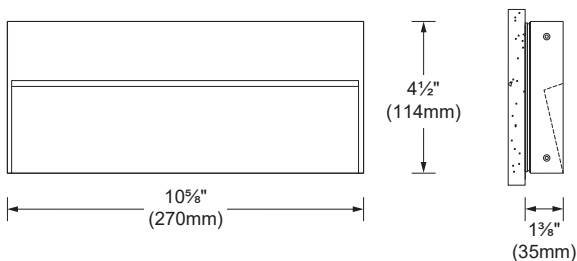
**Miniskill Round**  
S6270



**Skill Round**  
S6280



**Skill Rectangular**  
S6240



**SKILL**

SURFACE MOUNTED - FLUSH MOUNTED

Type:

SPECIFICATION SHEET

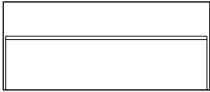
Project :

Page: 8 of 8

**PHOTOMETRIC DATA**

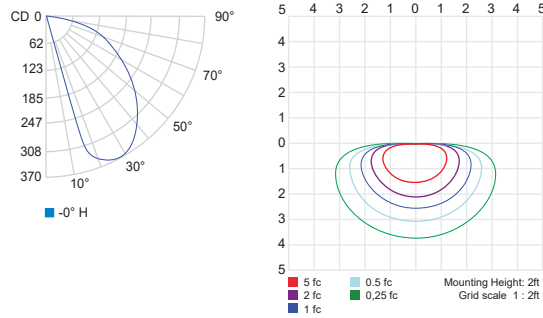
Visit [sistemalux.com](http://sistemalux.com) for complete photometric data.

**Skill Rectangular**



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
3000K	90	13.5W	Accent light	420	31	363	S6240W

Accent light (3000K, 90CRI)



CCT options	2700K	3000K	4000K
CRI options	90CRI	90CRI	90CRI
<b>Multiplier</b>	<b>0.94</b>	<b>1</b>	<b>1.02</b>

## LED Wall mount

The key design element of our LED wall mount is the removable lens. This feature allows for three distinctive styles during installation.



ADA  
COMPLIANT



JA8  
CERTIFIED



Model	Watts	Delivered lumens	LED lumens	CRI	Color °T	Voltage
<b>LEDWALL-B</b>	29 W	2100 lm	2260 lm	90	3000 K	120 V - 277 V

**Specifications**

Square housing made of extruded aluminum

Fixture canopy made of die-cast aluminum

LED module is mounted on an aluminum heat sink to maximize heat dissipation and extend product life

The square wall mount comes with 3 optical options:

- Bright aluminum reflector that provides a 45° beam spread
- Frosted glass lens to allow a wider beam spread
- Die-caster aluminum cap to allow a down only version

Compatible with TRIAC, ELV and 0-10 V dimmers

The LED board is sealed with a clear tempered glass lens to assure weatherproof operation

Baked powder paint coat for a highly durable finish

Integrated dimmable driver

JA8 certified

ENERGY STAR certified

ADA compliant

Suitable for wet locations

Refer to website for dimmer compatibility

Ideal operating temperature:

-20° to 40° C

5-year warranty

**Finish**

- **BK** Black
- **SG** Silver grey
- **WH** White

**Order example**

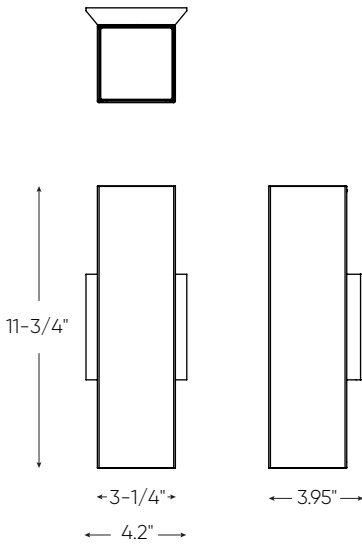
**LEDWALL-B-SG**

LEDWALL-B square LED wall mount in a silver grey finish

**Note**

Other Color °T and Finishes available, but may require MOQ's and longer lead times. Please contact your DALs representative for more information.

**LEDWALL-B**





# ZXL11

LED Area Accent . ZX11 Series



## Product Features

- Area accent lighting for architectural and landscape application.
- ETL outdoor wet location listed. IP67 standard.
- Machined from solid billet 6061-T6 corrosion resistant aluminum.
- 240° vertical and 360° horizontal adjustment via unique swivel stem design.
- Modular components - field changeable LED module & beam spread reflectors.

## Specification

**Materials:** Machined from billet 6061-T6 corrosion resistant aluminum with 304 stainless steel hardware. Available in 304/316 stainless steel or 360 brass upon request.

**Hood and Glare Shield:** 3 available hood options to suit any application. 3 optional glare shields (short, long, angled) to complement each hood choice. See page 3 for details.

**Voltage:** 12V AC/DC. Requires remote step down transformer.

**Wattage:** 5 or 7W HK LED.

**Light Source:** CRI 83. Available in CRI95 upon request. The chromaticity range is within a 3-step McAdam Ellipse. Standard CCT options are 2700K, 3000K, 4000K.

**Lamp Base/Socket:** Innovative cone-shaped lamp base and receptacle socket maximize the surface contact area to dissipate heat more effectively. See "Resources" for details.

**Dimmability:** MLV or ELV.

**Finish:** Polyester powder coat on all aluminum materials with RoHS compliant procedures. Anodized finish is available. Stainless steel and brass models are provided with brushed surface.

**Optical Accessories:** Accepts up to 3 accessories (hexcel louver, optical lenses, dichroic color filters, etc.). Secured in place with metal snap ring.

**Mounting Method:** Mounts using 1/2"-14 NPS male fitting compatible with all HK Lighting Group mounting devices.

## Ordering Guide

EXAMPLE: ZXL11 - A - GSL - 12V - 7 - 27 - 40 - BK - LVR - MH02

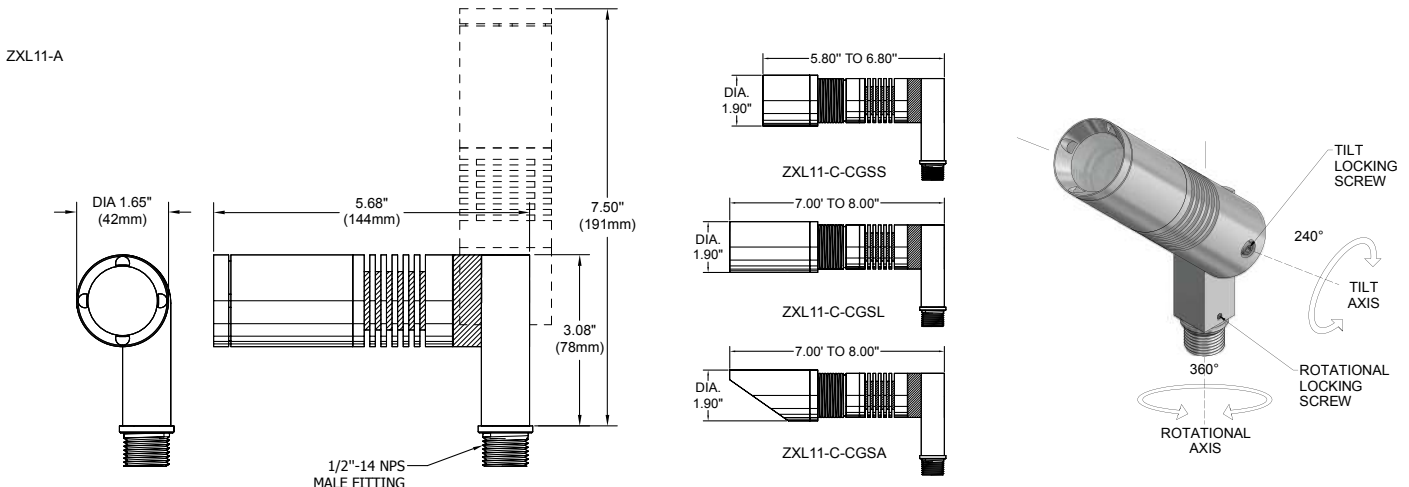
SERIES	MATERIAL	HOOD	OPTIONAL GLARE SHIELD	VOLTAGE	WATTAGE	CCT	OPTICS	FINISH	OPTIONAL SELECT UP TO 3 OPTIC ACCESSORIES	OPTIONAL MOUNTING ACCESSORIES
ZXL11	-	-	-	12V	-	-	-	-	-	-
	BLANK Aluminum(Standard) NBR Natural Brass NSS Natural Stainless Steel CU Natural Copper	A A-HOOD B B-HOOD C C-HOOD	GSL GSA GSS CGSL CGSA CGSS		5 5W 7 7W	27 2700K 30 3000K 40 4000K	29 29° 40 40° 57 57°	Standard BK Black Powder Coat BZ Bronze Powder Coat WT White Powder Coat Premium ABK Anodized Black ACL Anodized Clear CC Custom Powder Coat	LVR Hexcel Louver OSL Overall Spread Lens LSL Linear Spread Lens SOL Solite Soft Focus DF Dichroic Filter	See page 3 for quick reference, or "Accessories" link for detailed specification.

Remote Step Down Transformer (Optional). See "Accessories" link for detailed specification.

Model	Wattage(VA)	Primary Voltage(VAC)	Secondary Volt(VAC)	Dimming Method	Characters
-	-	-	-	-	-
TXM	20 40 60 100 150 300	120 or 277	12	MLV	Outdoor, Wall Mount, Compact
TXS	150 300 600	120	Multi-tap of 12, 13, 14, 15 VAC	MLV	Outdoor, Wall mount, Stainless Steel Case
IGT	50(120V only) 100 300 600	120 or 277	12	MLV	in grade
TXE	60	120, 230, or 277	12	ELV	Needs Enclosure, 6ft working distance

## Product Drawings

NOTE: Specification and dimensions subject to change without notice.

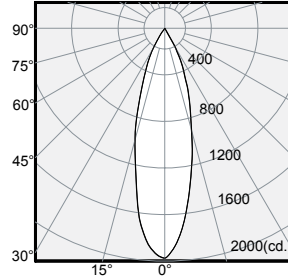


Photometry & Energy Data

MODEL ZXL11-7W-N

Input Power	8.1W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	80
Beam Angle	28.7°
Max. Candlepower	1964cd
Delivered Lumens	636lm
Efficacy	78lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

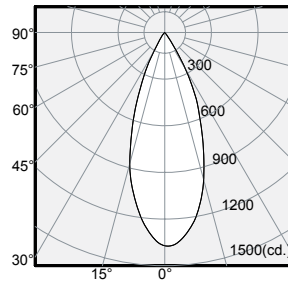
Center Beam (fc)	Beam Diameter	Distance
491	1.0'	2.0'
123	2.0'	4.0'
55	3.0'	6.0'
31	4.0'	8.0'
20	5.0'	10.0'

1/2 Beam Angle: 28.7°

MODEL ZXL11-7W-M

Input Power	8.1W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	80
Beam Angle	39.2°
Max. Candlepower	1383cd
Delivered Lumen	632lm
Efficacy	78lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

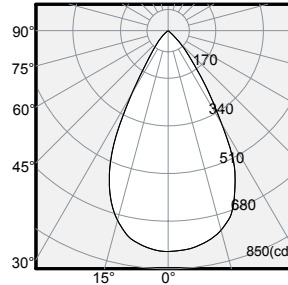
Center Beam (fc)	Beam Diameter	Distance
346	1.4'	2.0'
86	2.9'	4.0'
38	4.3'	6.0'
22	5.7'	8.0'
14	7.1'	10.0'

1/2 Beam Angle: 39.2°

MODEL ZXL11-7W-W

Input Power	8.1W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	80
Beam Angle	56.9°
Max. Candlepower	811cd
Delivered Lumen	675lm
Efficacy	83lm/W

Polar Graph - Intensity



Cone of Light - Illuminance

Center Beam (fc)	Beam Diameter	Distance
203	2.2'	2.0'
135	4.3'	4.0'
23	6.5'	6.0'
13	8.7'	8.0'
8	10.8'	10.0'

1/2 Beam Angle: 56.9°

Wattage Multiplier Table

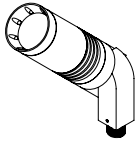
Wattage	Multiplier
5Watt	0.67
8Watt	1.00

CCT Multiplier Table

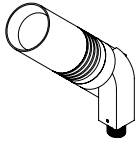
Color Temp.	Multiplier
2700K	0.96
3000K	1.00
4000K	1.03

Product Options & Accessories

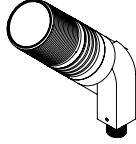
Hood Options



**A-HOOD**  
Versatile hood with 8 weep holes for water drainage. Regressed lens for glare control. Suggested for general use or when fixture is aimed in an up position.

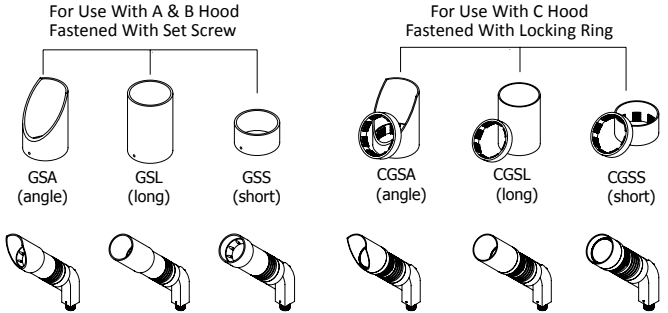


**B-HOOD**  
Similar to A hood but without weep holes. Regressed lens for glare control. Used in an interior or down light application.



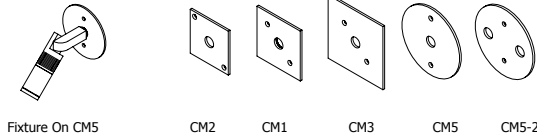
**C-HOOD**  
Flush hood with machined threading on the outside for attachment of C-style glare shield, cleverly designed with hidden drainage channels.

Optional Glare Shield

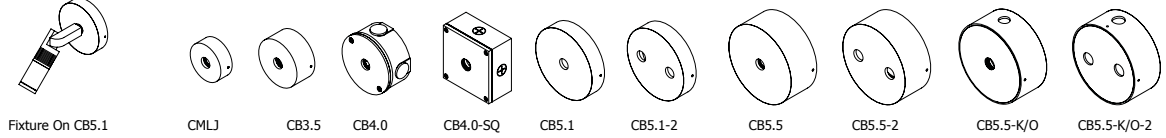


Mounting Accessories

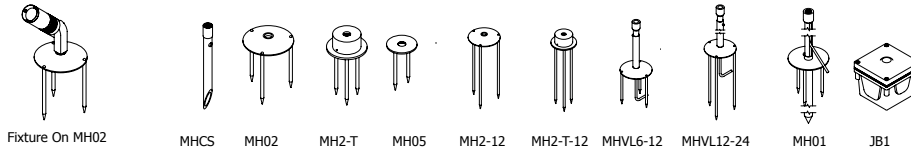
Canopy Plate:



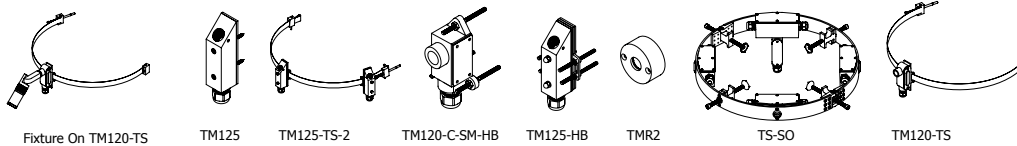
Surface Mount Box:



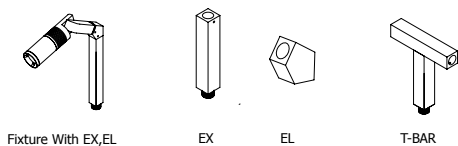
Ground Mount:



Tree Mount:



Extension:



Sign Light Arm: Please See The Sign Light Section

Notes

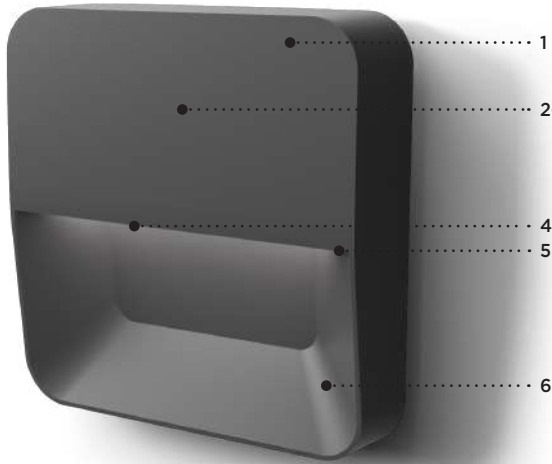


**SN825** SERIES  
**SCENA**  
SURFACE MOUNT

TYPE: \_\_\_\_\_ QUANTITY: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG NUMBER:

MODEL LED LIGHT SELECTION CCT VOLTAGE FINISH OPTION OPTION OPTION



ADA Compliant

- 1- Corrosion resistant diecast aluminum housing.
- 2- Integrated standard 0-10V driver (dim to <10%).
- 3- Precision LEDs with individual lenses for downlight asymmetric light.
- 4- Clear tempered glass.
- 5- Sealed enclosure with durable gaskets.
- 6- All hardware in stainless steel.

SN825



**MATERIALS**

Scena is made of aluminum diecast offering exceptional precision and durability. The main housing is perfectly sealed with durable gaskets. The integrated LED light module and 0-10V driver are protected by a clear tempered glass. With a distinctive look and perceptible quality, Scena is designed for uniform lighting performance.

**ELECTRICAL**

**DRIVER** Standard driver is 0-10V dimming-ready (dims to <10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -30°C/-22°F to 60°C/140°F, over current and output short circuit protection.

**LED** Offered in 2700K, 3000K, 3500K & 4000K / 80CRI. Optional true amber LED for turtle sensitive areas. Wavelengths: 609nm to 620nm.

**LIFETIME**

60,000hrs L<sub>70</sub>B<sub>50</sub> (based on LM-80 report for lumen maintenance).

**FINISH**

Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

**CERTIFICATION**

Certified and Approved as per CSA C22.2 No.: 250.0 standard and ANSI/UL 1598 standard, for wet location. Rated IP65/IK10. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Lumen depreciation in accordance with IESNA LM80 standards.


**MOUNTING**

Maximum weight: 4.6 lbs (2.1 kg)  
Scena is designed for ease of access and installation. The mounting plate is designed to fit on a 4" (102mm) octagonal electrical box using 3.5" (89mm) C/C mounting holes.



# SN825 SERIES SCENA

## LUMINAIRE SELECTION

<p><b>1 MODEL</b></p>  <p><input type="checkbox"/> SN825</p>	<p><b>2 LED LIGHT SELECTION</b></p> <p><b>WHITE LED SELECTION</b></p> <table border="1"> <thead> <tr> <th>SUFFIX</th> <th>DELIVERED LUMENS*</th> <th>INPUT WATTS</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> L1L5</td> <td>553</td> <td>12W</td> </tr> <tr> <td><input type="checkbox"/> L1L8</td> <td>817</td> <td>19W</td> </tr> </tbody> </table> <p>*4000K / 80CRI</p> <p><b>AMBER LED LIGHT SELECTION - TURTLE FRIENDLY</b></p> <table border="1"> <thead> <tr> <th>SUFFIX</th> <th>DELIVERED LUMENS*</th> <th>INPUT WATTS</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> L1LK2A</td> <td>221</td> <td>7W</td> </tr> </tbody> </table>	SUFFIX	DELIVERED LUMENS*	INPUT WATTS	<input type="checkbox"/> L1L5	553	12W	<input type="checkbox"/> L1L8	817	19W	SUFFIX	DELIVERED LUMENS*	INPUT WATTS	<input type="checkbox"/> L1LK2A	221	7W	<p><b>3 CCT °K LED</b></p> <p><input type="checkbox"/> K27 2700K*</p> <p><input type="checkbox"/> K30 3000K*</p> <p><input type="checkbox"/> K35 3500K*</p> <p><input type="checkbox"/> K40 4000K*</p> <p>*80CRI</p>	<p><b>4 VOLTAGE</b></p> <p><input type="checkbox"/> 120V</p> <p><input type="checkbox"/> 208V</p> <p><input type="checkbox"/> 240V</p> <p><input type="checkbox"/> 277V</p>	<p><b>5 FINISH</b></p> <p><b>STANDARD COLORS*</b></p> <p><input type="checkbox"/> WHT Snow white</p> <p><input type="checkbox"/> BKT Jet black</p> <p><input type="checkbox"/> BZT Bronze</p> <p><input type="checkbox"/> MST Matte silver</p> <p><input type="checkbox"/> GRT Titanium gray</p> <p><input type="checkbox"/> DGT Gun metal</p> <p><input type="checkbox"/> CHT Champagne</p> <p><input type="checkbox"/> SGT Steel gray</p> <p><input type="checkbox"/> BGT English cream</p> <p><b>OPTIONAL COLORS</b></p> <p><input type="checkbox"/> CS Custom color</p> <p><input type="checkbox"/> RAL RAL# color</p> <p>*Refer to color chart</p>
SUFFIX	DELIVERED LUMENS*	INPUT WATTS																	
<input type="checkbox"/> L1L5	553	12W																	
<input type="checkbox"/> L1L8	817	19W																	
SUFFIX	DELIVERED LUMENS*	INPUT WATTS																	
<input type="checkbox"/> L1LK2A	221	7W																	



For IDA certification compliance, luminaire must be ordered with 3000K or warmer.

## OPTIONS

### PHOTOCELL

PH Thermal button photocell mounted on top casted housing (as shown on image). Instant turn-on, standard 5-10 second turn-off time delay.

### MOUNTING BOX

SWK Surface wall or ceiling mounting option with 3/4" NPT conduit adaptor. (Conduit and adaptor by others) Supplied with 5x18AWG/36" lg. wiring (longer wires to be specified).

### ENVIRONMENT

MG Marine grade paint<sup>1</sup>

NT Natatorium (only available in WHT and BKT)



## OPTION DETAILS



**TRUE AMBER LED**  
Optional amber LED for turtle sensitive areas. It protects local habitat and promotes sustainability.



**PH**  
Thermal button photocell mounted on top casted housing. Instant turn-on, standard 5-10 second turn-off time delay.

**SWK**  
Surface wall mounting option for Ø4" weatherproof surface junction box (3/4" conduit trade size) (weatherproof junction box, conduit and adaptor by others) Supplied with 5x18AWG/36" lg. wiring (longer wires to be specified). The SWK option adds 1.65" to the total depth of the product. (No ADA compliant).

1.65"  
(41.9mm)

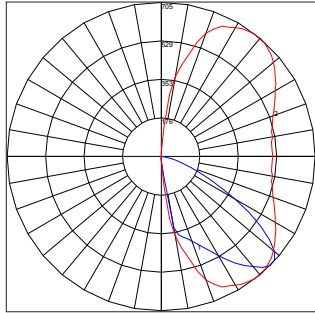
### NOTES

1- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required please contact factory for info.

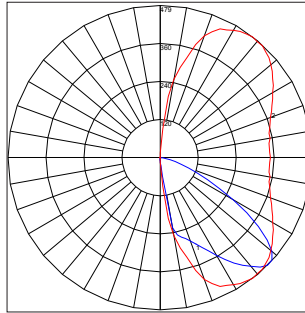


**SN825** SERIES  
**SCENA**

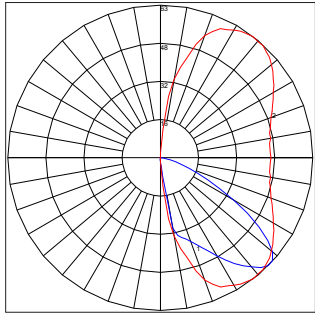
**TYPICAL PHOTOMETRY SUMMARY**



**SN825-L1L8**  
 Total Lms: 817 Lumens  
 Total Input Watts: 18 W  
 Efficacy: 44.2 Lumens/Watt  
 CCT/CRI: 4000K/80  
 Max. Candela: 705 @ 52.5°H/45°V  
 BUG: B0-U0-G0¹



**SN825-L1L5**  
 Total Lms: 553 Lumens  
 Total Input Watts: 12.2 W  
 Efficacy: 45.5 Lumens/Watt  
 CCT/CRI: 4000K/80  
 Max. Candela: 479.4 @ 52.5°H/45°V  
 BUG: B0-U0-G0¹



**SN825-L1LK2A**  
 Total Lms: 221 Lumens  
 Total Input Watts: 6.8 W  
 Efficacy: 32.5 Lumens/Watt  
 CCT/CRI: Not applicable  
 Max. Candela: 190.35 @ 52.5°H/45°V  
 BUG: B0-U0-G0¹

LUMEN CONVERSION FACTOR (LCF)

CCT	LCF	CRI
2700K	0.91	80
3000K	0.92	80
3500K	0.96	80
4000K	1.00	80

All Photometry shown use the Standard 80CRI 4000K LEDs.  
 Please visit our web site [www.luminis.com](http://www.luminis.com) for complete I.E.S. formatted download data

**NOTES**  
 1- Tested with Jet Black paint (BKT)





# Image Spot®



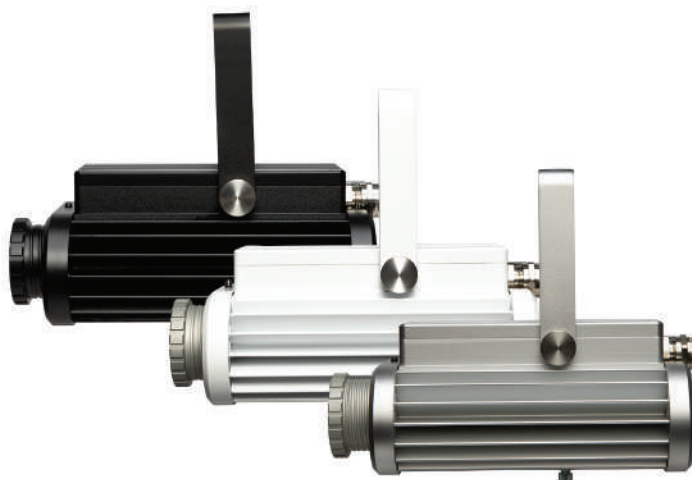
## Brilliant Imaging.

Crystal clear optics allow you to project vivid images and messaging up to 40 ft. (12m) away! Using a mere 45W of power, the Image Spot LED projector packs an amazing amount of light output from a versatile and compact design.

The cool white or warm white LEDs ensure bright imaging in virtually any environment. An available filter kit allows the Image Spot to be used to illuminate subjects in museums, themed entertainment and hospitality venues.



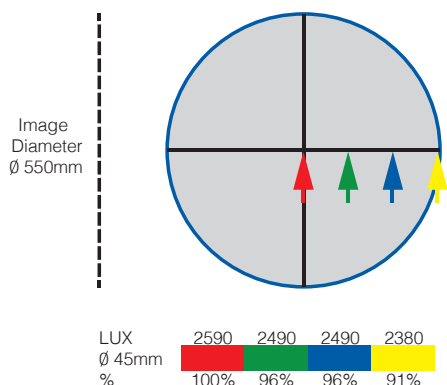
Project:	Type:
Quantity:	Location:



### KEY FEATURES

- 40W LED array with 10°, 19°, 25° or 30° beam optics provide superb image uniformity and fringe-free shadows
- IP40 rating for indoor use or IP65 rating for outdoor use HT variant for high ambient temperature environments
- Accepts Rosco Image Spot Gobos and Permacolor Dichroic Glass Color Filters
- Available OPTI-FLECS filter packs for beam diffusion
- Accepts universal line voltage input allowing operation anywhere around the globe
- DMX512 compatibility provides flicker-free dimming throughout the range: 100% ~ 0%
- 0-10V, DMX, DALI & Push to DIM dimming options
- Passive cooling means operation is completely silent
- Standard Color Options: Black, White and Silver

### Superior Uniformity Across Entire Field



# Image Spot®



## SPECIFICATIONS

Input Voltage:	100-277VAC (V1:100-240VAC)
Power Consumption:	45 Watts at maximum output
Color Temp. Options:	5500K or 3000K or UV
CRI:	5500K Model: 80 3000K Model: 95
Output:	5500K Model: 1300 lumens 3000K Model: 750 lumens
Lumen Maintenance:	50,000 hours at 45°C (LM-79-08)
Power Connection:	6.5 ft (2m) insulated standard (IP40) or hybrid data/mains cable (IP65) (Connectors not included.)
Data:	DMX512, 0-10V, DALI, Push DIM Options RJ45 Connector (IP40) In and thru, hybrid power & data cable (IP65)
DMX Addressing:	RDM functionality available for addressing
Dimensions:	Image Spot (including yoke): 7.8 in x 4.8 in x 6.8 in (198mm x 123mm x 172mm)  Image Spot HT (including yoke): 9.3 in x 4.8 in x 6.8 in (236mm x 123mm x 172mm)
Weight:	Image Spot: 5.5 lbs (2.5 kg)  Image Spot HT: 5.9 lbs (2.7 kg)
Operating Temp.:	Image Spot: -13° to 104° F (-25° to 40° C)  Image Spot HT: -13° to 122° F (-25° to 50° C)
Humidity:	0 - 95% non-condensing
Housing:	Anodized Aluminum Extrusion
Approvals:	ETL / UL Standards #62368-1 and #60950-22 cETL / CSA C22.2 #62368-1 and #6095-22 CE IP40 Rated (indoor use) or IP65 Rated (outdoor use)

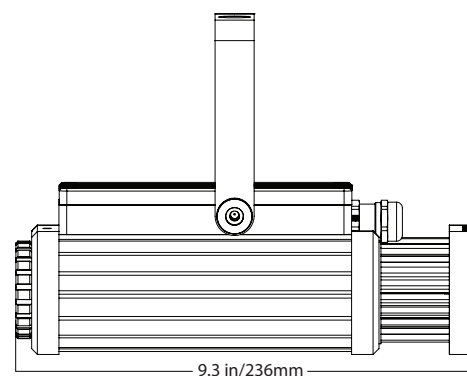
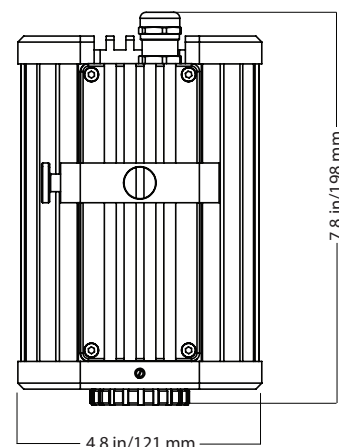
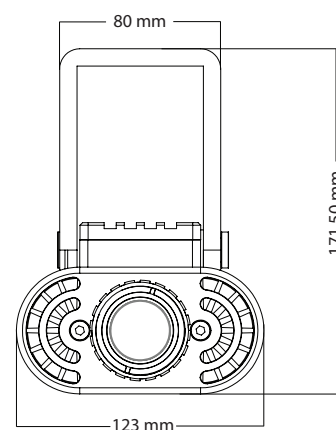
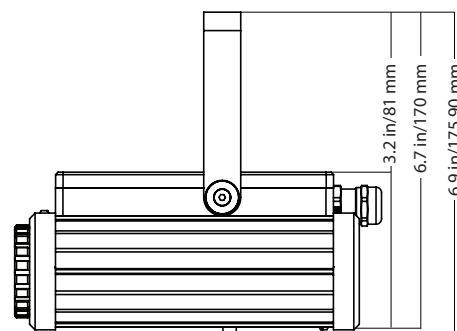


Image Spot® HT



# Image Spot®



## SPECIFICATION ORDER CODES

UNIT	CCT	Finish	Data Transfer	Mounting	Lens	Optional Accessory
Image Spot ST Image Spot IP Image Spot HT	3 - 3000K 5 - 5500K U - UV O - Custom*	B - Black W - White S - Silver C - Custom RAL	A - DMX/RDM, RJ45 (IP40 Only) B - DALI, RJ45 (IP40 Only) C - Push DIM, RJ45 (IP40 Only) 0 - 0/10V, No Connector 1 - DMX/RDM, No Connector 2 - DALI, No Connector 3 - Push to DIM, No Connector	F - Full Yoke Y - Track Mount L - Floor Mount W - Wall Mount C - Ceiling Mount P - Pole Mount N - N/A	T - 10 degree 1 - 19 degree 2 - 25 degree 3 - 30 degree N - No Lens	S - Snoot N - N/A

Example:

ImageSpot ST — 3 — B — 1 — F — T — N

ie. ImageSpot ST-3B1FTN =  
Image Spot Standard, 3000K CCT, Black, DMX/RDM, No Connector, Full Yoke, 10 degree Lens, with no additional accessories.

\*Custom color temperature available with minimum order quantity, price difference and longer lead time. For more information please contact [Project.Management@Rosco.com](mailto:Project.Management@Rosco.com)

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Company Name: \_\_\_\_\_

Project: \_\_\_\_\_

# Image Spot®



## Image Spot® Accessories

Item Code	Description
296 00001 0013	Image Spot OPTI-FLECS Filter Pack
296 00001 0052	Image Spot Lens Cover Kit
296 00001 0017	Image Spot USB to RJ45 Programming Cable
296 00001 0011	Image Spot USB to RS485 Programming Cable
296 00001 0012	Image Spot Safety Cable, 3ft (1m)
296 00000 5001	Rosco Pole Mount Accessory - Black
296 00000 5002	Rosco Pole Mount Accessory - White
296 00000 5003	24" Stainless Steel Strap Rosco Pole Mount Kit - 3-Pack
296 00000 5004	Rosco Wall Mount Accessory - Black
296 00000 5005	Rosco Wall Mount Accessory - White

## Image Spot Gobos & Permacolor Filters

For optimum image quality and performance, use Rosco Image Spot Gobos and Permacolor Filters, which feature custom bezels that enable a secure fit inside the Image Spot gobo cassette.

### Image Spot® Gobos

Item Code	Description
<b>Standard Gobos</b>	
XXXXX-SPOT	Image Spot Standard Gobo XXXXX = The five digit standard gobo number
<b>Custom Gobos</b>	
250 7210I SPOT	Image Spot Custom Steel Gobo
260 CUSBW OSPO	Image Spot Custom B&W Glass Gobo
260 CUS1C OSPO	Image Spot Custom One-Color Glass Gobo
260 CUS2C OSPO	Image Spot Custom Two-Color Glass Gobo
260 CUSMC OSPO	Image Spot Custom Multi-Color Glass Gobo

### Permacolor™ Dichroic Filters

Item Code	Description
1203 XXXX SPOT	Image Spot Permacolor Dichroic Glass Filter XXXX = the four digit color number (includes bezel to fit inside gobo cassette)

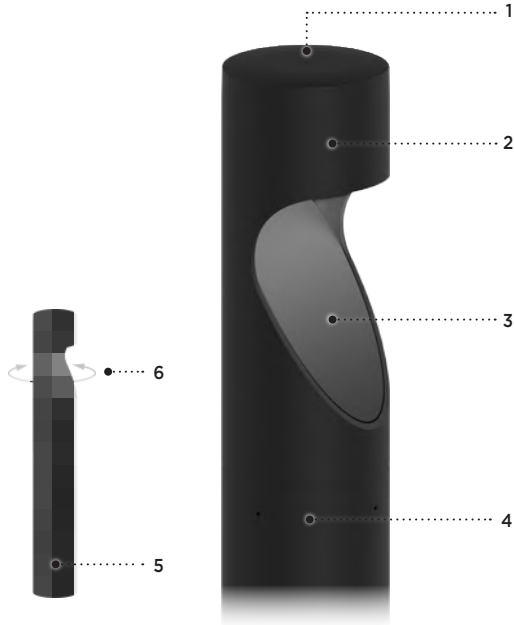


**LN601B/LN602B** SERIES  
**INLINE**  
**BOLLARD**

TYPE: \_\_\_\_\_ QUANTITY: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG NUMBER:

MODEL LED SELECTION CCT DISTRIBUTION BOLLARD HEIGHT VOLTAGE FINISH OPTION



- 1- Heavy cast aluminum top cover.
- 2- Optical system assembly.
- 3- Access door to rotation mechanism.
- 4- Ø6" (152mm) extruded aluminum body.
- 5- Cast aluminum internal mounting base.
- 6- Modules rotate 355° and are field-adjustable (shipped facing same direction).



**MATERIALS**

Inline is made of corrosion resistant 356 heavy duty cast aluminum alloy with a copper (CU) content of less than 0.1% with stainless steel hardware.

**ELECTRICAL**

**DRIVER**

Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperatures of -40°C/-40°F to 55°C/131°F, output over voltage protection, output over current protection, output short circuit protection with auto-recovery.

**LED**

2700K/3000K/3500K/4000K CCT with 80 CRI. Optional true amber LED for turtle sensitive areas. Wavelengths: 585nm to 597nm.

**LIFE**

60,000hrs L<sub>70B50</sub> (based on IESNA TM-21 Test Method and LM-80 data). Up to 70,000hrs L<sub>70B50</sub> (calculated projection from LM-80 data).

**FINISH**

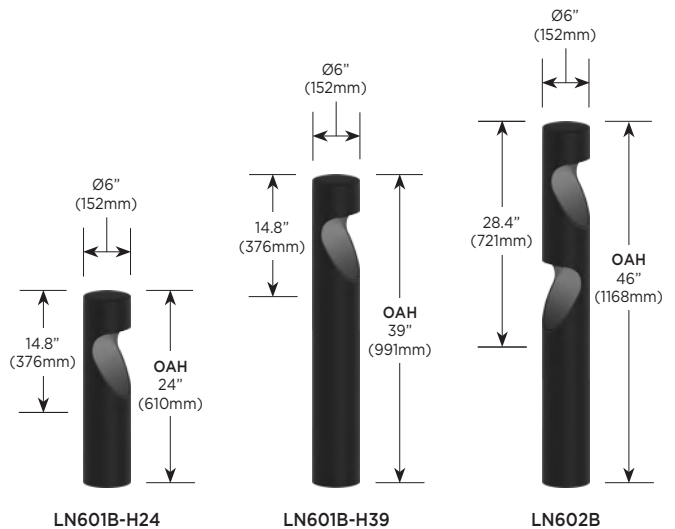
Five-stage preparation process including preheating of cast aluminum parts for air extraction, and an environmentally friendly alloy sealant. Polyester powder coating is applied through an electrostatic process and oven cured for long term finish.

**MOUNTING**

Mounts with a set of 4 x 1/2"-13 x 18" lg. galvanized anchor bolts. See page 3 for mounting details.



**CERTIFICATION**

Certified and approved as per CSA C22.2 No.: 250.0 standard and ANSI/UL 1598 standard, for wet location. Rated IP65. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Lumen depreciation in accordance with IESNA LM80 standards.



# LN601B/LN602B SERIES INLINE

## LUMINAIRE SELECTION


MODEL <sup>1</sup>	LED LIGHT SELECTION	CCT/CRI	DISTRIBUTION	BOLLARD HEIGHT	VOLTAGE	FINISH <sup>2</sup>																																																	
 <input type="checkbox"/> LN601B	<table border="1"> <thead> <tr> <th>SUFFIX</th> <th>DELIVERED LUMENS*</th> <th>INPUT WATTS</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> L1L10</td> <td>1116</td> <td>11</td> </tr> <tr> <td><input type="checkbox"/> L1L20</td> <td>2143</td> <td>23</td> </tr> <tr> <td><input type="checkbox"/> L1L30</td> <td>3156</td> <td>36</td> </tr> <tr> <td><input type="checkbox"/> L1L40</td> <td>4191</td> <td>53</td> </tr> <tr> <td colspan="3">Amber LED:</td> </tr> <tr> <td><input type="checkbox"/> L1LK2A</td> <td>229</td> <td>11</td> </tr> </tbody> </table>	SUFFIX	DELIVERED LUMENS*	INPUT WATTS	<input type="checkbox"/> L1L10	1116	11	<input type="checkbox"/> L1L20	2143	23	<input type="checkbox"/> L1L30	3156	36	<input type="checkbox"/> L1L40	4191	53	Amber LED:			<input type="checkbox"/> L1LK2A	229	11	<input type="checkbox"/> K27 2700K CCT 80 CRI (LCF: 0.94) <input type="checkbox"/> K30 3000K CCT 80 CRI (LCF: 0.97) <input type="checkbox"/> K35 3500K CCT 80 CRI (LCF: 0.99) <input type="checkbox"/> K40 4000K CCT 80 CRI LCF: Lumen conversion factor	<input type="checkbox"/> R15 Narrow optics 15° (LCF: 0.94) <input type="checkbox"/> R30 Flood optics 30° <input type="checkbox"/> R55 Wide flood optics 55° (LCF: 0.97) <input type="checkbox"/> TYP3 TYPE III, Short (LCF: 0.76) LCF: Lumen conversion factor	<input type="checkbox"/> H24 24" OAH <input type="checkbox"/> H39 39" OAH For LN601B only	<input type="checkbox"/> 120V <input type="checkbox"/> 208V <input type="checkbox"/> 240V <input type="checkbox"/> 277V <input type="checkbox"/> 347V <input type="checkbox"/> 480V	<table border="1"> <thead> <tr> <th colspan="2">STANDARD COLORS</th> </tr> </thead> <tbody> <tr><td><input type="checkbox"/> WHT</td><td>Snow white</td></tr> <tr><td><input type="checkbox"/> BKT</td><td>Jet black</td></tr> <tr><td><input type="checkbox"/> BZT</td><td>Bronze</td></tr> <tr><td><input type="checkbox"/> MST</td><td>Matte silver</td></tr> <tr><td><input type="checkbox"/> GRT</td><td>Titanium gray</td></tr> <tr><td><input type="checkbox"/> DGT</td><td>Gun metal</td></tr> <tr><td><input type="checkbox"/> CHT</td><td>Champagne</td></tr> <tr><td><input type="checkbox"/> SGT</td><td>Steel gray</td></tr> <tr><td><input type="checkbox"/> BGT</td><td>English cream</td></tr> <tr><td><input type="checkbox"/> BLT</td><td>Midnight blue</td></tr> <tr> <th colspan="2">OPTIONAL COLORS</th> </tr> <tr><td><input type="checkbox"/> CS</td><td>Custom color</td></tr> <tr><td><input type="checkbox"/> RAL</td><td>RAL# color</td></tr> </tbody> </table> (Refer to color chart)	STANDARD COLORS		<input type="checkbox"/> WHT	Snow white	<input type="checkbox"/> BKT	Jet black	<input type="checkbox"/> BZT	Bronze	<input type="checkbox"/> MST	Matte silver	<input type="checkbox"/> GRT	Titanium gray	<input type="checkbox"/> DGT	Gun metal	<input type="checkbox"/> CHT	Champagne	<input type="checkbox"/> SGT	Steel gray	<input type="checkbox"/> BGT	English cream	<input type="checkbox"/> BLT	Midnight blue	OPTIONAL COLORS		<input type="checkbox"/> CS	Custom color	<input type="checkbox"/> RAL	RAL# color
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## OPTIONS

<b>ELECTRICAL</b> <input type="checkbox"/> FS Fuse <input type="checkbox"/> SP 10kV surge protector <input type="checkbox"/> REML Remote emergency battery backup for LED (624 lm/90 min.) Remote mount 50ft - 12" (305mm) square enclosure with access cover 120/277V <sup>6</sup> California Title 20 Compliant	<b>FAUX WOOD COLORS<sup>2,4</sup></b> <input type="checkbox"/> ADG American douglas <input type="checkbox"/> BRC Birch <input type="checkbox"/> CHN Chestnut <input type="checkbox"/> CRY Cherry <input type="checkbox"/> KNP Knotty pine <input type="checkbox"/> MPL Maple <input type="checkbox"/> OFL Oak <input type="checkbox"/> RSW Rosewood <input type="checkbox"/> TEK Teak <input type="checkbox"/> WLN Walnut
<b>ENVIRONMENT</b> <input type="checkbox"/> MG Marine grade paint <sup>3</sup>	<b>ACCESSORIES</b> <input type="checkbox"/> GFI Ground fault circuit interruption flush receptacle (LN601B-H39 only) <sup>5</sup> <input type="checkbox"/> CGF Ground fault circuit interruption with clear in-us cover (LN601B-H39 only) <sup>5</sup>

**NOTES**

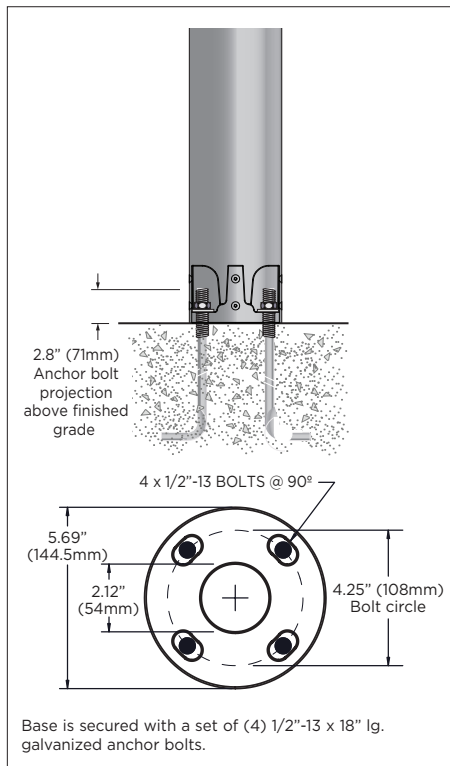
- For LN602B, all light modules are factory-assembled in the same direction. They can be rotated in the field.
- For any standard finish, access door will be black color to reduce glare and minimize uplight. Different access door color available on demand. For faux wood finish, access door will have same faux wood finish. (See page 3 for example.)
- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required, please contact factory for info.
- Faux wood finish not applied to fixture top cap, housing and accessories. Not compatible with marine grade finish.
- GFI and CGF options are installed 15" above grade. GFI cover protrudes by 1.75" (45mm). CGF cover protrudes by 3.75" (95mm). LN601B-H39 only. 120V required for GFI or CGF.
- For LN602B, only the bottom light module will light up during emergency mode.

 For IDA certification compliance, luminaire must be ordered with 3000K or warmer.

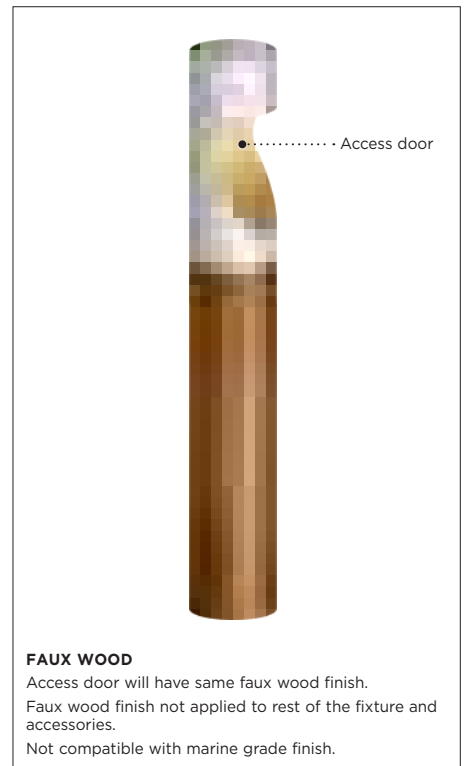
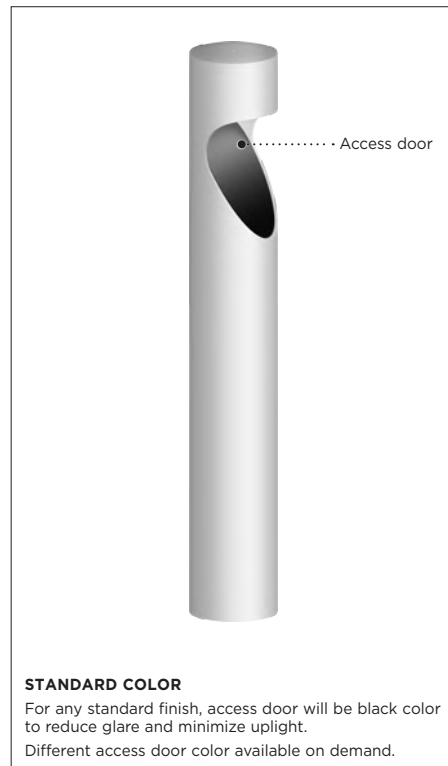


# LN601B/LN602B SERIES INLINE

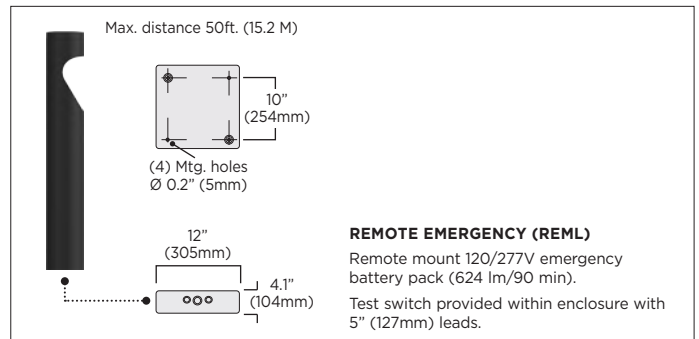
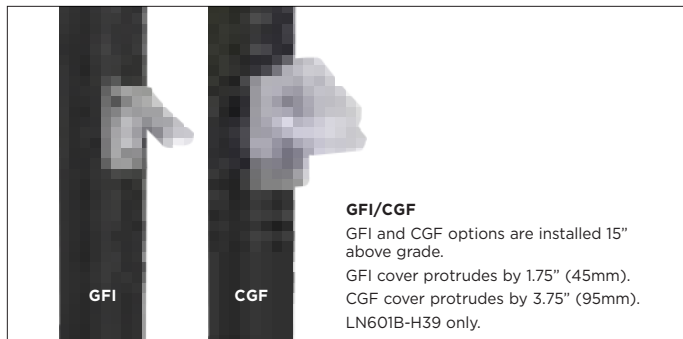
## MOUNTING INFORMATION



## FINISH DETAILS

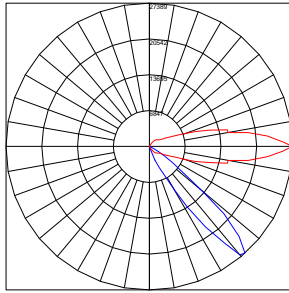


## ELECTRICAL DETAILS

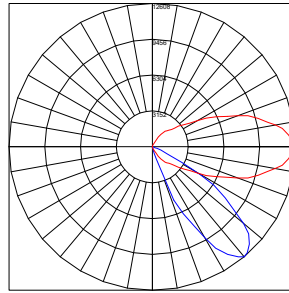


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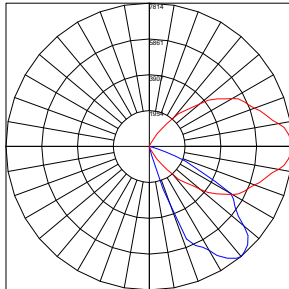
## TYPICAL PHOTOMETRY SUMMARY



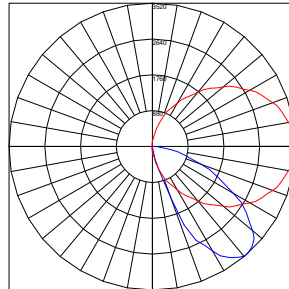
**Descriptive information**  
**LN601B-L1L40-R15**  
 Total Lms: 3939 lumens  
 Total input watts: 53 W  
 Efficacy: 74 Lumens/Watt  
 CCT/CRI: 4000K/80CRI  
 Maximum candela: 27389 @ 0°H/42.5°V  
 BUG: B0-U1-G0



**Descriptive information**  
**LN601B-L1L40-R30**  
 Total Lms: 4191 lumens  
 Total input watts: 53 W  
 Efficacy: 79 Lumens/Watt  
 CCT/CRI: 4000K/80CRI  
 Maximum candela: 12608 @ 0°H/40°V  
 BUG: B0-U1-G0



**Descriptive information**  
**LN601B-L1L40-R55**  
 Total Lms: 4065 lumens  
 Total input watts: 53 W  
 Efficacy: 77 Lumens/Watt  
 CCT/CRI: 4000K/80CRI  
 Maximum candela: 7814 @ 0°H/40°V  
 BUG: B0-U1-G0

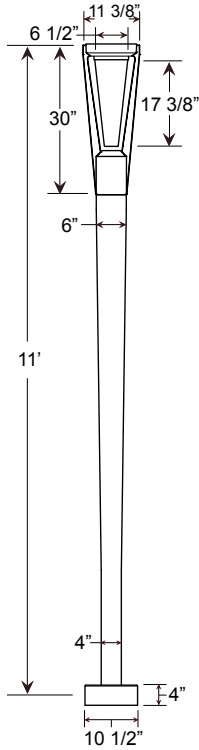


**Descriptive information**  
**LN601B-L1L40-TYP3**  
 Total Lms: 3185 lumens  
 Total input watts: 53 W  
 Efficacy: 60 Lumens/Watt  
 CCT/CRI: 4000K/80CRI  
 Maximum candela: 3520 @ 0°H/42.5°V  
 BUG: B0-U1-G1

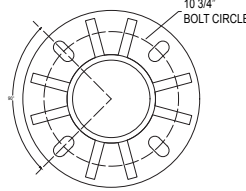
Please visit our web site [www.luminis.com](http://www.luminis.com) for complete I.E.S. formatted download data.







EPA: 0.97 w/Flat Lens  
1.50 w/Conical Drop Lens



**LC0122**  
**LED**

Project: \_\_\_\_\_  
 Fixture Type: \_\_\_\_\_ Quantity: \_\_\_\_\_  
 Customer: \_\_\_\_\_

**Specifications**

**Material:**  
All parts are durable 356 cast aluminum and high strength aluminum extrusion and heavy duty spinnings. All mounting hardware shall be stainless steel or zinc plated steel.

**Column:**  
6-inch diameter, aluminum, reverse tapered column.  
Wall thickness is 0.187"

**Lens:**  
Flat, opal white 0.125" thick, polycarbonate lens or conical, opal white, acrylic lens available.

**Mounting:**  
Standard anchor bolts are 3/4"x18"x4". Bolts, nuts and washers shall be hot dipped galvanized steel .

Bolt pattern diameter is 10 3/4".

**Drivers:**  
Universal voltage 120-277 is standard. 0-10V, TRIAC and ELV dimming to 1% is standard for all LED array sources. Dual channel, 0-10V dimming to 1% is standard for dynamic white sources.

See page 2 table for more LED engine and driver specifications.

**IP65**

**Electrical:**  
20kA max/10kA nominal surge protection device is standard.

**Certifications:**  
UL Listed for outdoor, wet location. IP65 rated; UL1598 Standard for Safety for Lighting Luminaires.

**Finish:**  
A polyester powder coat high quality finish is electro-statically applied and baked at 430° for exceptional durability and color retention. Products undergo an intensive five-step cleansing and pretreatment process for maximum paint adhesion.

Marine grade finish provides superior salt, humidity and UV protection. This coating withstands up to 3000 hours of continuous salt spray, comes with a 5-year warranty and is available in either a textured or gloss surface.

**Modifications:**  
Consult factory for custom or modified designs.

**Catalog Logic**

**LC0122** | **10** | **WF** | **A028LD7** | **T5** | **40K** | **EMG-LED06** | **72**

Light Column Series | Height | Lens | Light Source & Wattage | Optics | CCT | Accessories | Finish

Catalog Number	1	2	3	4	5	6	7
<b>LC0122</b>							

1	HEIGHT
08	(8 feet)
09	(9 feet)
10	(10 feet)
11	(11 feet)
12	(12 feet)
13	(13 feet)
14	(14 feet)

2	LENS
WF	(Flat, opal white polycarbonate) Only LED Array Light Source
WC	(Conical, opal white acrylic) Only LED COB Light Source

3	LIGHT SOURCE & WATTAGES
A010LD2	(10w LED Array)*
A018LD4	(18w LED Array)*
A028LD7	(28w LED Array)*
C010LD2	(10w LED COB)**
C018LD4	(18w LED COB)**
C028LD7	(28w LED COB)**
*LED ARRAY - FR Flat Lens Only	
**LED COB - WC Conical Lens Only	

4	OPTICS
T5	(Type V)

5	COLOR TEMPERATURE (CCT)
<b>LED Array &amp; COB</b>	
	27K (2700K)
	30K (3000K)
	35K (3500K)
	40K (4000K)

6	ACCESSORIES*
*IBOLT	(Eye Bolt)
*GFI15	(15 amp GFCI receptacle outlet)
*GFI20	(20 amp GFCI receptacle outlet)
*GFI-WPU	(20 amp GFCI receptacle w/weather proof in-use cover)
HLMSPC-06	(High-Low Motion Sensor/Photocell;
HLMSPC-10	(High-Low Motion Sensor/Photocell;
PC	(Button Photo Cell)
TLPC	(Twist Lock photo cell & receptacle)
TL5	(5-pin Twist Lock receptacle only)
TL7	(7-pin Twist Lock receptacle only)
EMG-LED06	(6w, LED Emergency Driver)
EMG-LED10	(10w, LED Emergency Driver)
EMG-LED16	(16w, LED Emergency Driver)
EMG-LED20	(20w, LED Emergency Driver)
*Accessory finish will match fixture finish.	

7	FINISHES					
*Premium and Marine Grade Finish have additional charges						
	Standard Colors	Standard Grade	Marine Grade*	Standard Colors	Standard Grade	Marine Grade*
	Aspen Green	10	10M	Architectural Bronze	51	51M
	Cantaloupe	11	11M	Patina Verde	52	52M
	Lilac	12	12M	Copper Clay	53	53M
	Putty	13	13M	Silver	56	56M
	Raw Unfinished	40	NA	Black Verde	61	61M
	Black	41	41M	Painted Chrome	70	70M
	Forest Green	42	42M	Painted Copper	71	71M
	Bright Red	43	43M	Textured Black	72	72M
	White	44	44M	Matte Black	73	73M
	Bright Blue	45	45M	Textured Architectural Bronze	76	76M
	Sunny Yellow	46	46M	Textured White	77	77M
	Aqua Green	47	47M	Textured Silver	78	78M
	Galvanized	49	NA		Premium Grade*	Marine Grade*
	Navy	50	50M	Carbon Graphite	96	96M
Consult Factory for additional paint charges and availability.						

Project: \_\_\_\_\_  
 Fixture Type: \_\_\_\_\_ Quantity: \_\_\_\_\_  
 Customer: \_\_\_\_\_

**LED ARRAY**

**PERFORMANCE WITH FLAT OPAL WHITE LENS**

LED System Wattage	CCT	Type V				Drive Current	
		Delivered Lumens	Lumens Per Watt	B	U G		
10W	2700K	921	92	1	3	1	250mA
	3000K	907	91	1	3	1	250mA
	3500K	924	92	1	3	1	250mA
	4000K	1031	103	1	3	1	250mA
18W	2700K	1659	92	1	3	1	450mA
	3000K	1633	91	1	3	1	450mA
	3500K	1662	92	1	3	1	450mA
	4000K	1855	103	1	3	1	450mA
28W	2700K	2535	92	1	3	1	700mA
	3000K	2495	91	1	3	1	700mA
	3500K	2541	92	1	3	1	700mA
	4000K	2835	103	1	3	1	700mA

**LED SPECIFICATION**

- 12 High-Power LED's, CREE XP-G3
- Color temp: 2700K, 3000K, 3500K and 4000K
- CRI: 2700K, 3000K and 3500K are 80CRI and 4000K is 70CRI
- Distribution: Type V
- PMMA Optical Lens
- RoHs Compliant

**DRIVER SPECIFICATION**

- Input Voltage: 120-277 Universal Voltage; (50/60Hz)
- Dimmable down to 1%
- 0-10V, TRIAC and ELV dimming protocols are standard
- Drive Current: 250mA, 450mA and 700mA
- Driver Efficiency > 80%; Power Factor > 0.90
- Operating temperatures: -30°C to 70°C
- IP64
- LED driver integral surge protection, ANSI C62.41 Category A
- UL, cUL, CE
- Lifetime: 50,000 hours

**LED COB**

**PERFORMANCE WITH CONICAL OPAL WHITE LENS**

LED System Wattage	CCT	Type V				Drive Current	
		Delivered Lumens	Lumens Per Watt	B	U G		
10W	2700K	955	96	0	3	1	250mA
	3000K	955	96	0	3	1	250mA
	3500K	955	96	0	3	1	250mA
	4000K	955	96	0	3	1	250mA
18W	2700K	1720	96	1	4	1	450mA
	3000K	1720	96	1	4	1	450mA
	3500K	1720	96	1	4	1	450mA
	4000K	1720	96	1	4	1	450mA
28W	2700K	2717	96	1	4	2	700mA
	3000K	2717	96	1	4	2	700mA
	3500K	2717	96	1	4	2	700mA
	4000K	2717	96	1	4	2	700mA

**LED SPECIFICATION**

- High Power LED COB, Cree CXB1820
- Color temp: 2700K, 3000K, 3500K and 4000K
- CRI: 80
- Distribution: Type V

**DRIVER SPECIFICATION**

- Input Voltage: 120-277 Universal Voltage; (50/60Hz)
- Dimmable down to 1%
- 0-10V, TRIAC and ELV dimming protocols are standard
- Drive Current: 250mA, 450mA and 700mA
- Driver Efficiency > 80%; Power Factor > 0.90
- Operating temperatures: -30°C to 70°C
- IP64
- LED driver integral surge protection, ANSI C62.41 Category A
- UL, cUL, CE
- Lifetime: 50,000 hours

**SURGE SUPPRESSION**

- A Surge Protection Device (SPD) is standard featuring a 20kA maximum discharge current 8/20µs Waveform (Imax); 10kA nominal discharge current 8/20µs Waveform (In) and thermally protected varistor technology.
- Meets IEEE C62.41.2 Location Category C High and US Dept of Energy MSSLC Model Spec.
- SPD shall be wired in series and will result in an open circuit during a fault state, resulting in the luminaire to turn off to protect system components thereby indicating SPD module replacement.

**WARRANTY**

See [www.ANPlighting.com](http://www.ANPlighting.com) for complete fixture warranty.  
 LED warranty information  
 • 5 year limited warranty\*  
 \*Limited Warranty: A typical year is defined as 4380 hours of operation

Project: \_\_\_\_\_  
Fixture Type: \_\_\_\_\_ Quantity: \_\_\_\_\_  
Customer: \_\_\_\_\_

**ACCESSORIES**



IBOLT



GFI15 & GFI20



GFI-WPU



HLMSPC-06 & HLMSPC-10



PC



TLPC



TL5 & TL7



EMG-LED



# WEDGE1 LED

## Architectural Wall Sconce

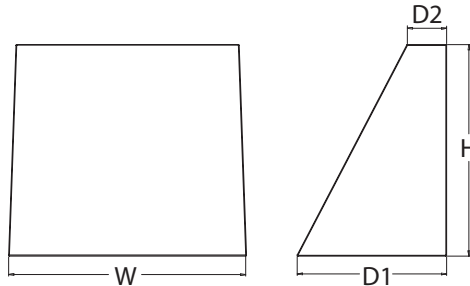


Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

### Specifications

- Depth (D1):** 5.5"
- Depth (D2):** 1.5"
- Height:** 8"
- Width:** 9"
- Weight:** 9 lbs  
(without options)



### Introduction

The WEDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing true site-wide solution.

WEDGE1 delivers up to 2,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of WEDGE1, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.

### WEDGE LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Sensor	Lumens (4000K)					
				P1	P2	P3	P4	P5	P6
WEDGE1 LED	4W	--	--	1,200	2,000	--	--	--	--
WEDGE2 LED	10W	18W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	--
WEDGE3 LED	15W	18W	Standalone / nLight	7,500	8,500	10,000	12,000	--	--
WEDGE4 LED	--	--	Standalone / nLight	12,000	16,000	18,000	20,000	22,000	25,000

### Ordering Information

**EXAMPLE:** WEDGE1 LED P2 40K 80CRI VF MVOLT SRM PE DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WEDGE1 LED	P1 P2	27K 2700K	80CRI	VF Visual comfort forward throw	MVOLT 347 <sup>2</sup>	<b>Shipped included</b> SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) <sup>5</sup>  <b>Shipped separately</b> AWS 3/8inch Architectural wall spacer PBBW Surface-mounted back box (top, left, right conduit entry) Use when there is no junction box available.
		30K 3000K	90CRI	VW Visual comfort wide		
		35K 3500K				
		40K 4000K				
		50K <sup>1</sup> 5000K				

Options	Finish
E4WH <sup>3</sup> Emergency battery backup, Certified in CA Title 20 MAEDBS (4W, 0°C min)	DDBXD Dark bronze
PE <sup>4</sup> Photocell, Button Type	DBLXD Black
DS Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details)	DNAXD Natural aluminum
DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	DWHXD White
BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points.	DSSXD Sandstone
BAA Buy America(n) Act Compliant	DDBTXD Textured dark bronze
	DBLTXD Textured black
	DNATXD Textured natural aluminum
	DWHGXD Textured white
	DSSTXD Textured sandstone

### Accessories

Ordered and shipped separately.

- WDGEAWS DDBXD WEDGE 3/8inch Architectural Wall Spacer (specify finish)
- WDGE1PBBW DDBXD U WEDGE1 surface-mounted back box (specify finish)

### NOTES

- 1 50K not available in 90CRI.
- 2 347V not available with E4WH, DS or PE.
- 3 E4WH not available with PE or DS.
- 4 PE not available with DS.
- 5 Not qualified for DLC. Not available with E4WH.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • [www.lithonia.com](http://www.lithonia.com)  
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WEDGE1 LED  
Rev. 11/21/22

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 the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1	10W	VF	1,120	112	0	0	0	1,161	116	0	0	0	1,194	119	0	0	0	1,227	123	0	0	0	1,235	123	0	0	0
		VW	1,122	112	0	0	0	1,163	116	0	0	0	1,196	120	0	0	0	1,229	123	0	0	0	1,237	124	0	0	0
P2	15W	VF	1,806	120	1	0	0	1,872	125	1	0	0	1,925	128	1	0	0	1,978	132	1	0	0	1,992	133	1	0	0
		VW	1,809	120	1	0	0	1,876	125	1	0	0	1,929	128	1	0	0	1,982	132	1	0	0	1,996	133	1	0	0

Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P1	10W	0.082	0.049	0.043	0.038	--
	13W	--	--	--	--	0.046
P2	15W	0.132	0.081	0.072	0.064	--
	18W	--	--	--	--	0.056

Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Dist. Type	Lumens
E4WH	VF	646
	VW	647

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 / 32°F	1.03
10°C / 50°F	1.02
20°C / 68°F	1.01
25°C / 77°F	1.00
30°C / 86°F	0.99
40°C / 104°F	0.98

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).

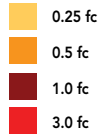
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.95	>0.91

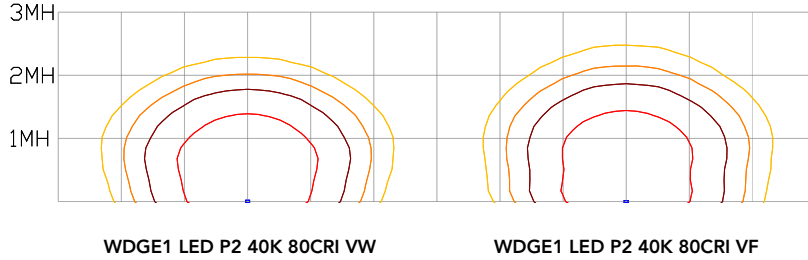
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.

LEGEND



MH = 8ft  
Grid = 8ft x 8ft



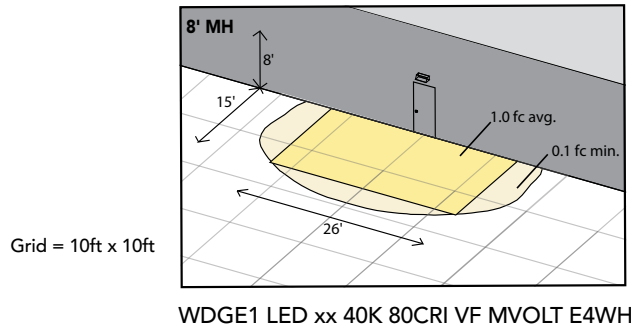
Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

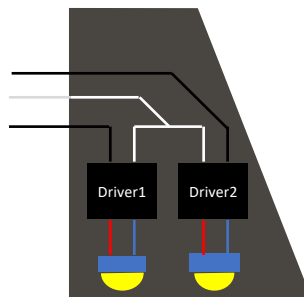
The example below shows illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E4WH and VF distribution.



Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark. This option is typically used with a back generator or inverter providing emergency power.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



## Mounting, Options &amp; Accessories

**E4WH – 4W Emergency Battery Backup**

D = 5.5"

H = 8"

W = 9"

**PBBW – Surface-Mounted Back Box**  
Use when there is no junction box available.

D = 1.75"

H = 8"

W = 9"

**AWS – 3/8inch Architectural Wall Spacer**

D = 0.38"

H = 4.4"

W = 7.5"

## FEATURES &amp; SPECIFICATIONS

**INTENDED USE**

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

**CONSTRUCTION**

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

**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, sandstone and white. Available in textured and non-textured finishes.

**OPTICS**

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WDGE LED 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 consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

**INSTALLATION**

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

**LISTINGS**

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. 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](http://www.designlights.org/QPL) 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 2700K and 3000K color temperature only and SRM mounting only.

**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](http://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](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

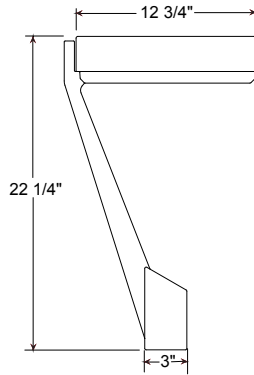
**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.





Specifications EQ111

Project: \_\_\_\_\_  
 Fixture Type: \_\_\_\_\_ Quantity: \_\_\_\_\_  
 Customer: \_\_\_\_\_



**Specifications**

**Material:**  
 All parts are durable 356 cast aluminum and heavy duty spun aluminum.  
 All hardware provided shall be stainless steel or zinc plated steel.

**Lens:**  
 Light Guide LED Panels feature a high transparency, dot matrix PMMA light guide with an optical efficiency up to 76%.

**Fixture Mounting:**  
**Post Top:** Standard Flush Mount Adapter System mounts to pole (0.120" - 0.188" wall) with no visible hardware.  
 Tenon mount for 3" or 4" poles is optional. See page 3 for fixture to pole transition.

**Wall Mount:** Tenon mount attached with six (6) 5/16-18 set screws.

**Drivers:**  
 Universal voltage 120-277 is standard.  
 0-10v dimming to 10% is standard for Light Guide LED.

See page 2 table for more LED engine and driver specifications.



**Electrical:**  
 20kA max/10kA nominal surge protection device is standard.

Approximately 12" of pull wire extends from luminaire. Additional pull wire provided for post mount arms and wall mounts.

**Finish:**  
 A polyester powder coat high quality finish is electro-statically applied and baked at 430° for exceptional durability and color retention. Products undergo an intensive five-step cleansing and pretreatment process for maximum paint adhesion.

Marine grade finish provides superior salt, humidity and UV protection. This coating withstands up to 3000 hours of continuous salt spray, comes with a 5-year warranty and is available in either a textured or gloss surface.

**Modifications:**  
 Consult factory for custom or modified designs.

**EQ111  
LED**

**Weight:** 17.1 lbs  
**EPA:** 0.53

**Catalog Logic**

EQ111 | 1 | E039LD | T5 | 40K | - PC - | WM1211 | - WM - | 72

Luminaire Series | Post Mount | Light Source & Wattage | Optics | CCT | Accessories | Optional Mounting Source | Fitter Mounting | Finish

Catalog Number	1	2	3	4	5	6	7	8
	EQ111	1						

**1 FIXTURE ORIENTATION**

1 Post
See page 3 for fixture to pole transition.

**2 LIGHT SOURCE & WATTAGES**

E030LD	(30w Light Guide LED)
E039LD	(39w Light Guide LED)
E046LD	(46w Light Guide LED)

**3 OPTICS**

T2	(Type II)
T3	(Type III)
T4	(Type IV)
T5	(Type V)

**4 COLOR TEMPERATURE (CCT)**

27K	(2700K)
30K	(3000K)
35K	(3500K)
40K	(4000K)

**5 ACCESSORIES**

HSS150-1	(150" House Side Shield)
HLMSPC-FM	(Integral high-low motion sensor plus photocell) See page 2 for specifications.
HLMSPC-06	(High-Low Motion Sensor/Photocell; 15" - 30" Sensor Mounting Height)
HLMSPC-10	(High-Low Motion Sensor/Photocell; 8" - 15" Sensor Mounting Height)
PC	(Button Photo Cell)
TLPC	(Twist Lock photo cell & receptacle)
TL5	(5-pin Twist Lock receptacle only)
TL7	(7-pin Twist Lock receptacle only)

**6 OPTIONAL POST/WALL MOUNTS**

Post Mount Arms *See Page 3 for Style/Size	
PA1211	(Select TN3 in Box 7)
PA1221	(Select TN3 in Box 7)
Wall Mount Arms *See Page 3 for Style/Size	
WM1211	(Select WM in Box 7)
WM1221	(Select WM in Box 7)

**7 FITTER MOUNTING (Must Select One)**  
 See page 4 for fixture to pole transition

FM3	(Flush mount adapter system for 3" OD Pole)
FM4	(Flush mount adapter system for 4" OD Pole)
TN3	(Tenon Mount for 3" OD Pole or Post Arms)
TN4	(Tenon Mount for 4" OD Pole or Post Arms)
WM	(Wall Mount Fitter)

**8 FINISHES**  
 \*Premium and Marine Grade Finish have additional charges

Standard Colors	Standard Grade	Marine Grade*	Standard Colors	Standard Grade	Marine Grade*
Aspen Green	10	10M	Architectural Bronze	51	51M
Cantaloupe	11	11M	Patina Verde	52	52M
Lilac	12	12M	Copper Clay	53	53M
Putty	13	13M	Silver	56	56M
Raw Unfinished	40	NA	Black Verde	61	61M
Black	41	41M	Painted Chrome	70	70M
Forest Green	42	42M	Painted Copper	71	71M
Bright Red	43	43M	Textured Black	72	72M
White	44	44M	Matte Black	73	73M
Bright Blue	45	45M	Textured Architectural Bronze	76	76M
Sunny Yellow	46	46M	Textured White	77	77M
Aqua Green	47	47M	Textured Silver	78	78M
Galvanized	49	NA	<b>PREMIUM FINISH</b>	<b>Premium Grade*</b>	<b>Marine Grade*</b>
Navy	50	50M	Carbon Graphite	96	96M

\*Consult Factory for additional paint charges and availability.

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Project: \_\_\_\_\_  
 Fixture Type: \_\_\_\_\_ Quantity: \_\_\_\_\_  
 Customer: \_\_\_\_\_

**LIGHT GUIDE**

**PERFORMANCE**

LED Wattage	CCT	CRI	Type II					Type III					Type IV					Type V					Drive Current				Nominal System
			Delivered Lumens	Lumens Per Watt	B	U	G	Delivered Lumens	Lumens Per Watt	B	U	G	Delivered Lumens	Lumens Per Watt	B	U	G	Delivered Lumens	Lumens Per Watt	B	U	G	Type II	Type III	Type IV	Type V	
30W	2700K	70	2966	99	1	0	1	3143	105	1	0	1	3346	112	1	0	1	3027	101	2	0	2	900mA	925mA	925mA	925mA	30w
	3000K	70	3064	102	1	0	1	3247	108	1	0	1	3457	115	1	0	1	3127	104	2	0	2	900mA	925mA	925mA	925mA	30w
	3500K	70	3113	104	1	0	1	3299	110	1	0	1	3512	117	1	0	1	3177	106	2	0	2	900mA	925mA	925mA	925mA	30w
	4000K	70	3211	107	1	0	1	3403	113	1	0	1	3623	121	1	0	1	3277	109	2	0	2	900mA	925mA	925mA	925mA	30w
39W	2700K	70	3855	99	2	0	2	4086	105	2	0	2	4350	112	2	0	2	3934	101	2	0	2	1150mA	1200mA	1200mA	1200mA	39w
	3000K	70	3983	102	2	0	2	4221	108	2	0	2	4494	115	2	0	2	4065	104	2	0	2	1150mA	1200mA	1200mA	1200mA	39w
	3500K	70	4047	104	2	0	2	4289	110	2	0	2	4566	117	2	0	2	4130	106	2	0	2	1150mA	1200mA	1200mA	1200mA	39w
	4000K	70	4174	107	2	0	2	4424	113	2	0	2	4710	121	2	0	2	4260	109	2	0	2	1150mA	1200mA	1200mA	1200mA	39w
46W	2700K	70	4513	98	2	0	2	4808	105	2	0	2	5177	113	2	0	2	4677	102	3	0	3	1360mA	1435mA	1435mA	1435mA	46w
	3000K	70	4662	101	2	0	2	4967	108	2	0	2	5348	115	2	0	2	4832	104	3	0	3	1360mA	1435mA	1435mA	1435mA	46w
	3500K	70	4737	103	2	0	2	5047	110	2	0	2	5433	118	2	0	2	4909	107	3	0	3	1360mA	1435mA	1435mA	1435mA	46w
	4000K	70	4886	107	2	0	2	5206	113	2	0	2	5604	122	2	0	2	5064	110	3	0	3	1360mA	1435mA	1435mA	1435mA	46w

**LED SPECIFICATION**

- Typical Efficacy is 98 - 122 lumens per watt
- Color temp: 2700K, 3000K, 3500K and 4000K
- CRI: 70
- Distribution: Type II, III, IV & V

**SURGE SUPPRESSION**

- A Surge Protection Device (SPD) is standard featuring a 20kA maximum discharge current 8/20µs Waveform (Imax); 10kA nominal discharge current 8/20µs Waveform (In) and thermally protected varistor technology.
- Meets IEEE C62.41.2 Location Category C High and US Dept of Energy MSSLC Model Spec.
- SPD shall be wired in series and will result in an open circuit during a fault state, resulting in the luminaire to turn off to protect system components thereby indicating SPD module replacement.

**WARRANTY**

See [www.ANPlighting.com](http://www.ANPlighting.com) for complete fixture warranty.

LED warranty information

- 5 year limited warranty\* on Light Guide engines
- 5 year limited warranty\* on LED Drivers

\*Limited Warranty: A typical year is defined as 4380 hours of operation. Failed defined as more than 10% of the total platform LED's not operating.

**DRIVER SPECIFICATION**

- 120 thru 277 Universal Voltage
- 50/60 HZ
- 0-10V dimming to 10%
- Minimum operating temperature: -30°C
- Drive Current: 900mA to 1435mA (model dependent)
- Driver Efficiency > 80%; Power Factor > 0.90
- Lifetime: 50,000 hours
- Integral Surge Protection in conformance to IP64
- UL, cUL, CE

**HIGH-LOW MOTION SENSOR**

- 0-10v configurable output set to 10%, 25% or 50% dimming
- Adjustable time delay
- 45° Detection
- Mounts Integral to fixture
- Lens available in white only
- Satisfies California Title 24

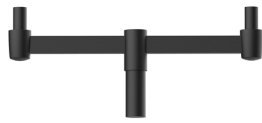
09302021

Project: \_\_\_\_\_  
 Fixture Type: \_\_\_\_\_ Quantity: \_\_\_\_\_  
 Customer: \_\_\_\_\_

**POST MOUNTS** - See Post Mount Section on Website for Specification Sheets and additional post mount arms.  
 Dimensions are Projection x Height.

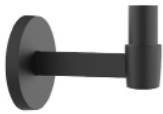


PA1211 / 36" x 7"



PA1221 / 40" x 7"

**WALL MOUNTS** - See Wall Mount Section on Website for Specification Sheets and additional wall mount arms.  
 Dimensions are Projection x Height.



WM1211 / 10 3/8" x 8"



WM1221 / 10 3/8" x 9 1/4"

**ACCESSORIES**



HSS150-1



HSS150-F11  
(field installable)



HLMSPC-FM



HLMSPC-06 & HLMSPC-10



PC

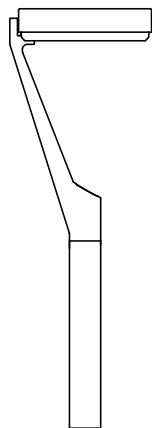


TLPC

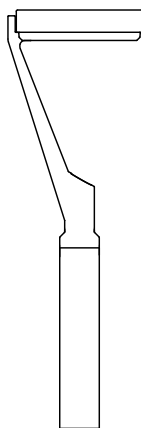


TL5 & TL7

**FIXTURE TO POLE TRANSITION WITH FLUSH MOUNT ADAPTER**

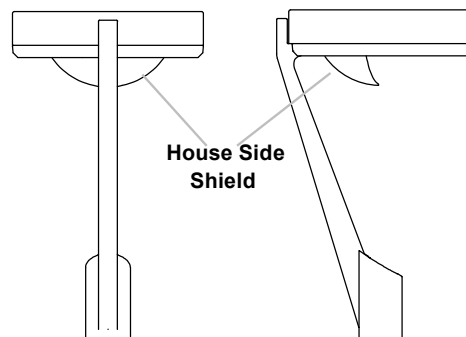


3" POLE



4" POLE

**FIELD INSTALLABLE HOUSE SIDE SHIELD**



House Side Shield

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1-800-548-3227  
 ANPlighting.com

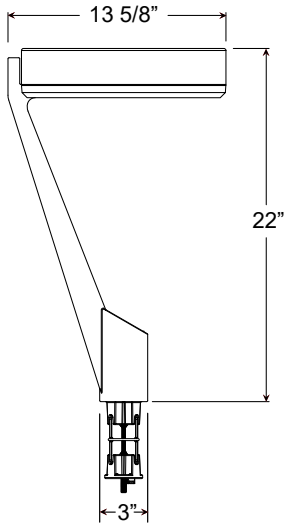
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Project: \_\_\_\_\_  
 Fixture Type: \_\_\_\_\_ Quantity: \_\_\_\_\_  
 Customer: \_\_\_\_\_

**POST TOP CONFIGURATIONS**

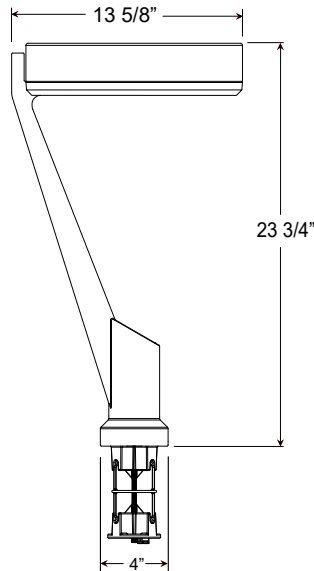
**FM3**

FLUSH MOUNT ADAPTER  
 Mounts to 3" OD Pole



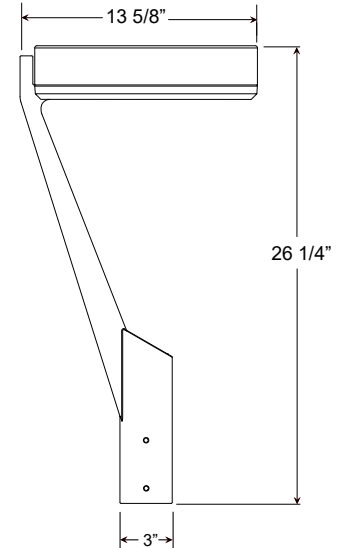
**FM4**

FLUSH MOUNT ADAPTER  
 Mounts to 4" OD Pole



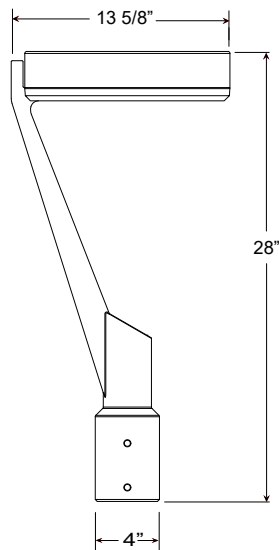
**TN3**

TENON MOUNT  
 Mounts to 3" OD Pole Provided  
 With 2 3/8" x 4" H Tenon



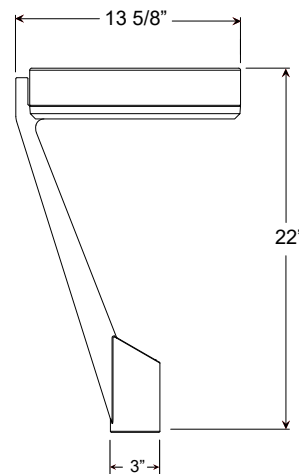
**TN4**

TENON MOUNT  
 Mounts to 4" OD Pole Provided  
 With 2 3/8" x 4" H Tenon



**WM**

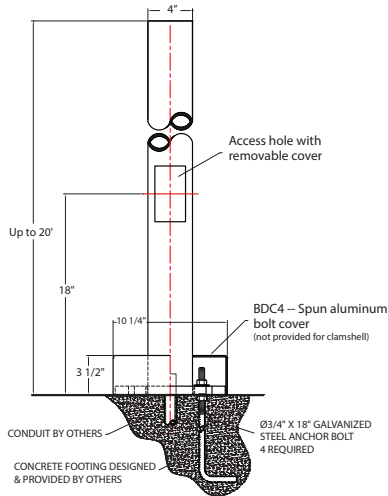
WALL MOUNT  
 Mounts to Wall Mount Arm Provided  
 with 2 3/8" x 3 1/4" H Tenon



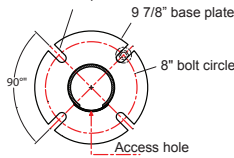
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Bolt Down Round Aluminum Smooth Poles



Mounting slot for Ø3/4" anchor bolt. 4 required



**MOUNTING DETAIL**

Various heights and fixture configurations may require a different bolt circle. Consult factory for specific bolt circle required.

**Material**

Aluminum pole bases and base plates shall be cast from 356 aluminum alloy. Shafts shall be extruded 6061-T6 aluminum. Available in 3", 4" or 5" diameter. Wall thickness 0.125" or 0.188" or 0.250.

**Mounting**

Four anchor bolts provided are 3/4"x18". Anchor bolts, nuts and washers are hot dipped galvanized steel. Spun aluminum bolt cover provided.

**Access**

All poles are provided with a hand access opening and cover. Hand hole cover is secured by two stainless steel machine screws. (Tamper-proof screws provided upon request).

**Grounding**

All poles are provided with an aluminum grounding lug integrated to inner wall of shaft, 180 degrees to hand hole. Grounding lug is drilled and tapped to accommodate 1/4"-20 stainless steel machine screw.

**Pole Height**

Maximum pole height is 20-feet.

**Accessories**

Banner arms, ladder rests, signage, flag pole holder and GFI receptacles are optional.

**Finish**

A polyester powder coat high quality finish is electro-statically applied and baked at 430° for exceptional durability and color retention. Products undergo an intensive five-step cleansing and pretreatment process for maximum paint adhesion. Marine grade finish provides superior salt, humidity, and UV protection. This coating withstands up to 3000 hours of continuous salt spray, comes with a 5-year warranty and is available in either a textured or gloss surface.

Project: \_\_\_\_\_  
 Fixture Type: \_\_\_\_\_ Quantity: \_\_\_\_\_  
 Customer: \_\_\_\_\_



Catalog Logic

**BD3S10.125** - **BAA** - **CCS1902** - **41**

Pole      Accessory      Clamshell      Finish

Catalog Number

1      2      3      4

See page 2 for more ordering info

1	Item Number	OD	Height	Wall	80 MPH	100 MPH
	BD3S3	3	3	0.125	10.10	6.20
	BD3S4	3	4	0.125	9.20	5.30
	BD3S5	3	5	0.125	8.00	4.70
	BD3S6	3	6	0.125	6.90	4.00
	BD3S7	3	7	0.125	6.00	3.00
	BD3S8	3	8	0.125	5.20	3.00
	BD3S9	3	9	0.125	4.50	2.60
	BD3S10	3	10	0.125	3.90	2.00
	BD3S11	3	11	0.125	3.40	1.70
	BD3S12	3	12	0.125	2.90	1.30
	BD4S3	4	3	0.125	27.60	17.50
	BD4S4	4	4	0.125	22.10	14.00
	BD4S5	4	5	0.125	19.90	12.60
	BD4S6	4	6	0.125	17.70	11.25
	BD4S7	4	7	0.125	16.00	10.10
	BD4S8	4	8	0.125	14.20	9.00
	BD4S9	4	9	0.125	12.00	7.60
	BD4S10	4	10	0.125	10.10	6.20
	BD4S11	4	11	0.125	8.80	5.30
	BD4S12	4	12	0.125	7.50	4.40
	BD4S13	4	13	0.125	6.00	3.50
	BD4S14	4	14	0.125	5.50	2.70
	BD4S5	4	5	0.188	33.10	21.00
	BD4S6	4	6	0.188	29.50	18.70
	BD4S7	4	7	0.188	27.60	16.80
	BD4S8	4	8	0.188	23.60	15.00
	BD4S9	4	9	0.188	20.00	12.60
	BD4S10	4	10	0.188	16.80	10.30
	BD4S11	4	11	0.188	14.60	8.80
	BD4S12	4	12	0.188	12.50	7.30
	BD4S13	4	13	0.188	10.00	5.80
	BD4S14	4	14	0.188	9.10	4.50
	BD4S15	4	15	0.188	8.10	3.60
	BD4S16	4	16	0.188	7.20	2.80
	BD5S6	5	6	0.125	30.00	19.30
	BD5S7	5	7	0.125	27.10	17.40
	BD5S8	5	8	0.125	24.00	15.50
	BD5S9	5	9	0.125	21.60	13.90
	BD5S10	5	10	0.125	19.20	12.40
	BD5S11	5	11	0.125	17.10	10.80
	BD5S12	5	12	0.125	15.00	9.30
	BD5S13	5	13	0.125	12.80	8.10
	BD5S14	5	14	0.125	11.50	7.00
	BD5S15	5	15	0.125	10.10	6.00
	BD5S16	5	16	0.125	8.80	5.10
	BD5S17	5	17	0.125	7.70	4.30
	BD5S18	5	18	0.125	6.80	3.60
	BD5S19	5	19	0.125	5.70	2.80
	BD5S20	5	20	0.125	4.70	2.20
	BD5S7	5	7	0.188	32.80	25.70
	BD5S8	5	8	0.188	29.30	22.80
	BD5S9	5	9	0.188	26.40	20.50
	BD5S10	5	10	0.188	23.50	18.20
	BD5S11	5	11	0.188	21.00	16.40
	BD5S12	5	12	0.188	18.60	14.60
	BD5S13	5	13	0.188	16.70	13.00
	BD5S14	5	14	0.188	14.80	11.40
	BD5S15	5	15	0.188	13.30	10.40
	BD5S16	5	16	0.188	11.80	9.00
	BD5S17	5	17	0.188	10.50	7.90
	BD5S18	5	18	0.188	9.20	6.80
	BD5S19	5	19	0.188	8.20	5.90
	BD5S20	5	20	0.188	7.20	5.00

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1-800-548-3227  
 ANPlighting.com

12/15/2017

Project: \_\_\_\_\_

Fixture Type: \_\_\_\_\_ Quantity: \_\_\_\_\_

Customer: \_\_\_\_\_



2 ACCESSORIES	
GF115	(15 amp GFCI receptacle outlet)
GF120	(20 amp GFCI receptacle outlet)
GF1-WPU	(20 amp GFCI receptacle with weather proof in-use cover)
BAA	(Cast Banner Arm A for 24" wide banner)
BAB	(Cast Banner Arm B for 30" wide banner)
BAC	(Cast Banner Arm C for 30" wide banner)
LR1	(Cast Ladder Rest 1)
LR3	(Cast Ladder Rest 3)
LR4	(Cast Ladder Rest 4)
LR5	(Cast Ladder Rest 5)
SIGN A	(Cast Sign A: 30" x 9", 8 letters/numbers on one line; requires Banner Arm to hang)
SIGN B	(Cast Sign B: 31" x 7", 12 letters/numbers on one line; requires Banner Arm to hang)
SIGN C	(Cast Sign C: 27" x 11", two rows of 8 letters/numbers on each line; requires Banner Arm to hang)
SIGN D	(Cast Sign D: 11" x 6 1/2", 4 letters/numbers on one line)
SIGN E	(Cast Sign E: comes with pole clamp, 24 1/2" x 6", 9 letters/numbers on one line)
FPH1	(Flag Pole Holder)
TP	(Tamper Proof Screws)
BDC	(Spun Aluminum Bolt cover)
SBDC	(Split Bolt Cover)

3 2-PIECE CLAMSHELLS			
CCS0300		CCS1302	
CCS0509		CCS1501	
CCS0701		CCS1502	
CCS0702		CCS1504	
CCS0900		CCS1509	
CCS1100		CCS1607	
CCS1201		CCS1608	
CCS1301		CCS1902	
		CCS2902	
		CCS2903	
		CCS5301	
		CCS5401	
		CCS5509	
		CCS6303	
		CCS6502	
		CCS9103	

4 FINISHES			
Standard Grade	Marine Grade	Standard Grade	Marine Grade
40	NA	53	100
41	101	56	109
42	102	61	106
43	114	70	118
44	107	71	105
45	112	72	108
46	123	73	125
47	120	76	121
49	NA	77	127
50	111	78	124
51	103	10	130
52	104	11	131
12	133	13	132

Consult factory for additional paint charges and availability

**SABER MINI SUSPENSION 0.6" ROUND**  
 24VDC 3W & 5W OUTDOOR/WET LOCATION, STATIC WHITE

ASSEMBLED IN AMERICA | US PATENT PENDING

REV 09.01.22



**DESCRIPTION**

Visually stimulating and housed within our proprietary optical silicone lens, the Saber Mini Suspension is Tension hung offering flexible installation options, and conceptual yet functional design. The suspension bends Up and Down giving it the unique ability to traverse open spaces wall to wall, wall to ceiling, and floor to ceiling. The 0.6" wide round lens, offers superior color quality and performance while creating uniform illumination without pixelation, using cutting edge remote phosphor technology. Offered in multiple, dimmable Static White Color Temperatures. Saber Mini is an IP66 rated wet location system featuring watertight barrel connections. System includes a pair of turnbuckles and aircraft cable. Remote power Supplies and Canopies sold separately. Includes a 5-year pro-rated warranty. Patent Pending. For custom designs and quotes, email our design team: [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com).

**LUMEN PERFORMANCE at 3000K 5W PER FOOT**

(Refer to page 2 for full lumen data)

LUMEN OUTPUT	354 lm/ft
EFFICIENCY	80 lm/watt
CRI	95
R9	59
BEAM ANGLE	160°
CCT TOLERANCE	+/- 30CCT

**SPECIFICATIONS**

DIMENSIONS	Height: 0.49" Width 0.60"
INPUT	120/277V
POWER SUPPLIES	Remote 24VDC
POWER CONSUMPTION	3.3 or 4.4 watts per foot
INCREMENTS	1'
MAX LENGTH	3W-Up to 60' with power feeds at both ends, 30', with one feed 5W - Up to 40' with power feeds at both ends, 20' with one feed
REQUIRED COMPONENTS	Power Supplies & Power Cables
MATERIAL	Optical Silicone
OPERATING TEMPERATURE	-40° F (-40° C) to 122° F (+50° C)
AVERAGE LED LIFE	50,000 hrs
WARRANTY	5 Year pro-rated
COMPLIANCE	Class 2 Wiring, Outdoor Wet Location with Water Tight Barrel Connectors, IP66 Rated, ETL listed, RoHS

**REMOTE POWER SUPPLIES\* & CONTROLS (SOLD SEPARATELY)**  
 24VDC, Class 2 wiring

**OUTDOOR**

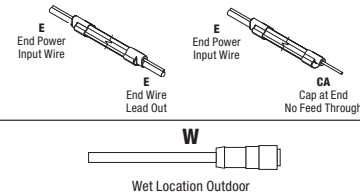
- [Pure Smart™ WiZ Pro Power Supplies & Controls](#)
- [UNI Driver: Universal Dimming \(TRIAC, ELV, 0-10V\)](#)

**INDOOR**

- [Pure Smart™ WiZ Pro Power Supplies & Controls](#)
- [UNI Driver: Universal Dimming \(TRIAC, ELV, 0-10V\)](#)



**Wet Location End Cap with Aircraft Cable**



**POWER FEED ONE END ONLY**

System	Model Shape	Wattage	Length in Feet	Color Temperature	5" Input Wire Feed	Output Wire	Environment
<b>FN</b>	<b>SMCS6</b>	<b>5W</b>	<b>20</b>	<b>27KZ</b>	<b>E</b>	<b>CA</b>	<b>W</b>
FN Flex Neon 24V	SMCS6 Saber Mini Suspension .6"	3W 3.3 watts per foot 5W 4.4 watts per foot	3W - Up to 30' with power feed at one end 5W - Up to 20' with power feed at one end	24KZ 2400K Very Warm White 27KZ 2700K Incandescent White 30KZ 3000K Warm White 35KZ 3500K Neutral White 40KZ 4000K Cool White	E End Power Input Wire	CA Cap at end, no feed through	W Outdoor wet location Barrel Connector cable leads

**POWER FEED BOTH ENDS**

System	Model Shape	Wattage	Length in Feet	Color Temperature	5" Input Wire Feed	Output Wire	Environment
<b>FN</b>	<b>SMCS6</b>	<b>5W</b>	<b>20</b>	<b>27KZ</b>	<b>E</b>	<b>E</b>	<b>W</b>
FN Flex Neon 24V	SMCS6 Saber Mini Suspension .6"	3W 3.3 watts per foot 5W 4.4 watts per foot	3W - Up to 31-60' with power feed at both ends 5W - Up to 21-40' with power feed at both ends	24KZ 2400K Very Warm White 27KZ 2700K Incandescent White 30KZ 3000K Warm White 35KZ 3500K Neutral White 40KZ 4000K Cool White	E End Power Input Wire	E End Wire Lead Out	W Outdoor wet location Barrel Connector cable leads

PROJECT		FIXTURE TYPE		DATE	
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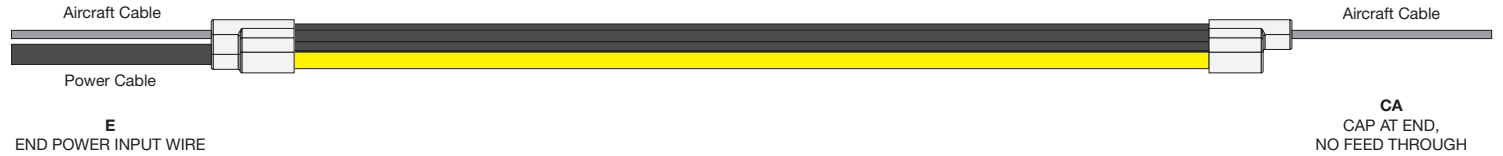
**SABER MINI SUSPENSION 0.6" ROUND**  
 24VDC 3W & 5W OUTDOOR/WET LOCATION, STATIC WHITE

**Lamp Data**

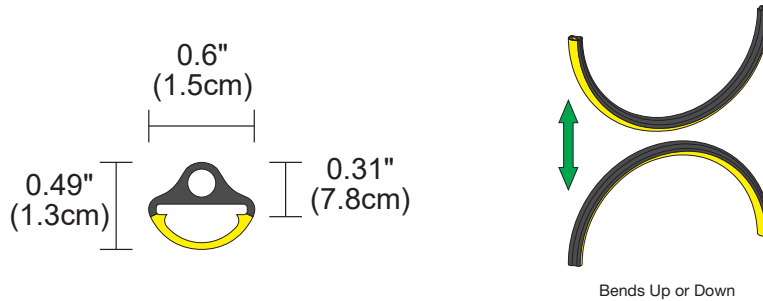
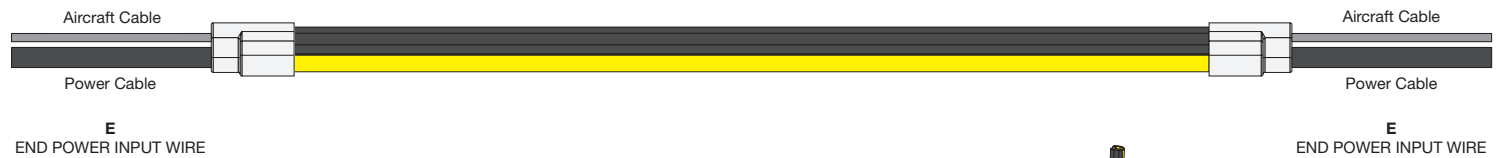
WATTS PER FOOT	STATIC WHITE									
	3W (3.3 watts)					5W (4.4 watts)				
COLOR TEMPERATURE	24KZ	27KZ	30KZ	35KZ	40KZ	24KZ	27KZ	30KZ	35KZ	40KZ
LUMENS PER FOOT (lm/ft)	198	210	282	283	305	248	264	354	355	383
LUMENS PER WATT (lm/w)	60	64	85	86	92	56	60	80	81	87
CRI	90+	95+	95+	85+	85+	90+	95+	95+	85+	85+

**Drawings**

**POWER FEED ONE END ONLY**



**POWER FEED BOTH ENDS**



**LENGTH CHART** Actual lengths for Mini Saber Suspension SMCS6

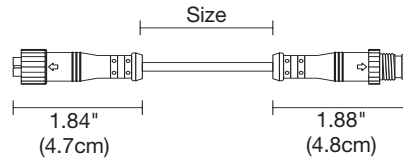
LENGTH CHART							
Ordering Code (Nominal Size)	Actual Length (Inches)	Ordering Code (Nominal Size)	Actual Length (Inches)	Ordering Code (Nominal Size)	Actual Length (Inches)	Ordering Code (Nominal Size)	Actual Length (Inches)
1	12.75	11	132.75	21	252.75	31	372.75
2	24.75	12	144.75	22	264.75	32	384.75
3	36.75	13	156.75	23	276.75	33	396.75
4	48.75	14	168.75	24	288.75	34	408.75
5	60.75	15	180.75	25	300.75	35	420.75
6	72.75	16	192.75	26	312.75	36	432.75
7	84.75	17	204.75	27	324.75	37	444.75
8	96.75	18	216.75	28	336.75	38	456.75
9	108.75	19	228.75	29	348.75	39	468.75
10	120.75	20	240.75	30	360.75	40	480.75

PROJECT	FIXTURE TYPE	DATE
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# FLEX NEON OUTDOOR ACCESSORIES AND J-BOXES

24VDC 3W & 5W OUTDOOR/WET LOCATION, STATIC WHITE

REV 09.01.22



## POWER CABLE CONNECTOR WET LOCATION (REQUIRED)

The flexible 4 conductor power cable connector is designed to work in outdoor environments for safe and reliable connections. This Flexible Connector is easy to install and configure, helping you create innovative lighting designs in an outdoor commercial or residential space.

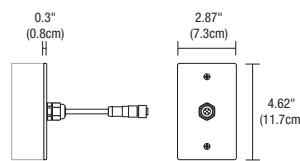
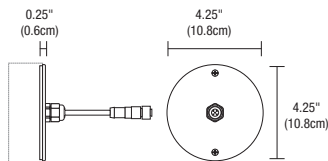
Product	Type	Size	Option
<b>SS</b>	<b>CFX</b>	<b>12IN</b>	<b>W</b>
SS Soft Strip and Flex Neon	CFX Flexible 4 Wire Connector	12IN 12" 96IN 96"	W Wet Location



## CANOPY (ORDER SEPARATELY)

Outdoor canopy with 8ft outdoor barrel connector power feed, may be cut on job site.

System	Type	Canopy	Finish
<b>OC8P</b>	<b>CFX</b>	<b>RD</b>	<b>ZN</b>
OC8P Outdoor Canopy with 8' outdoor Power cable	CFX Flexible 4 Wire Cable with Barrel Connector for Static White and Tunable LEDs	RD Round Cover, 1 gauge 4.125" RE Rectangle Cover, 1 gauge 2.8" x 4.5"	ZN Zinc



## WET LOCATION JUNCTION BOX WITH 6" POWER CABLE

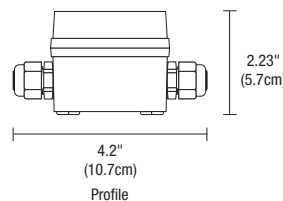
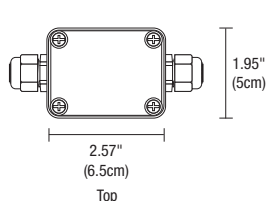
This watertight, multi-fixture Junction Box is especially designed for lighting in wet and damp locations. It is versatile, rugged and simple to install. The Junction Box comes standard with a 6" four wire flexible cable with both male and female barrel connectors providing easy, safe, and reliable connections for 24V low voltage luminaires. This box is approved for indoor and outdoor usage and complies with all the requirements of UL1241 and the National Electric Code.



Product	Canopy	Product	Size	Option
<b>SS</b>	<b>2RE</b>	<b>JBOX</b>	<b>6IN</b>	<b>W</b>
SS Soft Strip	2RE 2" Rectangle	JBOX Junction Box	6IN 6" Four Wire Connection	W Wet Location

## WET LOCATION JUNCTION BOX

Wet-rated low voltage Splice Box with connectors.



Product	Type	Option
<b>2RE</b>	<b>JBOX</b>	<b>W</b>
2RE 2" Rectangle	JBOX Junction Box	W Wet Location

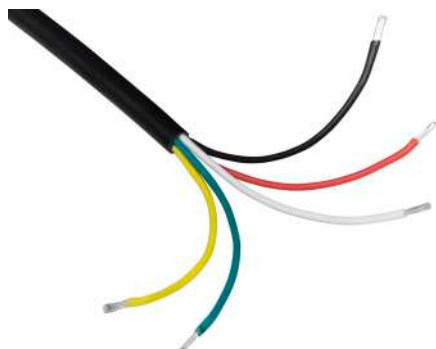
PROJECT	FIXTURE TYPE	DATE
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**FLEX NEON OUTDOOR ACCESSORIES AND J-BOXES**

24VDC 3W & 5W OUTDOOR/WET LOCATION, STATIC WHITE

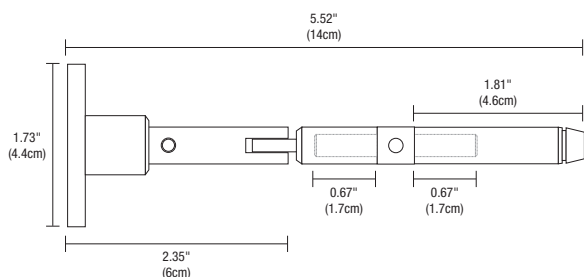
REV 09.01.22



**WET AND DAMP LOCATION CABLE ORDER PER FOOT**

Our Wet Location, 5 Conductor, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in indoor and outdoor wet and damp environments. Cable sold by the foot, simply specify the length needed by the foot. Keep within 50 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.

Product	Gauge	Cable
<b>0C</b>	<b>14G</b>	<b>5C</b>
<b>0C</b> Outdoor Cable	<b>14G</b> 14 Gauge	<b>5C</b> 5 Conductor



**PAIR OF TURNBUCKLES AND AIRCRAFT CABLE (INCLUDED)**

The Slim-Profile Turnbuckles hold the tension of the aircraft cable running through the silicone Saber Mini tube with LED strip. 6' stainless steel aircraft cable included.

Product	Finish
<b>SABT</b>	<b>PN</b>
<b>SABT</b> Saber Line Turnbuckle	<b>PN</b> Polished Nickel

**AIRCRAFT CABLE (INCLUDED WITH AN EXTRA 6')**



Product	Type	Length
<b>ACBL</b>	<b>SAB</b>	<b>50FT</b>
<b>ACBL</b> Aircraft Cable for Saber	<b>SAB</b> Saber	10ft to 50ft lengths

PROJECT	FIXTURE TYPE	DATE
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# TM30 DATA

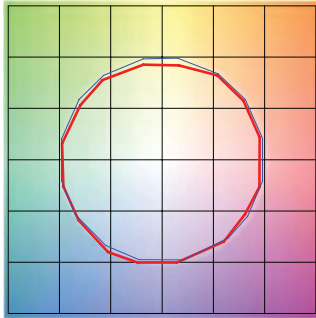
24VDC 3W & 5W OUTDOOR/WET LOCATION, STATIC WHITE

REV 09.01.22

**TM-30-15 DATA:** The data below is for Lazer Strip bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

**2400K** | Rf: 91.2 | Rg: 96.8

Color Vector Graphic

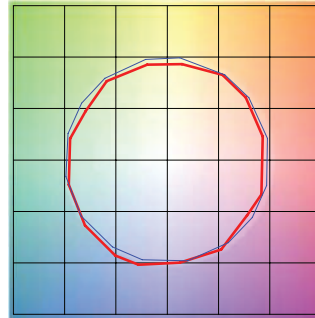


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	92.0	-2.4%	1.5%
2	94.7	-2.1%	0.0%
3	95.4	-1.9%	-0.1%
4	88.7	-6.7%	-3.1%
5	92.8	-5.6%	1.0%
6	92.7	-3.4%	3.4%
7	89.9	-4.3%	4.1%
8	92.4	-1.4%	4.4%
9	89.0	-0.6%	5.8%
10	88.9	0.4%	6.2%
11	89.7	4.0%	5.4%
12	92.6	3.0%	-0.7%
13	90.9	1.1%	-7.0%
14	89.9	0.5%	-5.8%
15	92.1	-3.2%	0.1%
16	88.9	-1.7%	-6.3%

**2700K** | Rf: 87.7 | Rg: 96.1

Color Vector Graphic

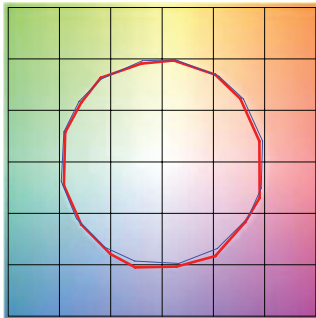


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.0	-4.3%	2.6%
2	91.6	-2.4%	2.0%
3	93.7	-1.4%	1.9%
4	88.9	-5.6%	-3.1%
5	92.3	-5.5%	-0.5%
6	92.9	-3.5%	0.1%
7	84.5	-7.5%	4.6%
8	90.8	-3.0%	4.4%
9	84.5	-1.3%	8.3%
10	83.9	2.0%	9.8%
11	87.2	5.3%	7.1%
12	89.2	5.4%	-2.6%
13	88.7	0.3%	-7.8%
14	86.8	1.7%	-9.3%
15	87.6	-5.4%	-1.3%
16	83.6	-3.3%	-9.5%

**3000K** | Rf: 88.1 | Rg: 99.7

Color Vector Graphic

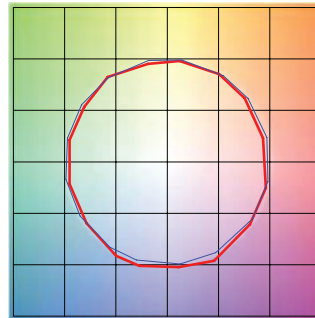


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	92.5	-3.1%	0.3%
2	93.3	-2.3%	1.9%
3	90.9	-0.8%	3.9%
4	94.3	-1.1%	1.4%
5	92.5	-2.6%	1.5%
6	96.4	1.2%	-0.3%
7	92.6	-2.5%	-0.0%
8	96.9	-1.4%	0.2%
9	92.3	-1.8%	4.3%
10	86.6	-0.7%	7.0%
11	86.5	2.4%	8.2%
12	89.8	5.9%	1.7%
13	93.9	2.6%	-2.7%
14	89.4	5.1%	-5.8%
15	90.1	-0.1%	-4.7%
16	86.5	0.3%	-9.7%

**3500K** | Rf: 86.1 | Rg: 95.5

Color Vector Graphic



■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.8	-3.8%	0.3%
2	92.3	-2.8%	2.1%
3	89.7	-1.0%	4.3%
4	92.6	-1.4%	1.7%
5	91.8	-3.1%	1.3%
6	96.2	0.8%	-0.4%
7	92.9	-3.2%	0.2%
8	94.3	-2.5%	1.5%
9	90.4	-2.5%	5.2%
10	84.3	-1.4%	9.5%
11	83.1	3.5%	9.8%
12	88.2	4.8%	3.4%
13	94.0	2.7%	-2.0%
14	88.7	5.9%	-5.8%
15	88.7	0.7%	-5.9%
16	86.8	-0.7%	-6.7%

PROJECT	FIXTURE TYPE	DATE
---------	--------------	------



PROFESSIONAL  
OUTDOOR LIGHTING

Type:

Model:

Project:

## SPECIFICATION SHEET

### MODEL 4014 Landscape Series • Specialty Lights

#### FIXTURE SPECIFICATIONS:

**HOUSING:**

Heavy gauge extruded aluminum.

**STEM:**

Heavy gauge, adjustable, nickel plated stainless steel tubing.

**FINISH:**

Black polyester powder-coat finished housing & base with black UV resistant PVC incased stem.

**SOCKET/LAMP HOLDER:**

Top grade ceramic socket with nickel contacts, stainless steel springs, & Teflon-jacketed wire leads.

**LENS:**

Shock & heat resistant soda-lime glass lens.

**LAMP TYPE:**

- MR-16 Halogen – 20W maximum. LN-20 BAB (20W) Standard.
- MR-16 LED Lamp - 36° Flood, 4.5W is standard.

**MOUNTING:**

Bottom of stem threaded into CNC-machined solid aluminum mounting canopy.

**FASTENERS:**

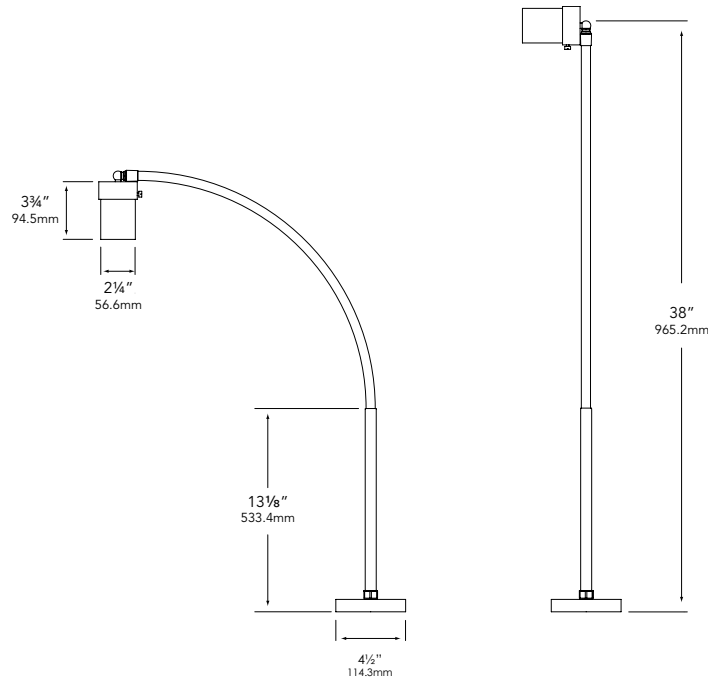
All fasteners are stainless steel.

**WIRING:**

Prewired with a 3' pigtail of 18-2 direct-burial cable & underground connectors for a secure connection to supply cable. Optional hardwired on/off switch available.

All Vista luminaires are **MADE IN U.S.A.**

#### DIMENSIONS:



Vista Professional Outdoor Lighting reserves the right to modify the design and/or construction of the fixture shown without further notification.

1625 Surveyor Avenue • Simi Valley, CA 93063 • (805) 527-0987 • (800) 766-VISTA (8478)  
FAX: (888) 670-VISTA (8478) • email@vistapro.com • www.vistapro.com



PROFESSIONAL  
OUTDOOR LIGHTING

## SPECIFICATION SHEET

### MODEL 4014 Landscape Series • Specialty Lights

#### FIXTURE ORDERING INFORMATION

TO ORDER FIXTURE: Select appropriate choice from each column as in the following example.

**EXAMPLE: FL-4014-B-BAB-SL**

MOUNTING	MODEL	FINISH	LAMP	ACCESSORIES
FL - Flexible stem with solid CNC-machined aluminum mounting base	4014	B - Black	MR-16 Halogen 20W maximum LN-20 BAB (20W) Standard  LED MR-16 4.5 W LN16-4.5-W-36-LED  <i>(Please see lamp order code column on lamp guide, Vista product catalog.)</i>	BL - Flat Cool Blue lens SL - Flat Spread lens FR - Flat Frosted lens DBL - Flat Dark Blue lens GL - Flat Dark Green lens RL - Flat Red lens YL - Flat Amber lens

Fixtures shipped with standard lamp, unless otherwise specified.

*Vista Professional Outdoor Lighting reserves the right to modify the design and/or construction of the fixture shown without further notification.*

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FAX: (888) 670-VISTA (8478) • email@vistapro.com • www.vistapro.com

4014 05.22.19

VISTA LANDSCAPE LIGHTING

# HIGH-PERFORMANCE LED LAMPS

MADE IN AMERICA SPECIFICALLY FOR LANDSCAPE LIGHTING APPLICATIONS

Vista has developed a new LED lamp concept "from the ground up" that incorporates revolutionary patent-pending features that provide innovative performance advantages in outdoor environments. Outdoor applications have temperature and humidity extremes rarely encountered in indoors.

Vista's engineers tested hundreds of "indoor" lamps being offered to the landscape market and concluded that very few would offer the lifespan and long-term performance demanded by professionals.

Vista's new LED lamps will enable you to upgrade any existing landscape lighting installation to the energy-saving benefits of LED without sacrificing performance, longevity or quality of light.



# ORDER FACTORY-INSTALLED OR RETROFIT IN THE FIELD

## AVAILABLE IN YOUR FAVORITE VISTA FIXTURES

Your favorite Vista up-and-accent, in-ground, path-and-spread, brick/step and specialty fixtures are available with Vista's new LED lamps as a factory-installed option. Enjoy the industry's broadest selection of American-made fixture styles in energy-saving LED. Simply add the part number of the lamp to the fixture model number.

## INDIVIDUAL RETROFIT LAMPS

Upgrade any existing landscape lighting installation to the energy-saving benefits of LED. Optics and light output meet or exceed halogen performance for customer-pleasing results. Huge opportunities to help thousands of existing installations "go green."



MR-16 LED

MR-11 LED

T3 LED

## ENGINEERED FOR OUTDOOR LIGHTING SPECIFICALLY FOR USE IN EXTERIOR LIGHTING FIXTURES



### INNOVATIVE UNITIZED CONSTRUCTION

This forward-thinking design seals the LED board and driver in the corrosion-resistant thermo-composite body during the molding process. This environmentally isolates the critical components and avoids the complex multiple part-on-part construction of common aluminum LED lamps; eliminating fasteners, screws, glues, thermo grease and hand assembly. Composite material also helps prevent potential electrolysis that could occur when an aluminum lamp is used in certain copper or brass fixtures.

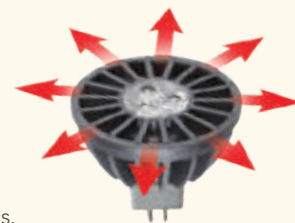


### DRAMATIC ENERGY SAVINGS

4.5W MR-16 lamp replaces 20W halogen, 5.5W MR-16 lamp replaces 35 watt halogen. 2.5W MR-11 and T3 lamps replace 20W halogen. Low wattage draw allows more lamps per cable and transformer. Easily add new fixtures to existing wiring when converting to LED.

### EYE-APPEALING, PRECISE LIGHT

Warm white, rated at 2950K with consistent color from lamp to lamp, with high performance optics. Choice of 15, 25, 36, 50 and 60 degree beam spreads for MR-16 and MR-11 LEDs. LED T3 includes 360 degree side emitting optics.



### ADVANCED THERMAL MANAGEMENT

Achieving long life requires the ability to dissipate heat effectively away from the LEDs and driver, even in a sealed fixture. Using a patent-pending thermal management that features a thermo-composite heat sink design, the Vista LED lamps can operate up to 25 degrees cooler than standard LED aluminum lamps.

## VISTA HIGH-PERFORMANCE LED COMPARISON GUIDE

Model	Vista High-Performance LED Lamps						Halogen Equivalent			Savings	
	Wattage	Lumens	Beam Angle	CRI	Life (Hrs)	Annual Operating Cost	Wattage	Life (Hrs)	Annual Operating Cost	Annual Savings Per Lamp	Extended Lamp Life (Hours)
LN16-4.5-W-15°-LED	4.5	255	15°	82	35,000	\$1.97	20	5,000	\$8.76	\$6.79	30,000
LN16-4.5-W-25°-LED	4.5	255	25°	82	35,000	\$1.97	20	5,000	\$8.76	\$6.79	30,000
LN16-4.5-W-36°-LED	4.5	267	36°	82	35,000	\$1.97	20	5,000	\$8.76	\$6.79	30,000
LN16-4.5-W-60°-LED	4.5	255	60°	82	35,000	\$1.97	20	5,000	\$8.76	\$6.79	30,000
LN16-5.5-W-15°-LED	5.5	335	15°	82	35,000	\$2.41	35	5,000	\$15.33	\$12.92	30,000
LN16-5.5-W-25°-LED	5.5	355	25°	82	35,000	\$2.41	35	5,000	\$15.33	\$12.92	30,000
LN16-5.5-W-36°-LED	5.5	364	36°	82	35,000	\$2.41	35	5,000	\$15.33	\$12.92	30,000
LN16-5.5-W-60°-LED	5.5	352	60°	82	35,000	\$2.41	35	5,000	\$15.33	\$12.92	35,000
LN11-2.5-W-15°-LED	2.5	200	15°	82	30,000	\$1.10	20	2,000	\$8.76	\$7.67	28,000
LN11-2.5-W-25°-LED	2.5	200	25°	82	30,000	\$1.10	20	2,000	\$8.76	\$7.67	28,000
LN11-2.5-W-36°-LED	2.5	200	36°	82	30,000	\$1.10	20	2,000	\$8.76	\$7.67	28,000
LN11-2.5-W-60°-LED	2.5	200	60°	82	30,000	\$1.10	20	2,000	\$8.76	\$7.67	28,000
LNT3-2.5-W-S-LED	2.5	170	NA	80	30,000	\$1.10	20	2,000	\$8.76	\$7.67	28,000
LNT3-2.5-W-D-LED	2.5	170	NA	80	30,000	\$1.10	20	2,000	\$8.76	\$7.67	28,000

Note: Operating cost based on \$0.12/kwh and 3650 hours of operation.



## FEATURES & SPECIFICATIONS

- **Designed & Manufactured in USA** – exclusively for Vista Professional Outdoor Lighting.
- **Up to 80% Energy Savings** over standard halogen lamps. Low wattage draw allows more lamps per cable and transformer. Add new fixtures to existing wiring when converting to LED.
- **35,000 hour lamp life** – reduces maintenance, annual re-lamping and lamp replacement costs. 5 year warranty.
- **Operating Voltage** – 9V to 15V (AC/DC), virtually eliminates voltage drop concerns.
- **Dimmable** – with most magnetic transformers.
- **Wattage:** 4.5W lamp replaces 20W halogen, 5.5W lamp replaces 35 watt halogen.
- **Precision optics** - choice of 25, 36 and 60 degree beam spreads.
- **Eye-appealing warm white light** – designed to closely match the performance of MR-16 halogen lamps, rated at 3000K, consistent color from lamp to lamp. Allows for mixing with other halogen fixtures on the same project.
- **Advanced Thermo Composite design** – Corrosion-resistant material reliably dissipates heat for long life. Effectively eliminates unsafe electrolysis when aluminum lamp comes in contact with certain copper or brass fixtures.
- **Green design** – RoHS Compliant, mercury free, fully recyclable.



LANDSCAPE  
LIGHTING



AMERICAN MADE

Vista Professional Outdoor Lighting (805) 527-0987 [www.VistaPro.com](http://www.VistaPro.com)

LT1624 (5/16)

LineLED LL Series Wet Tube | IP65, IP67, & IP68 rated Linear LED strip - 24V



Features

LineLED Wet Tube is a small profile, energy efficient LED strip for IP65, IP67, and IP68 rated wet installations. LineLED Wet Tube offers excellent color quality with CRI and R9 values up to 97 as well as multiple output options and a wide angle 120° beam. With a durable but flexible circuit board, LineLED Wet Tube is also easy to install.

To maintain IP65, IP67, and IP68 rating, LineLED Wet Tube is factory sealed and bonded. Order in exact lengths required for install, LineLED Wet Tube is not field cuttable. IP rating of strip is equal to the lowest IP rating of section start and end options.



Mounting

LED strip is equipped with 3M™ adhesive transfer tape (9472LE).

Applications

Outdoor and wet locations - cove lighting, architectural accent, handrail, wet bars

Approvals

IP65, IP67, and IP68 rated

Operating voltage

24 VDC

Life (L70)

50,000 hours

Warranty

3 years



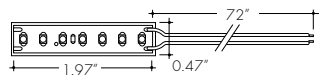
Technical information

TYPE	LL42-WET-T		
OUTPUT OPTIONS	SO	HO	VHO
Lumens Output (3000K)	119 lm/ft	200 lm/ft	290 lm/ft
Average Power Consumption (for a 4' section)	1.4 W/ft	2.4 W/ft	3.6 W/ft
Efficacy	85 lm/W	83 lm/W	81 lm/W
Cutting Increment (in)	1.97"		
Pitch Length	0.28"		
Max Run Length (in series)	55 ft	45 ft	35 ft
Dimensions	0.47"W x 0.24" H		

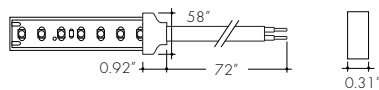
CCT	Multiplier (reference - 3000K)	TM-30			
		CRI	R <sub>f</sub>	R <sub>g</sub>	R <sub>9</sub>
2700K	0.76	97	96	101	91
3000K	1.00	97	95	104	97
3500K	1.02	97	94	105	97
4100K	1.12	97	90	99	97

Section Start/End Options

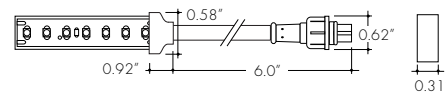
**SL65**  
72" Soldered Leads, IP65 rated



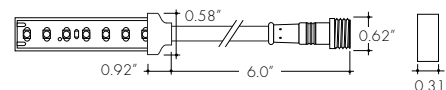
**SL68**  
72" Soldered Leads, IP68 rated



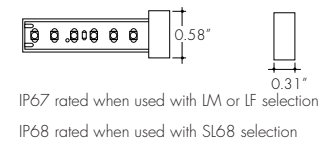
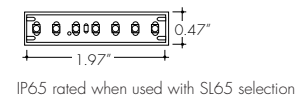
**LF**  
Female Quick Connect End, IP67 rated



**LM**  
Male Quick Connect End, IP67 rated



**NC**  
No Connector



Ordering code

MODEL	OUTPUT	CCT	SECTION START <sup>1</sup>	SECTION END <sup>1</sup>	LENGTH
LL42WET-T-LineLED LL42 Wet Tube	SO-Standard HO-High VHO-Very High	27K-2700K 30K-3000K 35K-3500K 41K-4100K	SL65-IP65 Soldered lead wires (72") SL68-IP68 Soldered lead wires (72") LF-IP67 Female Quick Connect LM-IP67 Male Quick Connect NC-No Connector	SL65-IP65 Soldered lead wires (72") SL68-IP68 Soldered lead wires (72") LF-IP67 Female Quick Connect LM-IP67 Male Quick Connect NC-No Connector	Ordered in one foot increments. See chart above for max run length.

1- IP rating of strip is equal to the lowest IP rating of section start and end options.

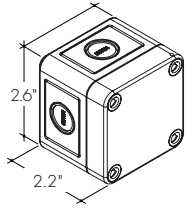
LineLED LL Series Wet Tube | IP65, IP67, & IP68 rated Linear LED strip - 24V



Accessories

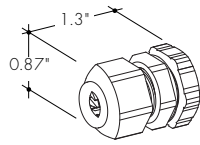
**LVSP-WET**

Splice box: wet rated, low voltage, gray



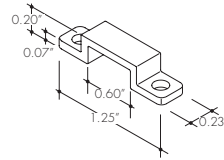
**LVSP-WET-CM**

Splice box connector, low voltage, gray



**CL2**

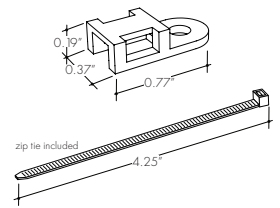
Mounting clip



Recommended every 12" when LineLED strip is facing down

**LL.ZIP**

Cable/Wire Strain Relief Clip





LineLED LL Series Wet Tube | IP65, IP67, & IP68 rated Linear LED strip - 24V



Lens Options / Light Transmission



Clear



Half (50%)  
Frosted



Graze



Frosted



Flat  
Frosted



Raised



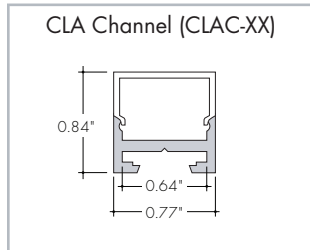
Square  
Frosted



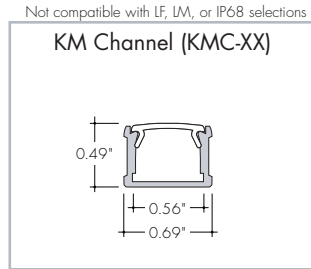
Round Square  
Frosted



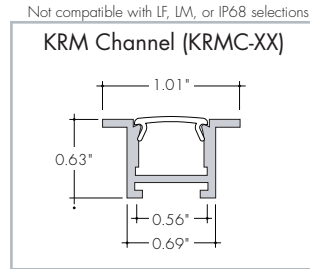
13°  
Semi-Frosted



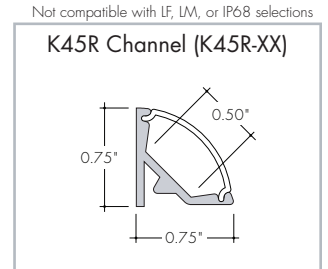
**S** **Q**  
62% 65%



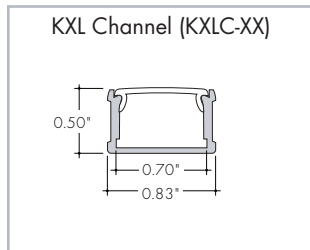
**C** **HF** **F** **FF** **R** **G**  
82% 68% 45% 52% 58% 76%



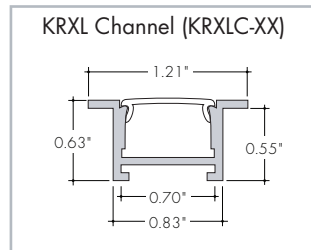
**C** **HF** **F** **FF** **G**  
82% 68% 45% 52% 76%



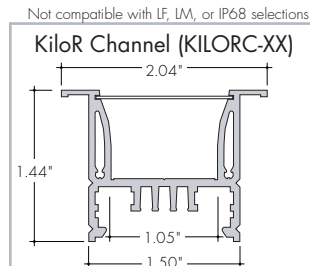
**RF**  
61%



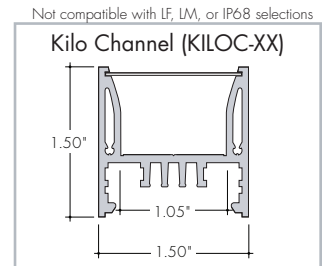
**C** **HF** **F**  
81% 67% 51%



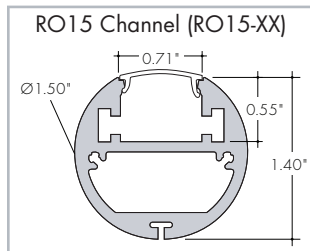
**C** **HF** **F**  
81% 67% 51%



**C** **F**  
85% 75%



**C** **F**  
85% 75%



**C** **F**  
65% 41%

Installation

All mounting channels are field cuttable using miter saw with circular blade suitable for cutting aluminum.

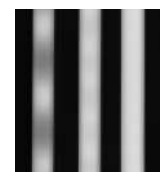
Ordering

Extrusions are sold separately. View respective specsheets for details on ordering extrusions and their accessories (endcaps, mounting brackets, etc).

Led Dotting per Extrusion

using the frosted lens option

Extrusion	LED Model LL42WET-T
KXLC, KRXLC	ND
KLC, KRLC	ND
KILOC, KILORC	ND
RO15	ND
KMC	ND
CLAC	ND
MCAL	ND



**CD** **SD** **ND**  
CD - Clear Dotting  
SD - Slight Dotting  
ND - No Dotting

## LineLED LL Series Wet Tube | IP65, IP67, &amp; IP68 rated Linear LED strip - 24V



## Power Consumption

Tested at full power with PDC Series power supplies.

## LL42

Nominal Length	SO		HO		VHO	
	W/ft	Total Wattage	W/ft	Total Wattage	W/ft	Total Wattage
1	1.2	1.2	2.2	2.2	3.2	3.2
2	1.2	2.4	2.5	4.9	3.2	6.4
3	1.4	4.1	2.4	7.0	3.4	10.1
4	1.4	5.3	2.4	9.2	3.6	14.1
5	1.4	7.1	2.3	11.3	3.6	17.8
6	1.4	8.7	2.3	13.8	3.6	21.6
7	1.4	10.0	2.3	16.1	3.6	25.6
8	1.4	11.1	2.3	18.1	3.6	28.9
9	1.4	12.4	2.3	20.3	3.5	31.6
10	1.4	13.9	2.3	23.0	3.5	34.7
11	1.4	15.4	2.3	25.0	3.4	37.3
12	1.4	16.4	2.3	27.2	3.3	40.0
13	1.4	17.9	2.2	29.1	3.3	42.7
14	1.4	19.0	2.2	31.0	3.3	45.4
15	1.4	20.2	2.2	32.5	3.2	48.0
16	1.3	21.7	2.2	35.1	3.2	51.3
17	1.3	22.7	2.1	36.6	3.1	53.7
18	1.3	23.9	2.1	38.1	3.1	55.8
19	1.3	25.0	2.1	39.8	3.1	58.1
20	1.3	26.5	2.2	43.4	3.0	60.1
21	1.3	27.5	2.1	45.0	3.0	62.3
22	1.3	28.8	2.1	46.6	2.9	64.6
23	1.3	30.0	2.1	48.2	2.9	67.0
24	1.3	31.1	2.1	49.7	2.9	69.1
25	1.3	32.4	2.1	51.3	2.9	71.4
26	1.3	33.4	2.0	52.6	2.8	73.1
27	1.3	34.6	2.0	54.2	2.8	75.0
28	1.3	35.6	2.0	55.5	2.7	76.6
29	1.3	36.6	2.0	56.8	2.7	78.1
30	1.3	37.6	1.9	58.1	2.7	79.7
31	1.2	38.5	1.9	59.3	2.6	81.1
32	1.2	39.4	1.9	60.6	2.6	82.5
33	1.2	40.4	1.9	61.8	2.5	83.8
34	1.2	41.2	1.9	63.0	2.5	85.1
35	1.2	42.1	1.8	64.2	2.5	86.5
36	1.2	43.0	1.8	65.2		
37	1.2	44.0	1.8	66.4		
38	1.2	44.9	1.8	67.4		
39	1.2	45.8	1.8	68.5		
40	1.2	46.6	1.7	69.4		
41	1.2	47.3	1.7	70.3		
42	1.1	48.0	1.7	71.3		
43	1.1	48.8	1.7	72.2		
44	1.1	49.5	1.7	73.2		
45	1.1	50.1	1.6	74.0		
46	1.1	50.9				
47	1.1	51.7				
48	1.1	52.4				
49	1.1	53.1				
50	1.1	53.8				
51	1.1	54.4				
52	1.1	55.0				
53	1.1	55.7				
54	1.0	56.3				
55	1.0	56.8				

## LineLED LL Series Wet Tube | IP65, IP67, &amp; IP68 rated Linear LED strip - 24V



## Voltage Drop Calculator

The below chart assumes nominal voltage of 24 Volts and a Voltage Drop Allowance of 3% through the wire

Wattage [W]	Maximum Wire Length From Power Supply to Start of Run [ft]						
	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
<b>5</b>	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
<b>10</b>	544.1	<b>342.2</b>	215.1	135.3	85.1	53.5	33.7
<b>15</b>	362.7	228.1	143.4	90.2	56.7	35.7	22.4
<b>20</b>	272.0	171.1	107.6	<b>67.7</b>	<b>42.6</b>	<b>26.8</b>	<b>16.8</b>
<b>25</b>	217.6	136.9	86.1	54.1	34.0	21.4	13.5
<b>30</b>	181.4	114.1	71.7	<b>45.1</b>	<b>28.4</b>	<b>17.8</b>	<b>11.2</b>
<b>35</b>	155.5	97.8	61.5	38.7	24.3	15.3	9.6
<b>40</b>	136.0	<b>85.5</b>	53.8	<b>33.8</b>	<b>21.3</b>	<b>13.4</b>	<b>8.4</b>
<b>45</b>	120.9	76.0	47.8	30.1	18.9	11.9	7.5
<b>50</b>	108.8	<b>68.4</b>	43.0	<b>27.1</b>	<b>17.0</b>	<b>10.7</b>	<b>6.7</b>
<b>55</b>	98.9	62.2	39.1	24.6	15.5	9.7	6.1
<b>60</b>	90.7	57.0	35.9	<b>22.6</b>	<b>14.2</b>	<b>8.9</b>	<b>5.6</b>
<b>65</b>	83.7	52.6	33.1	20.8	13.1	8.2	5.2
<b>70</b>	77.7	<b>48.9</b>	30.7	<b>19.3</b>	<b>12.2</b>	<b>7.6</b>	<b>4.8</b>
<b>75</b>	72.5	45.6	28.7	18.0	11.3	7.1	4.5
<b>80</b>	68.0	42.8	<b>26.9</b>	16.9	<b>10.6</b>	<b>6.7</b>	<b>4.2</b>
<b>85</b>	64.0	40.3	25.3	15.9	10.0	6.3	4.0
<b>90</b>	60.5	<b>38.0</b>	23.9	<b>15.0</b>	<b>9.5</b>	<b>5.9</b>	<b>3.7</b>
<b>96</b>	56.7	35.6	22.4	14.1	8.9	5.6	3.5

LineLED LL Series Wet Tube IP65, IP67, & IP68 rated Linear LED strip - 24V



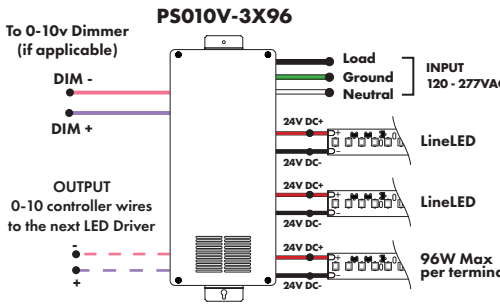
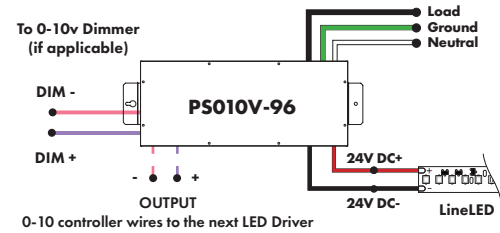
Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING
PS010V - 0-10V Power Supply dims down to 0.1%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC	LIN - Linear LOG - Logarithmic

MODELS	96W	3X96
Length	14.40"	13.00"
Width	5.20"	6.62"
Depth	2.60"	4.20"

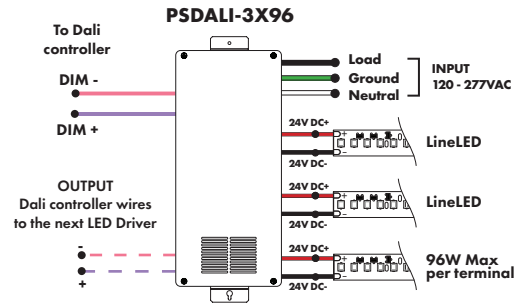
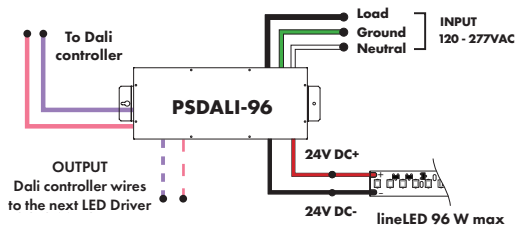


DALI 0% Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDALI - DALI Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers

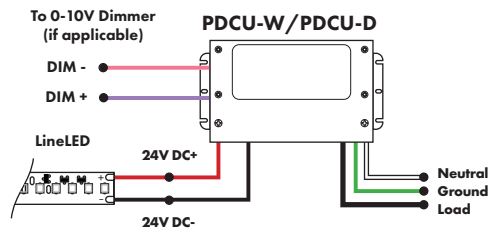
Model	96W	3X96
Length	14.40"	13.00"
Width	5.20"	6.62"
Depth	2.60"	4.20"



Universal Power Supply 1% 120VAC - 277VAC

MODEL	POWER	OUTPUT
PDCU-D - IP20 Dry Series	30 - 30 W 60 - 60 W 96 - 96 W 3X96 - 3X96 W	24 - 24 VDC
PDCU-W - IP66 Wet Series	96 - 96 W 3X96 - 3X96 W	

0-10V dims down to 1%, MLV/ELV/TRIAC dims down to 1%. For a complete list of compatible dimmers, see [Compatible Dimming Chart](#) on the Resources page.



MODEL	PDCU-W-96W	PDCU-W-3X96W	PDCU-D-30W	PDCU-D-60W	PDCU-D-96W	PDCU-D-3X96W
Length	8.66"	11.85"	6.10"	7.93"	8.25"	9.57"
Width	3.73"	4.32"	3.35"	3.35"	4.10"	5.94"
Depth	1.61"	1.81"	1.33"	1.32"	1.56"	1.13"

# LineLED LL Series Wet Tube | IP65, IP67, & IP68 rated Linear LED strip - 24V



## Power Supplies

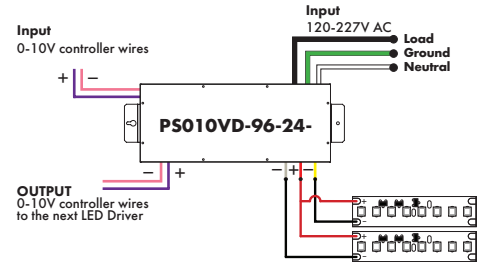
See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

### Customizable Dim to Warm or Variable White via 0 - 10V (for tunable white or warm dimming control of Dynamic option)

MODEL	POWER	OUTPUT	CONTROL
PS010VD-0-10V Vintage Dim LED Driver	96-96 Watt	24-24 VDC	W2I-Standard dimming for both tapes

\*Zonal control power supplies

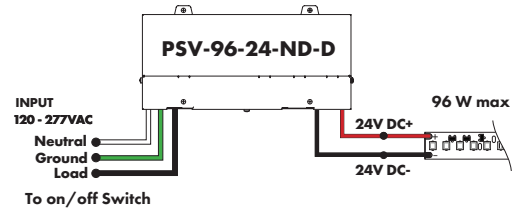
MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"



### Non-Dimming Power Supply 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	ND - Non Dimming	D - Damp

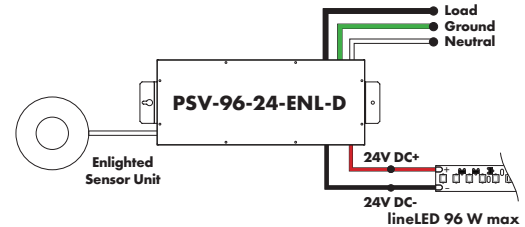
MODELS	96W
Length	8.25"
Width	3.75"
Depth	1.63"



### Enlighted Enabled Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT	DIMMING	LOCATION
PSV - PSV Series	96 - 96 Watt	24 - 24 VDC	ENL - Enlighted Dimming dims down to 0%	D - Damp

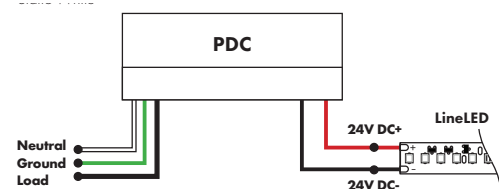
Model	96W
Length	14.40"
Width	5.20"
Depth	2.60"



### Triac, MLV, ELV Compatible Dimmers

MODEL	POWER	OUTPUT
PDC - (IP20) Power Supply	96 - 96 Watts	24 - 24 VDC

MODELS	96W
Length	8.25"
Width	4.10"
Depth	1.56"



LineLED LL Series Wet Tube | IP65, IP67, & IP68 rated Linear LED strip - 24V



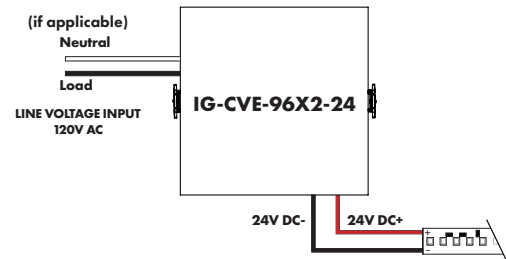
Power Supplies

See Power Supply instructions and spec sheet for wiring information. For a complete list of compatible dimmers, see Compatible Dimming Chart on the Resources page.

In-Ground Power Supplies

MODEL	POWER	OUTPUT	INPUT
IG - In ground CVE Series CVE - ELV Dimming DALI - eldoLED Dali dimming Both dims down to 0%	96X2 - 2 X 96 Watt	24 - 24 VDC	Blank - 120 V 277 - 240/277 V

MODEL	Dual Circuit
Length	8.40"
Width	8.30"
Depth	8.10"

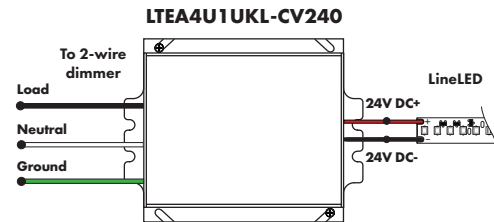


Luminii is a Lutron OEM Advantage Partner Lutron Power Supplies 1%

MODEL
LTEA4U1UKL-CV240

Lutron - HiLume™ 1% 2-wire LED Driver 40W max  
(120V forward phase only)

MODEL	LTEA41UKL-CV240
Length	4.89"
Width	4.00"
Depth	2.62"

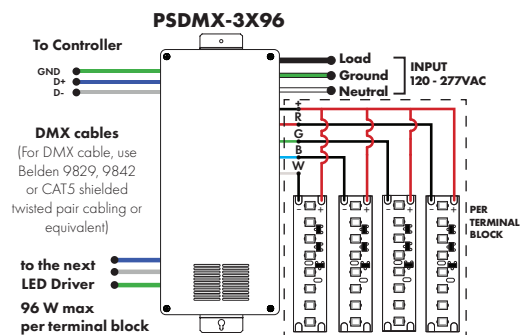
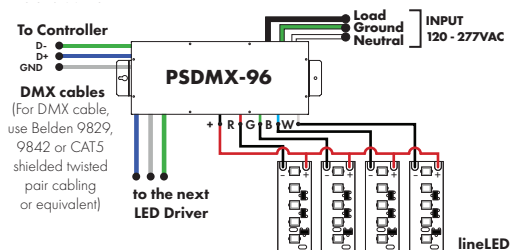


DMX Dimming Power Supplies 120VAC - 277VAC

MODEL	POWER	OUTPUT
PSDMX - DMX Power Supply dims down to 0%	96 - 96 Watt 3X96 - 3 X 96 Watt	24 - 24 VDC

Features eldoLED's LINEARdrive configurable dimmable drivers  
\*Zonal control power supplies. Control multiple tapes/zones using DMX channels.

MODEL	96W	3X96
Length	14.40"	13.00"
Width	5.20"	6.60"
Depth	2.60"	4.20"



## LineLED LL Series Wet Tube | IP65, IP67, &amp; IP68 rated Linear LED strip - 24V



## Decoders



MODEL

**DDMX-5CH-RDM-PRO**

DDMX-5CH-RDM-PRO-DMX512 Decoder

DMX512 decoder with RDM functionality features 5 PWM output channels with common anode. High PWM output frequency range allows the product to be used in HD video conferencing spaces. All DMX products to be installed per DMX512 Standard.

**Power**  
96 Watt

**Inputs**  
RJ45, XLR-5Pin, Terminal Block

**DMX Channels**  
1 to 5 settable

**PWM Output Resolution Ratio**  
8 or 16 bit

**PWM Output Frequency**  
500Hz - 30KHz

**Output Dimming Curve Gamma Value**  
0.1 ~ 9.9



MODEL

**DDMX-RGBW**

DDMX-RGBW - DMX512 Decoder

Translates controller DMX512 programs for RGB and white LED strips.

Unique DMX address for the decoder can be set easily and displayed by the numeric display on the case. Changing and resetting the DMX address requires manual input.

Use power repeater to expand output (Luminii part# RGBW-SR).

**Operating Voltage**  
12-36 VDC

**Power Capacity**  
up to 96W at 24V

**Operating Temperature Range**  
from -4°F to +122°F in case

**PWM Output Frequency**  
200Hz or 1500Hz



MODEL

**RGBW-RC-R**

RGBW-RC-R - RGBW receiver

The RGBW receiver is easily paired with controller by the click of a button. Receiver can be reset to factory settings at any time.

Each receiver can store one static RGB color, one color sequence, and one brightness setting for the white LED strip. Receivers assigned to the same scene within the same zone will have the same LED static color and color sequence.

**Operating Voltage**  
12-36 VDC

**Power Capacity**  
up to 96W at 24V

**Operating Temperature Range**  
from -4°F to +122°F in case

## LineLED LL Series Wet Tube | IP65, IP67, &amp; IP68 rated Linear LED strip - 24V



## Decoders



MODEL

**RGBW-SR**

RGBW-SR - RGBW signal repeater

Extends identical signal when connected in series to an RGBW LED control system. The RGBW signal repeater works with Luminii RGB and RGBW controllers, receivers, and decoders.

RGBW signal can be extended indefinitely when adequate power supply (not included) is connected to the system.

**Operating Voltage**  
12-36 VDC

**Power Capacity**  
up to 96W at 24V

**Operating Temperature Range**  
from -4°F to +122°F in case



MODEL

**RGBW-WiR**

RGBW-WiR - WiFi generator

RGBW-WiR creates a local network that enables any electronic device (phone, tablet, etc.) to control the RGB/W strip connected to a RGBW-RC-R receiver.

The control functions are achieved through a free application download for Android and iOS devices called REALCOLOR.

**Operating Voltage**  
12-36 VDC

**Power Supply**  
PI-130-24 (included)

**Operating Temperature Range**  
from -4°F to +122°F in case



MODEL

**TSDMX-E**

TSDMX-E - Touchscreen DMX controller

Programmable advanced DMX512 lighting controller featuring a touch-screen interface. Operates as stand alone controller or integrated with most architectural lighting control systems. Can controller endless DMX512 enabled devices.

Mounts to standard single or dual gang wall box with the included power supply inside the junction box. Terminal block design for power and data connections.

**Features**

- Sleek glass design which sits 0.43" from the wall
- Graphical color display to show selected environment
- Color/dimmer/speed palette
- Color temperature mixing
- Touch sensitive buttons. No mechanical parts
- Touch sensitive wheel allows for accurate color selection
- Multi-zone microSD memory
- Multi-room control with 500 scenes, 10 zones
- 1024 DMX channels. Control 340 RGB fixtures
- USB & Ethernet connectivity for programming and control

**Power Supply**

7 VDC (included)

**Programmability**

PC, Mac, Tablet, Smartphone

**Output Signal**

DMX512 (1024 channels)

**Color Parameters**

- Brightness
- Saturation
- Speed of color changing sequence
- Fading / dimming / brightness



## Legacy Conversion

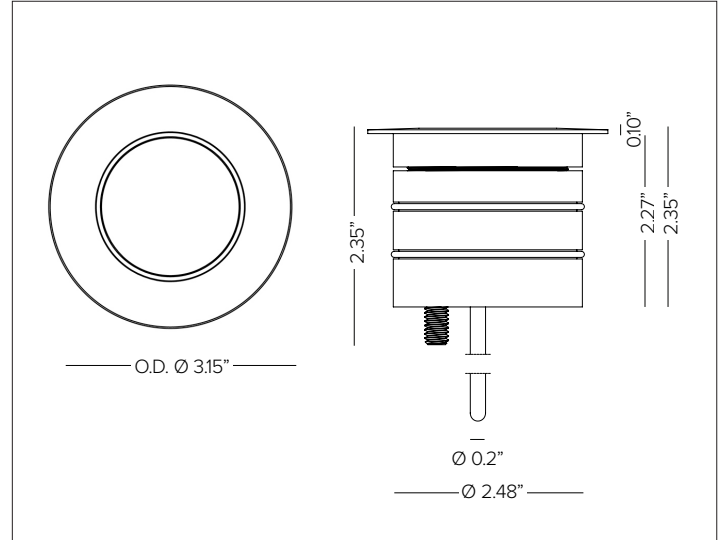
	Legacy LL Tapes			NEW LL Tapes			
	lm/ft	W/ft	LPW	lm/ft	W/ft	LPW	
LL18WET-T	121	1.5	81	LL42WET-T-SO	130	1.4	93
LL30WET-T	190	2.5	76	LL42WET-T-HO	225	2.4	94
LL36WET-T	244	3.0	81				
LL54WET-T	353	4.5	78	LL42WET-T-VHO	320	3.6	88
LLX18WET-T	371	4.9	80				

# JUPITER

## Professional Compact Inground LED Fixture



JUPITER Shown in brushed natural finish.



### CONCEPT

Small scale compact recessed ingrade LED fixture.

### MECHANICAL CHARACTERISTICS

<b>Housing</b>	3.15" Dia. X 2.21" H
<b>Materials</b>	Milled anodized aluminum marine grade cataphoresis <sup>A</sup> body with Passive cooling system. AISI316L stainless steel trim ring with beveled edge and with extra clear glass lens.
<b>Finish</b>	● Brushed Natural ● Bronze PVD* ● Black PVD* *Physical Vapor Deposition.
<b>Power Connection</b>	Pre-cabled with 2ft direct burial 18ga 2 conductor cable for connection to remote power supply.
<b>Mounting</b>	Semi-flush recessed ingrade / surface wall mounting installation sleeve required, see available options.
<b>Weight</b>	1.1lbs
<b>Protection</b>	IP68 <sup>B</sup> / IP69K
<b>Impact</b>	IK10
<b>Load</b>	Resistant to static loads up to 4,496lbs in flush mounted cement and pavement installations.

### CERTIFICATIONS

cULus Class 2 Wet Location Listed E479873.  
Tested in accordance with LM-79-08.  
Compliant for California installations.  
RoHS3 EU 215/863

### WARRANTY

5 year limited warranty

<sup>A</sup> Fixture body complete with marine grade cataphoresis suitable for use in marine grade environments. Stainless steel trim will need to be maintained and cleaned regularly to avoid mineral deposits. Not to be in direct contact with salt or corrosive agents for extended periods of time.

<sup>B</sup> Temporary immersion up to 24 hours at a max depth of 2 meters. Installation of fixture requires proper drainage to prevent any standing water. Should not be used for permanent submersion.

### ELECTRICAL CHARACTERISTICS

<b>Power Supply</b>	Remote Class 2 120V-277V AC power supply required, see available options.
<b>Wattage</b>	7W
<b>Voltage</b>	24V DC

### SOURCE

High efficiency LED Chip on Board.

TM30	CCT (Nominal)	CRI	Rf	Rg	SDCM
	2700K	90	92	99	2
	3000K	90	92	101	2
	3500K	90	90	98	2
	4000K	90	90	98	2

### OPTIC

Precision optic system with PMMA lenses for the SP, FL and WFL versions with a light cut system integrated into the front glass.

Beam	SP 21°	FL 39°	WFL 53°
<b>Delivered Lumens</b>	<b>2700K</b> 509Lm	526Lm	503Lm
	<b>3000K</b> 532Lm	550Lm	526Lm
	<b>4000K</b> 548Lm	567Lm	542Lm
<i>Data represents max output version only, refer to photometry section for all fixture variations.</i>			
<i>For 3500K lumen values use multiplier of 1.02 from 3000K.</i>			
<b>Efficacy</b>	93Lm/W max. Refer to photometric graphs for specific values.		
<b>Lifetime</b>	L80/B10 >100,000hrs at max Tq +25°C		
<b>Photobiological Classification</b>	Low risk safety RG1		

# JUPITER

## SPECIFICATION INFORMATION



Ex: JURSP12724SSLV / DMLE301242UD / 1US3175M

1 - PRODUCT CODE	2 - DRIVER	3 - OPTIC	4 - WATTAGE	5 - KELVIN	6 - VOLTAGE	7 - TRIM	8 - OPTICAL ACCESSORY
<b>JU</b> — JUPITER	<b>R</b> — Remote Driver	<b>SP</b> — SP 21° <b>FL</b> — FL 39° <b>WF</b> — WFL 53° <b>DV</b> — Direct View	<b>L1</b> — 7W	<b>27</b> — 2700K <b>30</b> — 3000K <b>35</b> — 3500K <b>40</b> — 4000K	<b>24</b> — 24V DC	<b>SS</b> — Natural <b>BZ</b> — Bronze <b>BK</b> — Black	— No Optical Accessory <b>LV<sup>c,p</sup></b> — Honeycomb Louver <b>AS<sup>c,p</sup></b> — Asymmetric Louver

9 - POWER SUPPLY	10 - INSTALLATION	11 - INSTALLATION ACCESSORIES
Power Supply See section for details	3" Installation Sleeve See section for details 6" Installation Sleeve See section for details 9" Installation Sleeve See section for details	Sleeve mounting HUB See section for details Installation J-box See section for details

<sup>c</sup> Not compatible with DV optic.

<sup>p</sup> Optical accessories are factory pre-installed integral to the fixture.

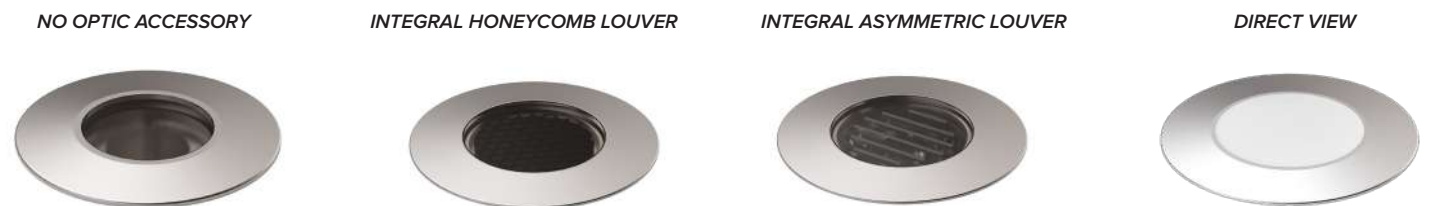
For applicable quick ship items, see model configurations listed below. Lead time for quick ship fixtures is 1-2 weeks from processed PO date. Consult factory for quantities of over 20pcs to confirm lead time.

 **QS** **QSJURSPL13024SSLV + 1US3175M + 1US3175HB + 1US317BX + DMLE301242UD / DMLE601242UD / DMLE961242UD**  
**QSJURFLL13024SS + 1US3175M + 1US3175HB + 1US317BX + DMLE301242UD / DMLE601242UD / DMLE961242UD**

## FINISHES



## OPTIC VERSIONS



# JUPITER

## 8 - POWER SUPPLY (REQUIRED)

ENCLOSURE								
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Enclosure)	Description
<b>DMLE301242UD</b>	30W	MLV / ELV / 0-10V / TRIAC	10%	NEMA3R	120-277V / 24V	UL Class 2	4.47" X 6.79" X 1.38"	EMCOD MLE-UD electronic driver with wiring compartment.
<b>DELV30124DJBX</b>	30W	0-10V	0.1%	IP65	120-277V / 24V	UL Class 2	12.1" X 2.4" X 1.4"	Magnitude SOLIDrive electronic driver with built in junction box.
<b>DMLE601242UD</b>	60W	MLV / ELV / 0-10V / TRIAC	10%	NEMA3R	120-277V / 24V	UL Class 2	4.47" X 6.79" X 1.38"	EMCOD MLE-UD electronic driver with wiring compartment.
<b>DELV60124DJBX</b>	60W	0-10V	0.1%	IP65	120-277V / 24V	UL Class 2	12.1" X 2.4" X 1.4"	Magnitude SOLIDrive electronic driver with built in junction box.
<b>DMLE961242UD</b>	96W	MLV / ELV / 0-10V / TRIAC	10%	NEMA3R	120-277V / 24V	UL Class 2	5.16" X 7.73" X 1.54"	EMCOD MLE-UD electronic driver with wiring compartment.
<b>DELV96124DJBX</b>	96W	0-10V	0.1%	IP65	120-277V / 24V	UL Class 2	12.1" X 2.4" X 1.4"	Magnitude SOLIDrive electronic driver with built in junction box.
<b>DMLE1922242UD</b>	2X96W	MLV / ELV / 0-10V / TRIAC	10%	NEMA3R	120-277V / 24V	UL Class 2	5.04" X 10.94" X 1.81"	EMCOD MLE-UD electronic driver with wiring compartment.
<b>DMLE2882242UD</b>	3X96W	MLV / ELV / 0-10V / TRIAC	10%	NEMA3R	120-277V / 24V	UL Class 2	5.04" X 10.94" X 1.81"	EMCOD MLE-UD electronic driver with wiring compartment.

STANDALONE								
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Standalone)	Description
<b>DELV30124D</b>	30W	0-10V	0.1%	IP65	120-277V / 24V	UR Class 2	7.5" X 2.4" X 1.4"	Magnitude SOLIDrive electronic standalone driver. <b>UL listed enclosure provided by others.</b>
<b>DELV60124D</b>	60W	0-10V	0.1%	IP65	120-277V / 24V	UR Class 2	7.5" X 2.4" X 1.4"	Magnitude SOLIDrive electronic standalone driver. <b>UL listed enclosure provided by others.</b>
<b>DELV96124D</b>	96W	0-10V	0.1%	IP65	120-277V / 24V	UR Class 2	7.5" X 2.4" X 1.4"	Magnitude SOLIDrive electronic standalone driver. <b>UL listed enclosure provided by others.</b>

### MAX FIXTURES PER DRIVER

Fixture Wattage	Driver Wattage				
	30W	60W	96W	2 x 96W	3 x 96W
7W	3	6	10	10+10	10+10+10

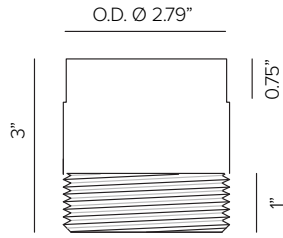
### MAX CABLE DISTANCE

Fixture Wattage	No. Fixtures	Load	18 AWG	16 AWG	14 AWG	12 AWG
7W	3	≤21W	55ft	85ft	140ft	220ft
	6	≤42W	31ft	50ft	80ft	125ft
	10	≤70W	19ft	30ft	48ft	75ft

\*Voltage drop calculations are based on 3% max drop to last fixture in run for load and distances below

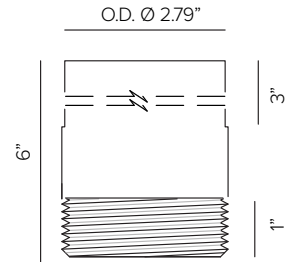
# JUPITER

## 10 – INSTALLATION (REQUIRED)



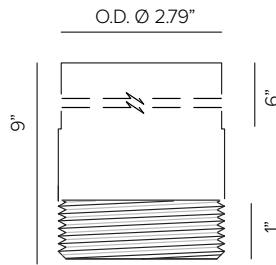
3" installation sleeve. Tube with threaded bottom end for height adjustment up to 3/4" for precision mounting.

Part No. **1US3175M**



6" installation sleeve. Tube with threaded bottom end for height adjustment up to 3/4" for precision mounting. Can be used with inground paver installation. 2" field cut allowance.

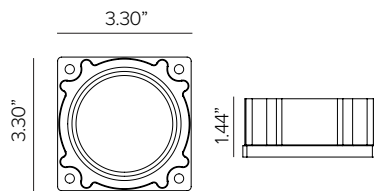
Part No. **1US3175L**



9" installation sleeve. Tube with threaded bottom end for height adjustment up to 3/4" for precision mounting. Can be used with inground paver installation. 2" field cut allowance.

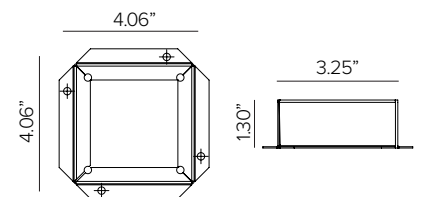
Part No. **1US3175X**

## 11 – INSTALLATION ACCESSORIES (OPTIONAL)



HUB with 3/4" height adjustability for field leveling mounted on 3-3/4" square j-box cover. Optional for use of sleeve only.

Part No. **1US3175HB**



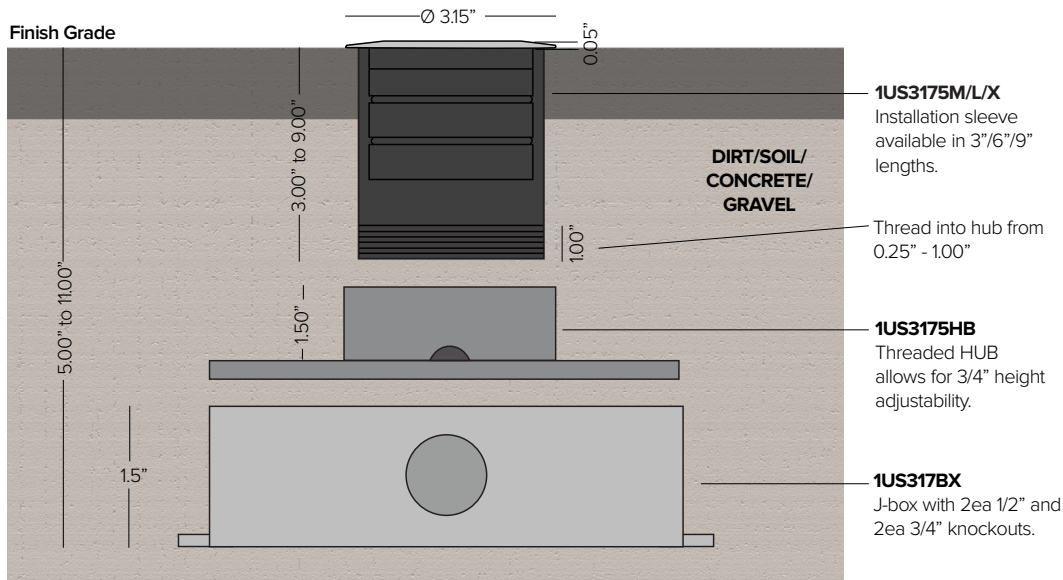
3-1/2" x 3-4/4" installation J-box. Aluminum with 2ea 1/2" and 2ea 3/4" knockouts. Optional for use with HUB only.

Part No. **1US3175X**

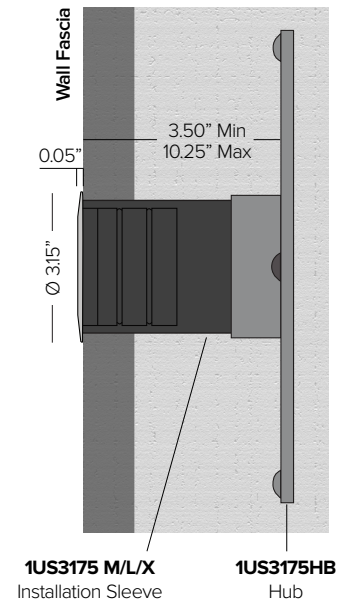
# JUPITER

## INSTALLATION DIAGRAMS

In-Ground Mounting



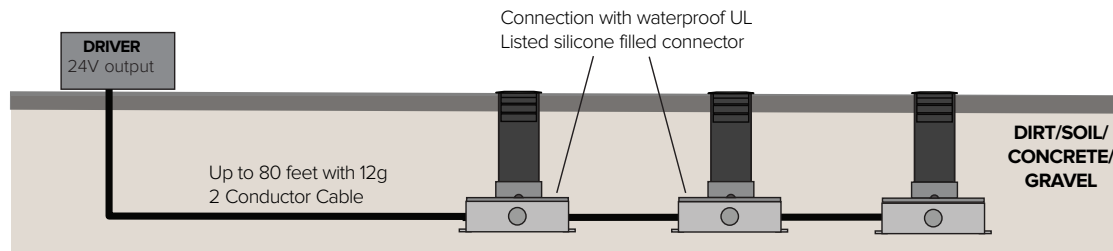
Surface Wall Mount



**Overall Heights**

- 3" Installation Sleeve = 5.00" Min to 5.75" Max
- 6" Installation Sleeve = 8.00" Min to 8.75" Max
- 9" Installation Sleeve = 11.00" Min to 11.75" Max

## WIRING DIAGRAM



**NOTE:** Low voltage outdoor landscape wiring to be installed by a certified electrician per local building requirements, max 4A 96W circuit.

# JUPITER

## PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

### SPOT



2700K		H(m)	D(m)	Emax(lx)	
Ra90			21°		
Fixture Power	7W	1	0.38	2234	
Source Flux	723lm	2	0.75	558	
Fixture Flux	509lm	3	1.13	248	
Efficacy	76lm/W	4	1.50	140	
TS1424	Imax=3090cd/klm	Imax	2234cd	5	1.88



3000K		H(m)	D(m)	Emax(lx)	
Ra90			21°		
Fixture Power	7W	1	0.38	2336	
Source Flux	756lm	2	0.75	584	
Fixture Flux	532lm	3	1.13	260	
Efficacy	79lm/W	4	1.50	146	
TS1424	Imax=3090cd/klm	Imax	2336cd	5	1.88



4000K		H(m)	D(m)	Emax(lx)	
Ra90			21°		
Fixture Power	7W	1	0.38	2407	
Source Flux	779lm	2	0.75	602	
Fixture Flux	548lm	3	1.13	267	
Efficacy	82lm/W	4	1.50	150	
TS1424	Imax=3090cd/klm	Imax	2407cd	5	1.88



3000K		H(m)	D(m)	Emax(lx)	
Ra90			21°		
Fixture Power	7W	1	0.38	2336	
Source Flux	756lm	2	0.75	584	
Fixture Flux	532lm	3	1.13	260	
Efficacy	79lm/W	4	1.50	146	
TS1424	Imax=3090cd/klm	Imax	2336cd	5	1.88

### FLOOD



2700K		H(m)	D(m)	Emax(lx)	
Ra90			39°		
Fixture Power	7W	1	0.71	976	
Source Flux	723lm	2	1.41	244	
Fixture Flux	526lm	3	2.12	108	
Efficacy	79lm/W	4	2.83	61	
TS1425	Imax=1349cd/klm	Imax	976cd	5	3.53



3000K		H(m)	D(m)	Emax(lx)	
Ra90			39°		
Fixture Power	7W	1	0.71	1020	
Source Flux	756lm	2	1.41	255	
Fixture Flux	550lm	3	2.12	113	
Efficacy	82lm/W	4	2.83	64	
TS1425	Imax=1349cd/klm	Imax	1020cd	5	3.53



4000K		H(m)	D(m)	Emax(lx)	
Ra90			39°		
Fixture Power	6W	1	0.71	1051	
Source Flux	779lm	2	1.41	263	
Fixture Flux	567lm	3	2.12	117	
Efficacy	93lm/W	4	2.83	66	
TS1425	Imax=1349cd/klm	Imax	1051cd	5	3.53



3000K		H(m)	D(m)	Emax(lx)	
Ra90			39°		
Fixture Power	7W	1	0.71	1020	
Source Flux	756lm	2	1.41	255	
Fixture Flux	550lm	3	2.12	113	
Efficacy	82lm/W	4	2.83	64	
TS1425	Imax=1349cd/klm	Imax	1020cd	5	3.53

### WIDE FLOOD



2700K		H(m)	D(m)	Emax(lx)	
Ra90			53°		
Fixture Power	7W	1	0.99	614	
Source Flux	723lm	2	1.99	154	
Fixture Flux	503lm	3	2.98	68	
Efficacy	75lm/W	4	3.98	38	
TS1426	Imax=849cd/klm	Imax	614cd	5	4.97



3000K		H(m)	D(m)	Emax(lx)	
Ra90			53°		
Fixture Power	7W	1	0.99	642	
Source Flux	756lm	2	1.99	161	
Fixture Flux	526lm	3	2.98	71	
Efficacy	79lm/W	4	3.98	40	
TS1426	Imax=849cd/klm	Imax	642cd	5	4.97



4000K		H(m)	D(m)	Emax(lx)	
Ra90			53°		
Fixture Power	7W	1	0.99	662	
Source Flux	779lm	2	1.99	165	
Fixture Flux	542lm	3	2.98	74	
Efficacy	81lm/W	4	3.98	41	
TS1426	Imax=849cd/klm	Imax	662cd	5	4.97



3000K		H(m)	D(m)	Emax(lx)	
Ra90			53°		
Fixture Power	7W	1	0.99	642	
Source Flux	756lm	2	1.99	161	
Fixture Flux	526lm	3	2.98	71	
Efficacy	79lm/W	4	3.98	40	
TS1426	Imax=849cd/klm	Imax	642cd	5	4.97



# JUPITER

## PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

### SPOT ASYMMETRIC LOUVER

	2700K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra90		26°	26°			
	Fixture Power	7W	1	0.56	0.50	365	
	Source Flux	723lm	2	1.11	1.00	91	
	Fixture Flux	153lm	3	1.67	1.51	41	
	Efficacy	23lm/W	4	2.22	2.01	23	
TS1430	I <sub>max</sub> =628cd/klm	I <sub>max</sub>	454cd	5	2.78	2.51	15

	3000K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra90		26°	26°			
	Fixture Power	7W	1	0.56	0.50	381	
	Source Flux	756lm	2	1.11	1.00	95	
	Fixture Flux	161lm	3	1.67	1.51	42	
	Efficacy	24lm/W	4	2.22	2.01	24	
TS1430	I <sub>max</sub> =628cd/klm	I <sub>max</sub>	475cd	5	2.78	2.51	15

	4000K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra90		26°	26°			
	Fixture Power	7W	1	0.56	0.50	393	
	Source Flux	779lm	2	1.11	1.00	98	
	Fixture Flux	165lm	3	1.67	1.51	44	
	Efficacy	25lm/W	4	2.22	2.01	25	
TS1430	I <sub>max</sub> =628cd/klm	I <sub>max</sub>	489cd	5	2.78	2.51	16

### FLOOD ASYMMETRIC LOUVER

	2700K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra90		36°	41°			
	Fixture Power	7W	1	0.82	0.82	209	
	Source Flux	723lm	2	1.64	1.64	52	
	Fixture Flux	147lm	3	2.46	2.46	23	
	Efficacy	22lm/W	4	3.29	3.29	13	
TS1431	I <sub>max</sub> =377cd/klm	I <sub>max</sub>	273cd	5	4.11	4.11	8

	3000K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra90		36°	41°			
	Fixture Power	7W	1	0.82	0.82	218	
	Source Flux	756lm	2	1.64	1.64	55	
	Fixture Flux	154lm	3	2.46	2.46	24	
	Efficacy	23lm/W	4	3.29	3.29	14	
TS1431	I <sub>max</sub> =377cd/klm	I <sub>max</sub>	285cd	5	4.11	4.11	9

	4000K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra90		36°	41°			
	Fixture Power	7W	1	0.82	0.82	225	
	Source Flux	779lm	2	1.64	1.64	56	
	Fixture Flux	159lm	3	2.46	2.46	25	
	Efficacy	24lm/W	4	3.29	3.29	14	
TS1431	I <sub>max</sub> =377cd/klm	I <sub>max</sub>	294cd	5	4.11	4.11	9

### WIDE FLOOD ASYMMETRIC LOUVER

	2700K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra90		42°	49°			
	Fixture Power	7W	1	1.01	1.05	144	
	Source Flux	723lm	2	2.01	2.11	36	
	Fixture Flux	136lm	3	3.02	3.16	16	
	Efficacy	20lm/W	4	4.03	4.22	9	
TS1432	I <sub>max</sub> =270cd/klm	I <sub>max</sub>	195cd	5	5.03	5.27	6

	3000K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra90		42°	49°			
	Fixture Power	7W	1	1.01	1.05	151	
	Source Flux	756lm	2	2.01	2.11	38	
	Fixture Flux	143lm	3	3.02	3.16	17	
	Efficacy	21lm/W	4	4.03	4.22	9	
TS1432	I <sub>max</sub> =270cd/klm	I <sub>max</sub>	204cd	5	5.03	5.27	6

	4000K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)		
	Ra90		42°	49°			
	Fixture Power	7W	1	1.01	1.05	155	
	Source Flux	779lm	2	2.01	2.11	39	
	Fixture Flux	147lm	3	3.02	3.16	17	
	Efficacy	22lm/W	4	4.03	4.22	10	
TS1432	I <sub>max</sub> =270cd/klm	I <sub>max</sub>	211cd	5	5.03	5.27	6



# JUPITER

## PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

### SPOT HONEYCOMB LOUVER



		2700K	H(m)	D(m)	Emax(lx)
		Ra90		18°	
Fixture Power	7W	1	0.32	2056	
Source Flux	723lm	2	0.63	514	
Fixture Flux	319lm	3	0.95	228	
Efficacy	48lm/W	4	1.27	129	
TS1427	I <sub>max</sub> =2844cd/klm	I <sub>max</sub>	2056cd	5	1.59
					82



		3000K	H(m)	D(m)	Emax(lx)
		Ra90		18°	
Fixture Power	7W	1	0.32	2150	
Source Flux	756lm	2	0.63	537	
Fixture Flux	334lm	3	0.95	239	
Efficacy	50lm/W	4	1.27	134	
TS1427	I <sub>max</sub> =2844cd/klm	I <sub>max</sub>	2150cd	5	1.59
					86



		4000K	H(m)	D(m)	Emax(lx)
		Ra90		18°	
Fixture Power	7W	1	0.32	2215	
Source Flux	779lm	2	0.63	554	
Fixture Flux	344lm	3	0.95	246	
Efficacy	51lm/W	4	1.27	138	
TS1427	I <sub>max</sub> =2844cd/klm	I <sub>max</sub>	2215cd	5	1.59
					89

### FLOOD HONEYCOMB LOUVER



		2700K	H(m)	D(m)	Emax(lx)
		Ra90		29°	
Fixture Power	7W	1	0.52	897	
Source Flux	723lm	2	1.05	224	
Fixture Flux	286lm	3	1.57	100	
Efficacy	43lm/W	4	2.09	56	
TS1428	I <sub>max</sub> =1241cd/klm	I <sub>max</sub>	897cd	5	2.61
					36



		3000K	H(m)	D(m)	Emax(lx)
		Ra90		29°	
Fixture Power	7W	1	0.52	938	
Source Flux	756lm	2	1.05	235	
Fixture Flux	299lm	3	1.57	104	
Efficacy	45lm/W	4	2.09	59	
TS1428	I <sub>max</sub> =1241cd/klm	I <sub>max</sub>	938cd	5	2.61
					38



		4000K	H(m)	D(m)	Emax(lx)
		Ra90		29°	
Fixture Power	7W	1	0.52	967	
Source Flux	779lm	2	1.05	242	
Fixture Flux	308lm	3	1.57	107	
Efficacy	46lm/W	4	2.09	60	
TS1428	I <sub>max</sub> =1241cd/klm	I <sub>max</sub>	967cd	5	2.61
					39

### WIDE FLOOD HONEYCOMB LOUVER



		2700K	H(m)	D(m)	Emax(lx)
		Ra90		38°	
Fixture Power	7W	1	0.68	552	
Source Flux	723lm	2	1.37	138	
Fixture Flux	248lm	3	2.05	61	
Efficacy	37lm/W	4	2.73	34	
TS1429	I <sub>max</sub> =763cd/klm	I <sub>max</sub>	552cd	5	3.41
					22



		3000K	H(m)	D(m)	Emax(lx)
		Ra90		38°	
Fixture Power	7W	1	0.68	577	
Source Flux	756lm	2	1.37	144	
Fixture Flux	259lm	3	2.05	64	
Efficacy	39lm/W	4	2.73	36	
TS1429	I <sub>max</sub> =763cd/klm	I <sub>max</sub>	577cd	5	3.41
					23



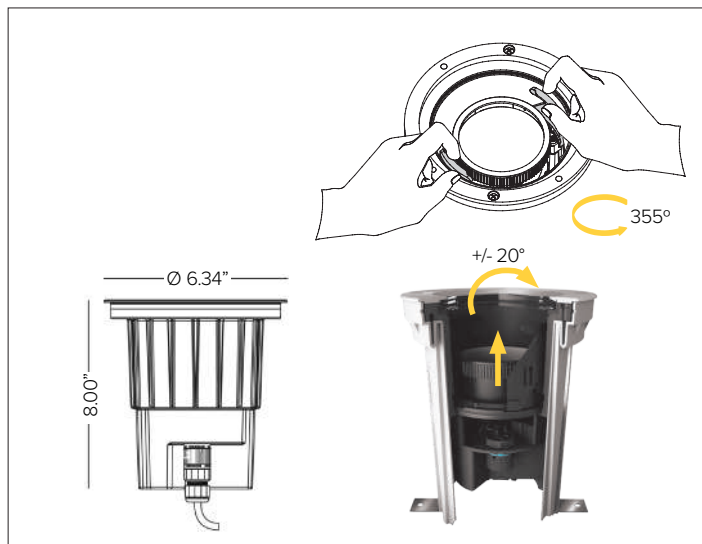
		4000K	H(m)	D(m)	Emax(lx)
		Ra90		38°	
Fixture Power	7W	1	0.68	595	
Source Flux	779lm	2	1.37	149	
Fixture Flux	267lm	3	2.05	66	
Efficacy	40lm/W	4	2.73	37	
TS1429	I <sub>max</sub> =763cd/klm	I <sub>max</sub>	595cd	5	3.41
					24

# KEPLERO MINI ZOOM

## Professional Inground LED Fixture



KEPLERO® MINI ZOOM with brushed natural trim and clear lens



### CONCEPT

Professional fully adjustable landscape inground fixture. As landscaping matures and changes overtime the zoom optic can be manually adjusted to adapt with the ever changing landscape conditions.

### MECHANICAL CHARACTERISTICS

<b>Housing</b>	8"H x 6.34"Dia. Housing.
<b>Materials</b>	Anodized marine grade cataphoresis <sup>A</sup> die-cast aluminum heat sink body with PVC installation sleeve. AISI316L stainless steel trim ring with beveled edge with extra clear glass lens.
<b>Finish</b>	<input type="radio"/> Brushed Natural <input type="radio"/> Bronze PVD* <input type="radio"/> Black PVD*
	*Physical Vapor Deposition.
<b>Power Connection</b>	Provided with 4ft SJ00W 16-6 cable and DSMT anti-wicking quick disconnect to direct burial brass ingrade jbox (required, sold separately).
<b>Functionality</b>	Adjustable +/-20° on the vertical axis and rotated 355° on the horizontal axis with friction locking mechanism.
<b>Mounting</b>	Flush, semi-flush or raised tube mountings. Installation sleeve for flush or semi-flush mountings includes optional stainless steel 'L' brackets for additional mounting support. Fixture equipped with fastening holes and stainless steel screws for attachment into installation sleeve assembly.
<b>Weight</b>	2.43lbs
<b>Protection</b>	IP68 <sup>B</sup> / IP69K
<b>Impact</b>	IK10
<b>Load</b>	Resistant to static loads up to 4,496lbs in flush mounted cement and pavement installations.

### CERTIFICATIONS

cULus Class2 Wet Location Listed.  
 Tested in accordance with LM-79-08.  
 Compliant for California installations.  
 IEC 62471  
 RoHS3 EU 215/863

### SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

### ELECTRICAL CHARACTERISTICS

<b>Power Supply</b>	Integral 4/1 smart driver (Non-Dimmable / 0-10V / Reverse Phase / Forward Phase).
<b>Wattage</b>	14W
<b>Voltage</b>	Universal Voltage 120-277V AC 50/60Hz

### SOURCE

High efficiency LED Chip on Board.

TM30	CCT (Nominal)	CRI	Rf	Rg	SDCM
	2700K	80	82	96	2
	3000K	80	83	96	2
	3500K	80	83	95	2
	4000K	80	82	95	2

Ra90 available upon request

### OPTIC

Zoom optical system that manually slides and locks on vertical axis according to four different fixed beam positions (SP / FL / MFL / WFL).

Beam	SP 15°	FL 32°	MWFL 53°	WFL 61°
<b>Delivered Lumens</b>	<b>3000K</b> 610Lm	809Lm	1045Lm	1127Lm
	<b>4000K</b> 626Lm	830Lm	1072Lm	1156Lm

For 2700K lumen values use multiplier of 0.96 from 3000K For 3500K lumen values use multiplier of 1.02 from 3000K.

<b>Efficacy</b>	86Lm/W max. Refer to photometric graphs for specific values.
<b>Lifetime</b>	L92/B10 30,000hrs at max TA +25°C L90/B10 50,000hrs at max TA +25°C

<b>Photobiological Classification</b>	Low risk safety RG1
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### WARRANTY

5 year limited warranty.

<sup>A</sup> Fixture body complete with marine grade cataphoresis suitable for use in marine grade environments. Stainless steel trim will need to be maintained and cleaned regularly to avoid mineral deposits. Not to be in direct contact with salt or corrosive agents for extended periods of time.

<sup>B</sup> Temporary immersion up to 24 hours at a max depth of 2 meters. Installation of fixture requires proper drainage to prevent any standing water. Should not be used for permanent submersion.

# KEPLERO MINI ZOOM

## SPECIFICATION INFORMATION

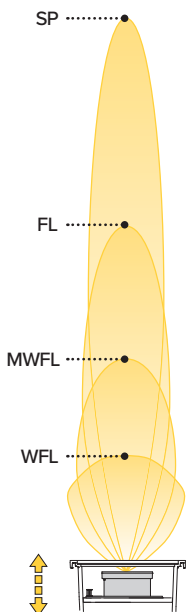


1 - PRODUCT CODE	2 - DRIVER	3 - TYPE	4 - WATTAGE	5 - KELVIN
<b>KPLM</b> — KEPLERO MINI	<b>41</b> — 4/1 Smart Dimming (Non-Dimming / 0-10V / Reverse Phase / Forward Phase)	<b>ZM</b> — Zoom	<b>L2</b> — 14W	<b>27</b> — 2700K <b>30</b> — 3000K <b>35</b> — 3500K <b>40</b> — 4000K
6 - TRIM	7 - INSTALLATION	8 - INSTALLATION ACCESSORIES	9 - OPTICAL ACCESSORIES	
Round Trim Ring <i>See section for details</i>	Flush Mount Sleeve <i>See section for details</i>	Torx Key <i>See section for details</i>	Blade of Light Linear Spread Lens <i>See section for details</i>	
Square Trim Ring <i>See section for details</i>	Raised Tube <i>See section for details</i>	Fixture Removal Tool <i>See section for details</i>	Anti Glare Honeycomb Louver <i>See section for details</i>	
	Junction Box <i>See section for details</i>	Glass Removal Tool <i>See section for details</i>	Half Moon Anti Glare Shutter <i>See section for details</i>	
			Chromatic Filter <i>See section for details</i>	

For applicable quick ship items, see model configurations listed below. Lead time for quick ship fixtures is 1-2 weeks from processed PO date. Consult factory for quantities of over 20pcs to confirm lead time.

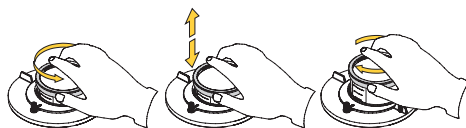


## OPTICAL SYSTEM



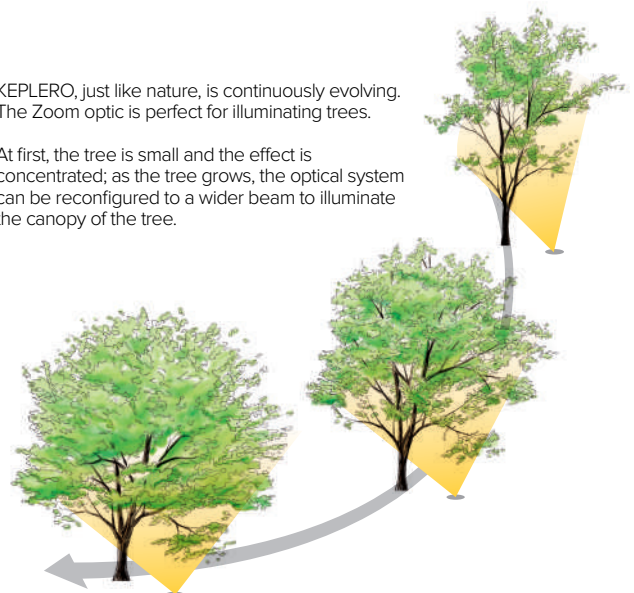
Zoom is a patented optical system that allows variation of the beam opening by manually moving the optical chamber.

Three simple movements - extraction, translation and rotation - it is possible to vary the beam opening from SP to WFL. Graduated rings help to recognize the adjustment allowing for easy repetition.



KEPLERO, just like nature, is continuously evolving. The Zoom optic is perfect for illuminating trees.

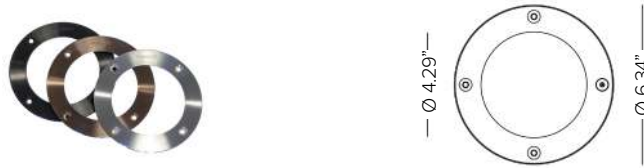
At first, the tree is small and the effect is concentrated; as the tree grows, the optical system can be reconfigured to a wider beam to illuminate the canopy of the tree.



# KEPLERO MINI ZOOM

## 6 - TRIM (REQUIRED)

### ROUND TRIM RING



Round stainless steel (AISI316L) decorative ring. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.

Finish ● Brushed Natural ● Bronze PVD ● Black PVD

Part No. **1E2525**      **1DU2525B**      **1DU2525K**



Round stainless steel (AISI316L) decorative ring with anti-slip glass. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.

Finish ● Brushed Natural ● Bronze PVD ● Black PVD

Part No. **1DU2525A**      **1DU2525BA**      **1DU2525KA**



Round stainless steel (AISI316L) decorative ring with half frosted glass. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.

Finish ● Brushed Natural ● Bronze PVD ● Black PVD

Part No. **1DU2525E**      **1DU2525BE**      **1DU2525KE**

### SQUARE TRIM RING



Square stainless steel (AISI316L) decorative ring. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.

Finish ● Brushed Natural

Part No. **1E2526**



Square stainless steel (AISI316L) decorative ring. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.

Finish ● Brushed Natural

Part No. **1DU2526A**



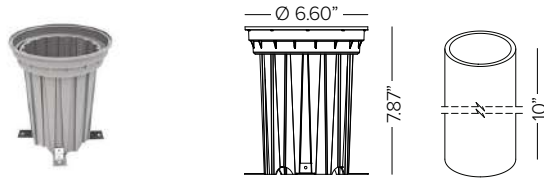
Square stainless steel (AISI316L) decorative ring. 10mm thick extra clear protective glass. Silicone gasket. Tamper proof (AISI316L) Torx screws.

Finish ● Brushed Natural

Part No. **1DU2526E**

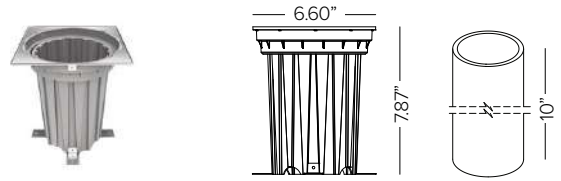
# KEPLERO MINI ZOOM

## 7 - INSTALLATION (REQUIRED)



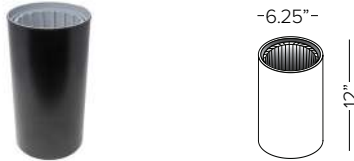
Installation sleeve for concrete pour applications. Grey Nylon casing with PVC installation outer pipe. For flush or semi-flush installations. **Required for use with 1DU2530 by NEC.**

Part No. **1DU2521**



Installation sleeve for concrete pour applications. Grey Nylon casing and stainless steel profile with PVC installation outer pipe. Square ring for flush installation only. **For use with square trim options only. Required for use with 1DU2530 by NEC.**

Part No. **1DU2522**



At grade or raised installation sleeve for turf or ground cover applications. 12"H stainless steel, includes factory pre-installed inner PVC installation sleeve. **To be used with round trim options only. Not suitable for use with 1DU2521 or 1DU2522.** (Field cuttable. Used for fixture elevations at grade to 3" above grade). **Required for use with 1DU2530 by NEC.**

Finish ● Deep Black

Part No. **1DU434412**



Raised installation sleeve for ground cover (succulents and low level planting) applications. 18"H stainless steel, includes factory pre-installed inner PVC sleeve. **To be used with round trim options. Not suitable with 1DU2521 or 1DU2522.** (Field cuttable. Used for fixture elevation 7" above grade). **Required for use with 1DU2530 by NEC.**

Finish ● Deep Black

Part No. **1DU434418**



Raised installation sleeve for landscape applications. 36"H stainless steel, includes factory pre-installed inner PVC sleeve. **To be used with round trim options. Not suitable with 1DU2521 or 1DU2522.** (Field cuttable. Used for fixture elevation 21" above grade). **Required for use with 1DU2530 by NEC.**

Finish ● Deep Black

Part No. **1DU4344**



Direct burial brass ingrade j-box. Features stainless steel cover screws and strain relief for power cord, (2) 3/4" NPT bottom holes and (2) 3/4" NPT side holes. Includes (4) 3/4" to 1/2" adapters and (2) 1/2" NPT plugs. **(REQUIRED by NEC).**

Part No. **1DU2530**

## 8 - INSTALLATION (OPTIONAL)



Fixture metal maintenance removal handle. Helpful one per 10 fixtures.

Part No. **1E2524**



Anti-vandal torx head. Helpful one per 5 fixtures.

Part No. **1E2495**



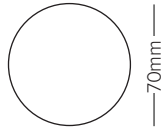
Glass suction removal tool. Helpful one per 20 fixtures.

Part No. **1E0388**

# KEPLERO MINI ZOOM

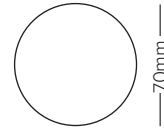
## 9 - OPTICAL ACCESSORIES (OPTIONAL)

MAXIMUM OF ONE OPTICAL FILTER OR LOUVER ACCESSORY PER FIXTURE



'Blade of Light' linear spread lens. Parallel ribbed glass.

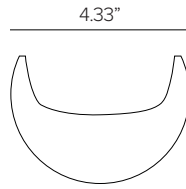
Part No. **1T1708**



Anti-glare honeycomb louver with lacquered metal structure.

Finish ● Deep Black

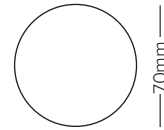
Part No. **1T1711**



Integral half moon anti glare shutter. **Can be used as one per fixture with a filter or louver, not considered as part of the maximum optical accessories.**

Finish ● Deep Black

Part No. **1E2523**



Tone filter. Glass filter to vary the color temperature of light.

Finish Peach Tone Cold Tone Gold Tone

Part No. **1T1759 1T1777 1T1786**



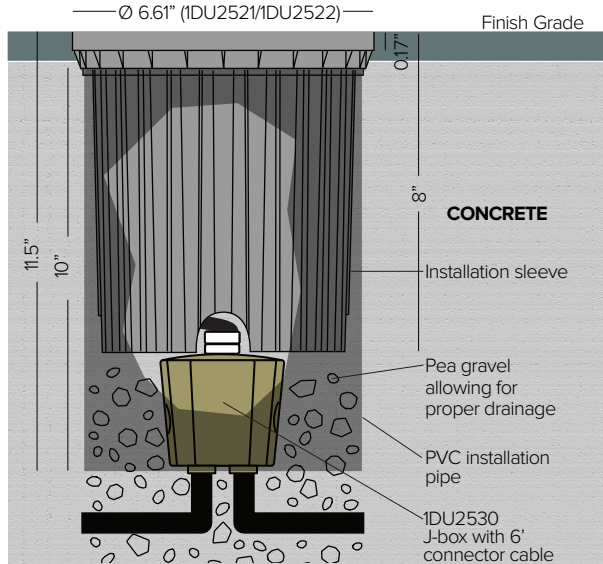
# KEPLERO MINI ZOOM

## INSTALLATION DIAGRAM

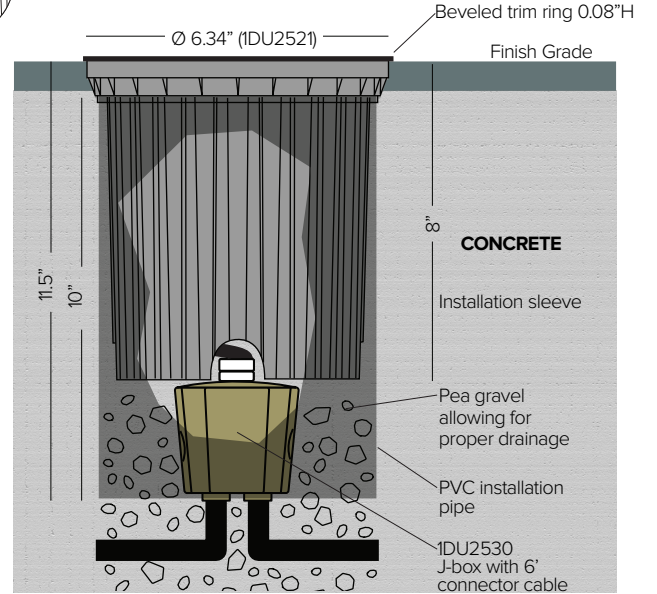
CONCRETE POUR APPLICATION



**Flush Mount Sleeve Assembly**  
1DU2521 and 1DU2522 Sleeves



**Semi-Flush Mount Sleeve Assembly**  
1DU2521 Sleeve Only

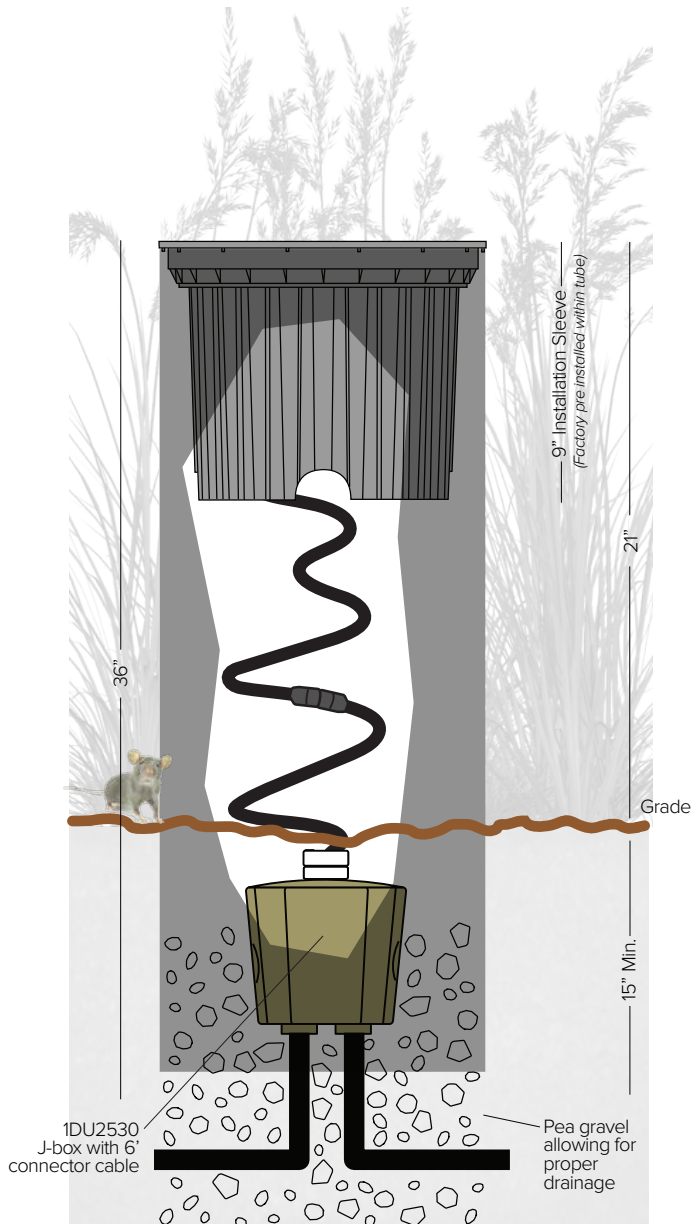


# KEPLERO MINI ZOOM

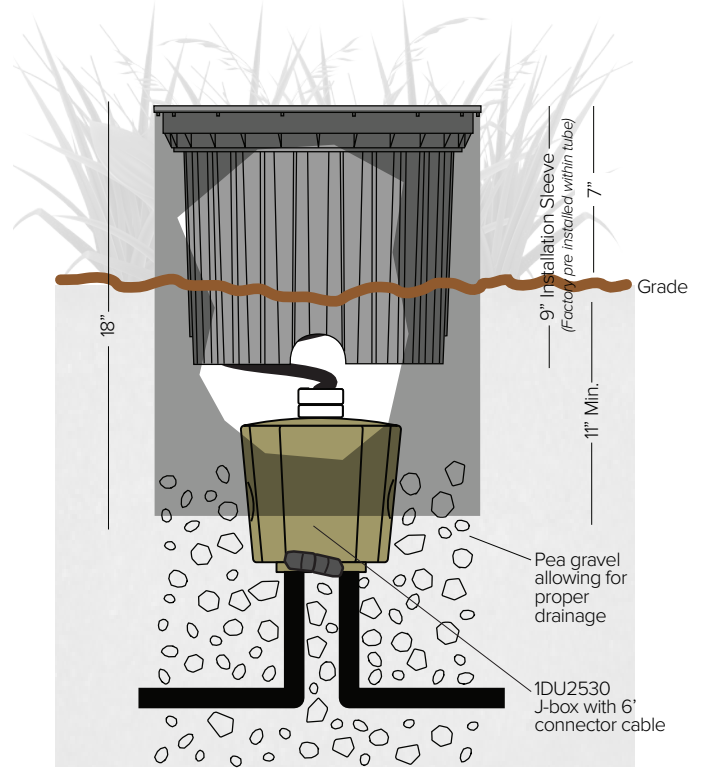
## INSTALLATION DIAGRAM

LANDSCAPE APPLICATION

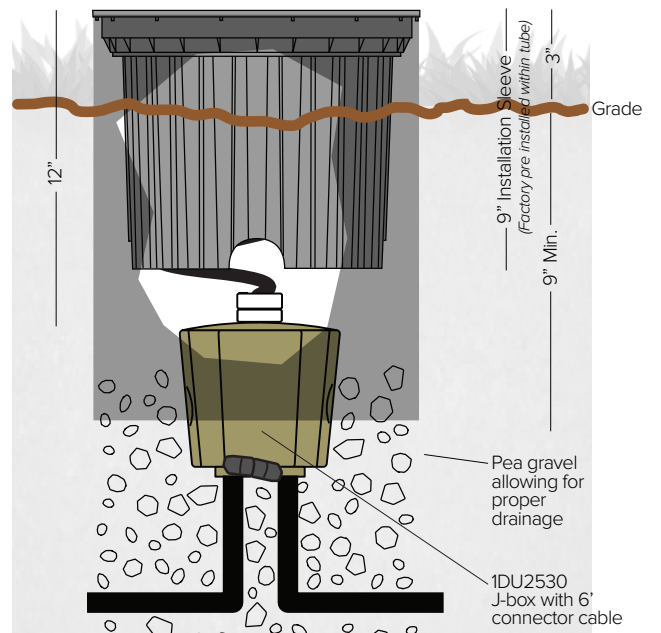
**RAISED TUBE INSTALLATION ASSEMBLY**  
Recommended for Landscape Installation  
1DU4344 with Round Trim ONLY



**RAISED TUBE INSTALLATION ASSEMBLY**  
Recommended for Ground Level Installation  
1DU434418 with Round Trim ONLY



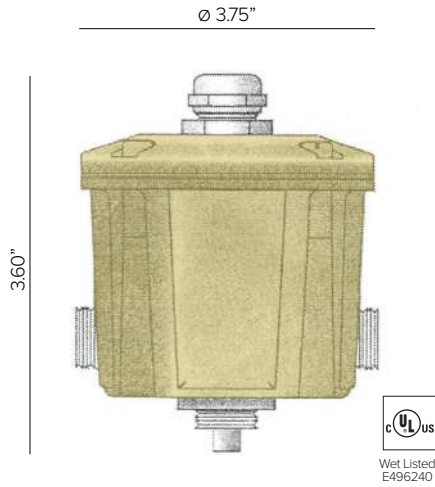
**RAISED TUBE INSTALLATION ASSEMBLY**  
Recommended for Turf Installation  
1DU434412 with Round Trim ONLY





# KEPLERO MINI ZOOM

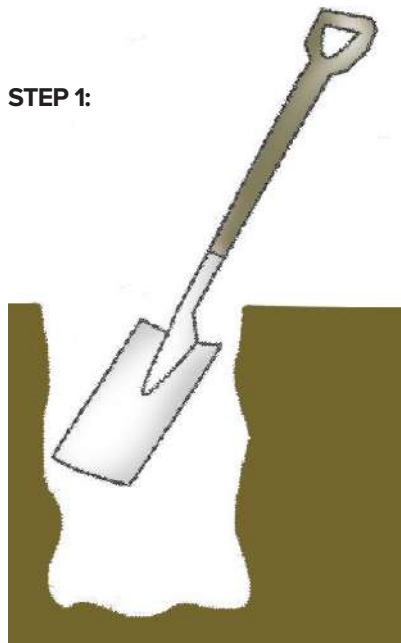
## INSTALLATION DIAGRAM - 1DU2530 J-Box



Brass junction box is supplied with the following components:

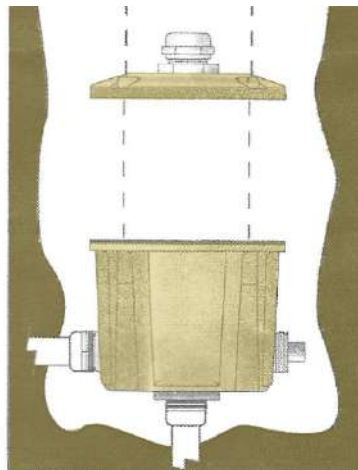
- (4) 3/4" side/bottom NPT holes
- (4) 1/2" reduction NPT adapters
- (2) 1/2" cap plugs

**NOTE: Box fill size = 15.94 IN<sup>3</sup>**



Dig a hole large enough to accommodate the junction box.

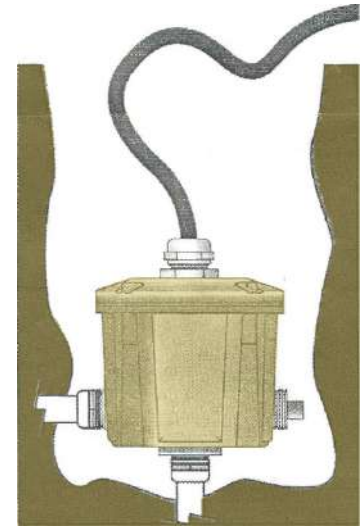
### STEP 2:



Connect brass junction box to conduit system. Seal conduit entries inside junction box with a good grade RTV sealant per sealant manufacturer's instructions.

**Note: Drainage must be in place below junction box.**

### STEP 3:



Seal threads. Tighten locking screw on bottom of cover. Connect all wires observing polarity (i.e. green-to-ground, white-to-common, and black-to-voltage). Provided with 1/2" strain relief.

# KEPLERO MINI ZOOM

## PHOTOMETRY

### SPOT

	3000K	H(m)	D(m)	Emax(lx)		
	Ra84		15°			
	Fixture Power	14W	1	0.27	5715	
	Source Flux	1775lm	2	0.54	1429	
	Fixture Flux	610lm	3	0.82	635	
	Efficacy	45lm/W	4	1.09	357	
	TS815	I <sub>max</sub> =3220cd/klm	I <sub>max</sub>	5715cd	5	1.36

	4000K	H(m)	D(m)	Emax(lx)		
	Ra84		15°			
	Fixture Power	14W	1	0.27	5863	
	Source Flux	1821lm	2	0.54	1466	
	Fixture Flux	626lm	3	0.82	651	
	Efficacy	46lm/W	4	1.09	366	
	TS815	I <sub>max</sub> =3220cd/klm	I <sub>max</sub>	5863cd	5	1.36

### FLOOD

	3000K	H(m)	D(m)	Emax(lx)		
	Ra84		32°			
	Fixture Power	14W	1	0.58	2608	
	Source Flux	1775lm	2	1.15	652	
	Fixture Flux	809lm	3	1.73	290	
	Efficacy	60lm/W	4	2.30	163	
	TS816	I <sub>max</sub> =1469cd/klm	I <sub>max</sub>	2608cd	5	2.88

	4000K	H(m)	D(m)	Emax(lx)		
	Ra84		32°			
	Fixture Power	14W	1	0.58	2675	
	Source Flux	1821lm	2	1.15	669	
	Fixture Flux	830lm	3	1.73	297	
	Efficacy	61lm/W	4	2.30	167	
	TS816	I <sub>max</sub> =1469cd/klm	I <sub>max</sub>	2675cd	5	2.88

### MEDIUM WIDE FLOOD

	3000K	H(m)	D(m)	Emax(lx)		
	Ra84		53°			
	Fixture Power	14W	1	0.99	1536	
	Source Flux	1775lm	2	1.98	384	
	Fixture Flux	1045lm	3	2.97	171	
	Efficacy	77lm/W	4	3.95	96	
	TS817	I <sub>max</sub> =866cd/klm	I <sub>max</sub>	1536cd	5	4.94

	4000K	H(m)	D(m)	Emax(lx)		
	Ra84		53°			
	Fixture Power	14W	1	0.99	1576	
	Source Flux	1821lm	2	1.98	394	
	Fixture Flux	1072lm	3	2.97	175	
	Efficacy	79lm/W	4	3.95	99	
	TS817	I <sub>max</sub> =866cd/klm	I <sub>max</sub>	1576cd	5	4.94

### WIDE FLOOD

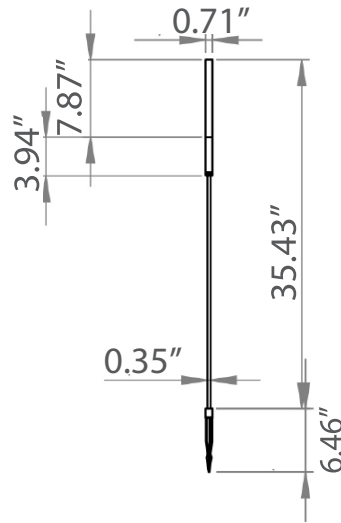
	3000K	H(m)	D(m)	Emax(lx)		
	Ra84		61°			
	Fixture Power	14W	1	1.18	1102	
	Source Flux	1775lm	2	2.37	276	
	Fixture Flux	1127lm	3	3.55	122	
	Efficacy	83lm/W	4	4.74	69	
	TS818	I <sub>max</sub> =621cd/klm	I <sub>max</sub>	1102cd	5	5.92

	4000K	H(m)	D(m)	Emax(lx)		
	Ra84		61°			
	Fixture Power	14W	1	1.18	1131	
	Source Flux	1821lm	2	2.37	283	
	Fixture Flux	1156lm	3	3.55	126	
	Efficacy	86lm/W	4	4.74	71	
	TS818	I <sub>max</sub> =621cd/klm	I <sub>max</sub>	1131cd	5	5.92



**SBBL36**

**36" BAMBOO LIGHT**



**PRODUCT SPECIFICATION**

Diffuser Base Material	Aluminium	LED Type	NICHIA
Diffuser Base Finish	Glossy Gold	Power Consumption	2W
Stem Material	Brass	Input Voltage	12VAC 50/60Hz or 12VDC
Stem Finish	Powder Coated Textured Black	Height	35.43 inches
Stake Material	Aluminium	Operating Temperature	from -4° to 149° F
Stake Finish	Powder Coated Textured Black	Color Rendering Index	>85
Diffuser	PMMA	Warranty	3 years against manufacturing defects
Binning	3 Step MacAdam	Agency Approval	CE, RoHS
Wiring	1 Meter of 2 core 0.5mm <sup>2</sup> rubber cable		
Life Span	50,000 hours		

Standard offering of fixture is 2700K and 120° Beam Spread.



Power (W)	Available color Temperatures	Luminous Flux			IP Rating	Available Beam Angles
		3000K	4000K	6000K		
2W	2700K	110lm/W	120lm/W	130lm/W	65	120°