

# AV3 DESIGN STUDIO

architecture & urbanism

## LIGHTING SPECIFICATIONS - V2

PROJECT: 4439 SADDLEBAG TRAIL - #21016  
DATE: 2023 . 03 . 24  
SUPPLIER : SUN LIGHTING - BRAD LEVKOWITZ - 480.921.0331  
NOTES:

1. All lighting to be dimmable unless noted otherwise
2. All lighting to be 2700k color temperature, unless noted otherwise.
3. All lighting to be reviewed by architect in CA.

### E01 EXIT SIGN COMBO



MFG: THE EXIT LIGHT COMPANY  
STYLE: COMBOELR - COMBO EDGE LIT EXIT SIGN  
MOUNTING: RECESSED MOUNT (WALL OR CEILING)  
LAMP: RED LETTERS - 3W LED  
FINISH: (A) BRUSHED ALUMINUM  
LOCATION: EXIT SIGN LOCATIONS  
NOTES: BATTERY BACK UP  
SINGLE SIDED

### E02 EMERGENCY LIGHT




MFG: DUAL LITE  
FIXTURE: EV4R SERIES  
LAMP: 4W LED  
MOUNTING: RECESSED  
DIAGNOSTICS: NO SD  
FINISH: WHITE (PAINTED TO MATCH ADJACENT  
CEILING SURFACE)

### L01 RECESSED GROUND WALL WASH




MFG: ACCLAIM LIGHTING  
FIXTURE: AQUA DRUM  
TYPE: EO (8 LED) 700 LUMENS  
LAMP: RGBW(3000K)  
CLR. TEMP: COLOR + 3000 K  
FINISH: 316 MARINE GRADE STAINLESS  
INGRADE HOUSING  
LOCATION: PATIO  
CONTROL: DMX DRIVER AND ADR400


**L02 STAIR WALL LIGHT**

	<p>MFG: HK USA LIGHTING GROUP FIXTURE: ZXL-SLR - 3.0 MATERIAL: ALUMINUM LAMP: 12V CLR. TEMP: 2700k OPTICS: 42 DEGREE FINISH: BLACK POWDER COAT LOCATION: OUTDOOR OPTICAL: D - LOUVER DIMMING: YES</p>
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**L03 LANDSCAPE LIGHTING**

	<p>MFG: B-K LIGHTING STYLE: NITE STAR MATERIAL: ALUMINUM LAMP: LED - (E65 DIMMER) CLR. TEMP: 8.5 W - 2700k OPTICS: MEDIUM FLOOD FINISH: BRONZE LENS: SOFT FOCUS SHIELDING: HONEYCOMB BAFFLE MOUNTING: GROUND = POWER PIPE STAKE PALM = (4) MOUNTING STRAP DIMMING: YES</p>
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**L04 RGBW - COVE FLEX LIGHT**

	<p>MFG: ACCLAIM STYLE: FLEX SPECTRUM EXTERIOR LAMP: RGBW - 5.4 W PER FOOT CLR. TEMP: 3000k FINISH: WHITE LOCATION: UNDERMOUNT CONTROL: DMX CONTROLLER MOUNTING: FLEX SPECTRUM CHANNEL LENSE: OPAL LENSE - 100% DIFFUSION</p>
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**L05 COVE LED LIGHTING - WHITE**

	<p>MFG: PURE EDGE LIGHTING FIXTURE: FLEX NEON LRF7 LAMP: 7.5 W PER FOOT CLR. TEMP: 3000K FINISH: WHITE LOCATION: UNDER COUNTER MOUNT ENVIRONMENT: SEAMLESS INDOOR DAMP LOCATION</p>
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**L06 MARKET FESTIVE STRING LIGHTS - DARK SKY COMPATIBLE**

	<p>           MFG: CALIFORNIA ACCENT LIGHTING            STYLE: MARKET LITE            FIXTURE: ML2000 - CMH            LAMP: LED - 36" ON CENTER.            CLR. TEMP: 2400K            FINISH: CANOPY FINISH - BRONZE            LOCATION: 1ST FLOOR TERRACE            LENGHT: VARIES SEE PLAN.            GLARE: NONE            DIMMABLE: YES         </p>
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**L07 ARCHITECTURAL AREA LIGHT - WALL SCONCE**

	<p>           MFG: WAC LIGHTING            STYLE: HAWK            FIXTURE: WP-LED2            LAMP: LED 27W            CLR. TEMP: 3000k            FINISH: ARCHITECTURAL BRONZE            LOCATION: WALL MOUNTED - ALLEY         </p>
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**L08 SQUARE RECESSED CAN LIGHT - ADJUSTABLE**

	<p>           MFG: WAC LIGHTING            STYLE: MT-4            FIXTURE: SILO - SINGLE            LAMP: 1 - 14W LED            CLR. TEMP: 2700k            BEAM: 45 DEGREE            FINISH: WHITE / BLACK            LOCATION: CEILING RECESSED            LENS: FROSTED            GLARE CONTROL: HONEYCOMB LOUVER            DIMMABLE: YES TO 3%         </p>
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**L09 SURFACE MOUNT - AREA LIGHT**

	<p>           MFG: LITHONIA LIGHTING (OR SIMILAR)            STYLE: VCPG ULTIMATE            FIXTURE: VXPGLD            LAMP: V4 - 4 LIGHTS - P4            CLR. TEMP: 3000K            FINISH: DARK BRONZE            MOUNTING: SURFACE            LOCATION: PARKING CEILING         </p>
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**L10 TROFFER LIGHT**

	<p>MFG: PAC LIGHTS (OR SIMILAR) STYLE: FPNB - GENERATION 2 FIXTURE: 24" X 24" LAMP: 30W CLR. TEMP: 3500k FINISH: WHITE LOCATION: KITCHEN EMERGENCY: BATTERY BACK UP WHERE REQUIRED NOTES: WASHABLE - FOOD SERVICE COMPATIBLE</p>
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**L11 PENDANT CAN LIGHT**

	<p>MFG: WAC LIGHTING STYLE: TUBE PENDANT DOWNLIGHT FIXTURE: PDW2605 LAMP: 16W LED CLR. TEMP: 2700k FINISH: BLACK LOCATION: STORAGE AREA DIMMABLE: NO</p>
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**L12 LIGHTING TYPE**

	<p>MFG: PURE EDGE STYLE: TWIGGY - D1 TUNABLE WHITE VANITY LAMP: DIRECT 1" LENSE CLR. TEMP: 2700k FINISH: SATIN NICKEL LOCATION: RESTROOM DIMMABLE: YES LENGTH: 36" (X2) PER SINK</p>
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**L13 LARGE PENDANT**

	<p>MFG: CURREY COMPANY STYLE: BUCKMINSTER ORB CHANDALIER FIXTURE: 31" X 27" LAMP: E12 - LED 3W (6 LIGHTS) CLR. TEMP: 2400K FINISH: PYRITE BRONZE / RAJ MIRROR LOCATION: TERRACE</p>
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L14     SMALL PENDANT

	MFG: CURREY AND COMPANY STYLE: PASHA PENDANT FIXTURE: 9000-0773 SIZE: 23"H x 14.25" DIA LAMP: LED 3W CLR. TEMP: 2700k FINISH: ANTIQUE BRASS LOCATION: TERRACE
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# COMBO EDGE LIT LED EXIT SIGN | RECESSED MOUNT | ADJUSTABLE LED LAMPS

Code: COMBOELR



The COMBOELR Combo Edge Lit Exit Sign series reinvents the meaning of Edge Lit Exit Signage, allowing one sign to meet multiple needs for the first time, making it a must have design.



## FEATURES

- UL 924, NEC, OSHA and NFPA 101 Life SafetyCode
- Listed for damp location
- Recessed Mount - Ceiling and Wall
- Aluminum housing with high grade acrylic face
- Field Installable Arrows for Left, Right or Both directions.
- Long life LED illumination
- 3W Power Consumption
- Test switch and charge rate indicator on battery backup models
- Dual 120/277 volt operation

## WARRANTY INFORMATION

Any component that fails due to manufacturer's defect is guaranteed for 1 year. The warranty only covers products installed and maintained in accordance with the instructions provided by their respective manufacturer and no warranty is made with respect to any of our products that are otherwise installed or maintained. For full warranty details, visit our [Warranty Section](#).

## Conformance to Codes and Standards

The COMBOELR series is UL listed and meets or exceeds the following: UL 924, NEC, OSHA and NFPA 101 Life Safety Code requirements.

## ORDERING INFORMATION

Series	Letter Color	Housing Color	Operation Type	Sides
COMBOELR	R (Red)	A (Brushed Aluminum)	BB (Battery Backup)	S (Single Sided)
	G (Green)	B (Black)		DM (Double Sided Mirrored)
		W (White)		

CONSTRUCTION

The COMBOELR Combo Edge Lit Exit Sign housing is constructed of die-cast aluminum housing with an etched, clear acrylic panel. Double sided panel comes as mirrored configuration. Lettering is 6" high with 3/4" stroke. Aluminum housing color is standard.

ILLUMINATION

The COMBOELR Combo Edge Lit Exit Sign series provides a long life LED illumination. The unit is constructed with a red or green high output LED board. Energy consumption is rated at less than 3 watts. Directional heads have a total of 250 lumen output.

ELECTRICAL COMPONENTS

Dual voltage input 120/277 VAC operation. LED display indicates AC/ON. An external push button test switch allows maintenance personnel to quickly determine the operational status of the unit. Unit offers brown out, overload and short circuit protection.

EMERGENCY OPERATION

Upon failure of the normal utility power, an internal solidstate transfer switch automatically provides uninterrupted emergency operation for at least 90 minutes. The fully automatic solid-state, two-rate charger initiates battery charging to recharge a discharged battery in 24 hours.

BATTERY - BATTERY BACKUP

The COMBOELR series is designed with a 3.6V 1800mAh maintenance-free NiCad battery. The battery is protected by a low voltage cut-off circuit. The operating temperature range for the battery is 41°F (5°C) to 104°F (40°C).

PHOTOMETRICS

Standard mounting height of 7.5ft illuminates 1 footcandle (FC) **spaced at 24ft for a 3ft path of egress.**

Standard mounting height of 10ft illuminates 1 footcandle (FC) **spaced at 25ft for a 3ft path of egress.**

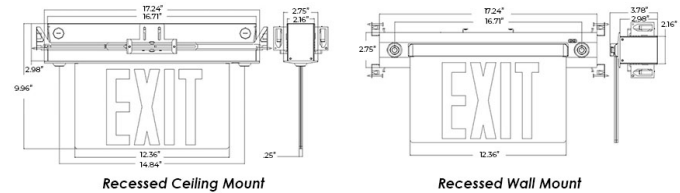
OPERATIONAL TEMPERATURE

Temperature Ratings	
Standard Option	5°C to 40°C / 41°F to 104°F

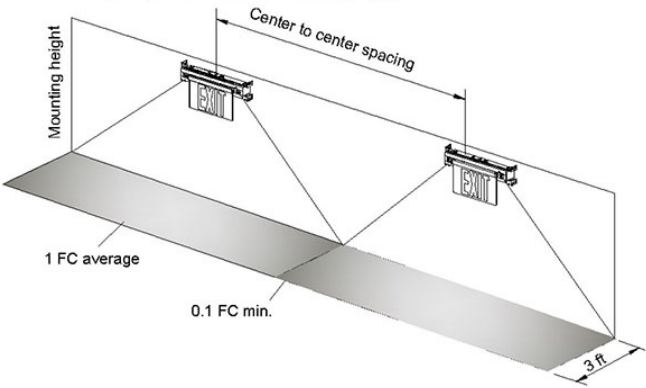
INSTALLATION

The COMBOELR Combo Edge Lit Exit Sign series is suitable for wall or ceiling recessed mounting. **Note: the recessed box has a width in excess of 16" so depending on orientation, it may not be compatible with traditional 16" on center framing.** Includes eld installable directional arrow indicators. All hardware is included.

DIMENSIONS



Weight : 10.00 lb





# EV4R Series

## Recessed Ceiling Mount LED Emergency Light

### FEATURES

#### Application

The EV4R Series is a ceiling mounted, recessed emergency light with superior emergency lighting coverage. The EV4R provides 90 minutes of emergency illumination when primary power is lost. The EV4R Series has a flame-rated, UV stable thermoplastic housing and choice of round or square trim-plate in white or black finish. The 4 LEDs are housed within an aluminum heat-sink and adjustable optic assembly. Each LED is driven at 1 watt each. Includes micro-controlled pulse charger and nickel metal hydride (NiMH) battery. The EV accepts 120/277VAC input at 50 or 60 Hz. Unit can be applied at 220-240VAC input without self-diagnostic option. The EV4R is approved for use in the City of Chicago with the addition of a KIT-EV4R-CP which includes a gasket, foil tape and special installation instructions.

#### Construction

The EV4R housing and trim-plate is made of flame-rated, UV stable thermoplastic with a lightly textured white or black finish. Each LED is housed in an aluminum heat-sink. Adjustable optic assembly is made of ABS thermoplastic. LED lens are made of acrylic. Includes a steel back-box and caddy-bar assembly.

#### Installation

The EV4R includes a round or square trim-plate with a rough-in template for back-box installation. Includes a caddy bar assembly for mounting within a T-Grid ceiling. Conduit entry through knock-outs in the back-box. Pre-stripped AC input leads provided. Unit designed for ceiling mount only.

#### Illumination

The EV Series provides bright and uniform illumination and increased spacing by using 4 high power LEDs which are mounted in an adjustable optic assembly in 2 pairs. Adjustability is based on mounting height for optimal light pattern. LED's are driven at 1 watt each for 88 lumens per LED.

Photometrics are available for download at [www.dual-lite.com](http://www.dual-lite.com).

Catalog Number	
Comments	Date



Round or Rectangle Trim-Plates

#### Compliances

Listed to UL924 Standard, NFPA 101 and NFPA 70  
Damp Location Listed  
IC Rated  
CEC T20 Compliant

#### Warranty

LED Lifetime Warranty  
EV4R Full 3 Year Warranty  
EV4R with Spectron® Full 5 Year Warranty

### ACCESSORIES

**KIT-EV4R -CP** Kit for Chicago Plenum Rating (see Note 4)

### ORDERING GUIDE

EV	4	R		
Model	Capacity	Recessed	Self-Diagnostics	Finish
	4 4 Watt	R Recessed	Blank I No SD Spectron Self-Diag. <sup>3</sup>	Blank B White Black

Notes:

1. Each model includes round or square trim-plate
2. Each model is damp listed
3. Not for 220-240VAC input
4. KIT-EV4R-CP adds gasket and foil tape to meet City of Chicago Plenum Rating



# EV4R Series

## Recessed Ceiling Mount LED Emergency Light

### SPECIFICATIONS

#### Electronics

Upon failure of normal utility power, a solid-state transfer switch automatically activates the emergency LED lamp-heads. Upon resumption of normal utility power, the battery is disconnected from the load and recharged through a microprocessor controlled pulse charger. The battery is a maintenance-free Nickel Metal Hydride(NiMH) type. The EV4R series accepts dual-voltage input of 120 or 277VAC at 50 or 60 Hz. Unit can be applied at 220-240VAC input at 50-60 Hz. without the self-diagnostic option. A low voltage battery disconnect (LVD) feature protects the battery from severe damage during prolonged power failures. Manual testing is available at any time using the push-to-test button.

Number of Lamps- 4 High Power LEDs at 1 watt each configured so that if 1 lamp malfunctions, the remaining lamp will continue to provide illumination.

**Lamp Color:** Cool White

**Total Lamp Output:** 1W, 88 Lumens per LED

**System Efficacy:** 80 lm/W

**Rated LED Lifecycle:** Greater than 100,000 hours

#### Standard Features:

- Intelligent 2-wire input connection
- External push-to-test switch and AC-on indicator
- Battery re-charge within 24 hours
- AC Lock-out circuit
- Low voltage disconnect
- Conduit entry knock-out located at the top center
- Microprocessor controlled pulse charger

#### Optional Spectron® Features:

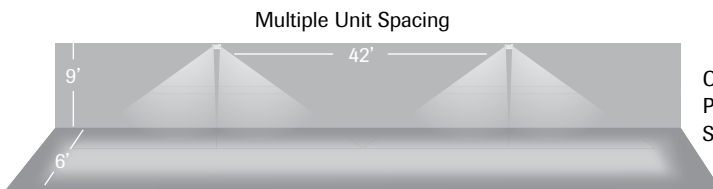
- Self-diagnostics monitors LED status, LED load transfer circuit, battery capacity and charger function and displays any fault detection by means of a flashing code
- Self-Test feature automatically runs a 1 minute test once a month and an alternating 30 or 60 minute test once every 6 months. Multi-color LED indicator provides visible fault detection and charging status
- User initiated 1 or 90-minute system test feature
- 15 minute re-transfer delay
- Automatic unit transfer in brown-out conditions (below 80% of nominal AC input voltage)

#### Operating Temperature Range:

Damp Listed: 50° to 104°F (10° to 40°C)

Weight: 3.0 lbs

### APPLICATION INFORMATION



Meets Life Safety Code minimum illuminance of 0.1 fc and average illuminance of 1.0 fc. Assumes open space with no obstructions, ceiling height of 9' and reflectances of 80/50/20. Photometry files available on the Dual-Lite web site ([www.dual-lite.com](http://www.dual-lite.com)).

Photometric file reference:  
Position 1- 9' Mounting Height  
Position 2- 10' Mounting Height  
Position 3- 11' Mounting Height  
Position 4- 12' Mounting Height

Refer to Instruction Sheet for lamp-head position at installation to maximize spacing

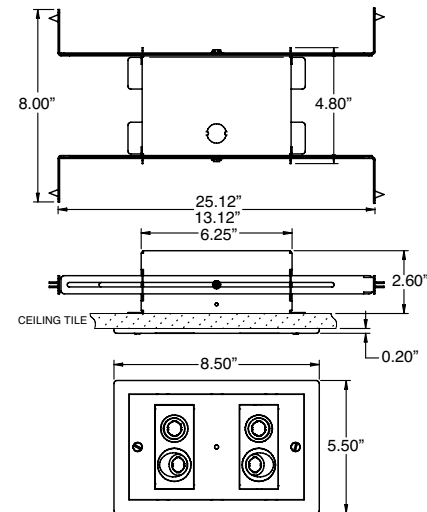
Web: [www.dual-lite.com](http://www.dual-lite.com) • Tech Support: (866)-313-3909  
701 Millennium Blvd. • Greenville, SC 29607 U.S.A.  
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Specifications subject to change without notice. • Printed in U.S.A.

### MAXIMUM POWER CONSUMPTION

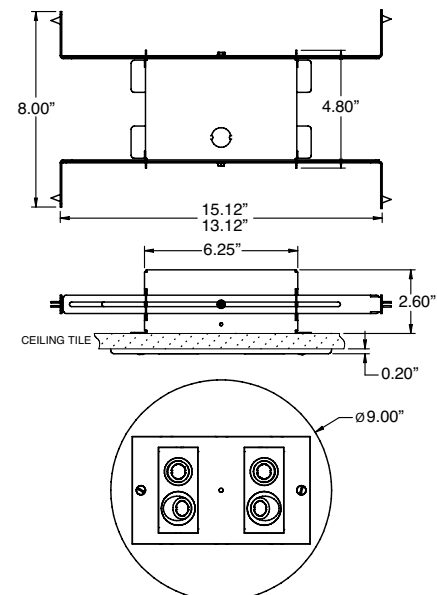
	AC Voltage	Hz.	Amps.	Max. Watts	Power Factor
EV4R	120	60	0.022	2.00	0.73
	240	60	0.015	2.51	0.65
	277	60	0.014	2.75	0.63
Maintenance mode power consumption less than 0.5 watts.					

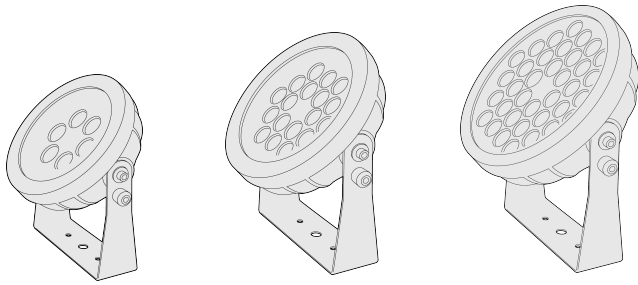
### DIMENSIONS

#### Rectangle



#### Round





Client:

Project:

Type:

Order Code:

Quantity:

**Aqua Drum** is a series of high output, submersible, LED flood fixtures. It features an all stainless steel construction, included in-grade housing mounting option, and is submersible up to 20' (6M). Available in multiple color temperatures of white and color changing versions, it is ideal for outdoor facade wash, fountains, ponds, landscape applications, and is UL certified for Pool & Spa applications.

## SPECIFICATIONS

Colors	2700K, 3000K, 3500K, 4000K, RGBW (W=3000K), RGBW (W=4000K), RGBA
Beam Angles	10° x 10°, 25° x 25°, 40° x 40°, 60° x 60°, 90° x 90°, 10° x 60°, 10° x 35°
Photometrics	4000K 10° - <b>EO:</b> 700 lm / <b>SO:</b> 1600 lm / <b>HO:</b> 3259 lm
Fixture Sizes	EO (8 LED), SO (18 LED), HO (36 LED)
Control	DMX via Aqua Driver 150 or 400, 0-10V via external UDM
Max Fixtures per Aqua Driver 150	<b>EO &amp; SO:</b> 4 fixtures at 350mA / <b>HO:</b> 4 fixtures at 700mA
Power Consumption	<b>EO:</b> 8W / <b>SO:</b> 18W / <b>HO:</b> 36W
Operating Voltage	24VDC, constant current
Lumen Maintenance	L70 @ 150,000 hours (25° C)
Mounting	0.47" (11mm) mounting holes on mounting bracket
Finish	Silver / stainless steel, marine environment ready
Material	316 marine grade stainless steel housing, sealed glass top
Ambient Operating Temperature	-40° F to 122° F (-40° C to 50° C)
IP Rating	IP68, Wet or Dry location, submersible up to 20' (6M)
IK Rating	IK08, protection against 5 joule impact, walk over rated
Fixture Connectors	98.4' (30m) STOW cable included, attached 8 pin terminal blocks
Warranty	5 Years, limited
Weight	<b>EO:</b> 4 lbs (1.8kg) / <b>SO:</b> 6.6 lbs (3kg) / <b>HO:</b> 8 lbs (3.6kg)
Dimensions	See page 4

### Certifications



## ORDER CODES

\* indicates special order

**AQP - 2 6 1 - # # # N**

**Version:**  
AQP = Aqua Drum  
UL676

**Control:**  
2 = DMX

**Housing Finish:**  
6 = Stainless Steel

**Lens Cover:**  
1 = Clear

**Size:**  
A = EO (8 LED)  
B = SO (18 LED)  
C = HO (36 LED)

**Beam:**  
C = 10° x 10°  
F = 25° x 25°  
H = 40° x 40°  
K = 60° x 60°  
O = 90° x 90°  
M = 10° x 35°  
P = 10° x 60°

**LED Color:**  
A = 2700K\*  
C = 3000K  
D = 3500K\*  
E = 4000K  
L = RGBW (W=4000K)  
J = RGBA\*  
Q = RGBW (W=3000K)

**Input Voltage:**  
N = 24VDC

## RELATED COMPONENTS

### Mounting Accessories



#### AQP-IGH-EO

*In-grade housing for Aqua Drum EO*

Includes sleeve, trim ring, and screws

#### AQP-IGH-SO

*In-grade housing for Aqua Drum SO*

Includes sleeve, trim ring, and screws

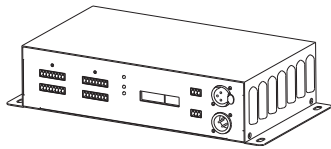
#### AQP-IGH-HO

*In-grade housing for Aqua Drum HO*

Includes sleeve, trim ring, and screws

## RELATED COMPONENTS

### Remote Driver / Power Supply



#### ADR157

##### Aqua Driver 150

100-277V Input, 24VDC + PWM Output  
Powers up to 4 Aqua Drum EO, SO or HO units



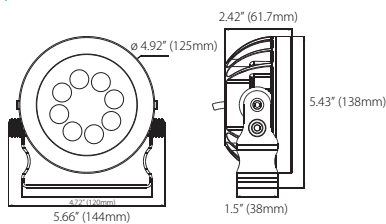
#### ADR400

##### Aqua Driver 400

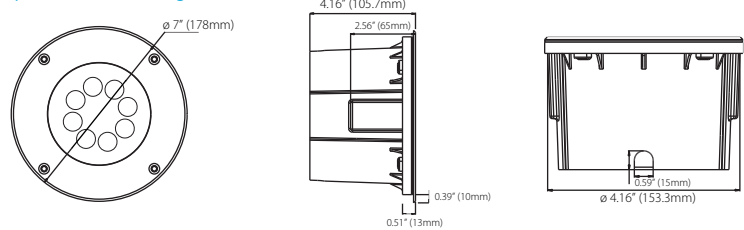
100-277V Input, 24VDC + PWM Output  
Powers up to 8 Aqua Drum EO, SO or HO units

## DIMENSIONS

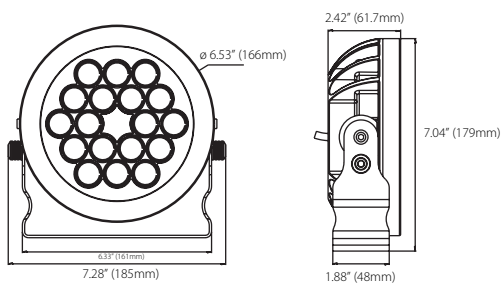
### Aqua Drum EO



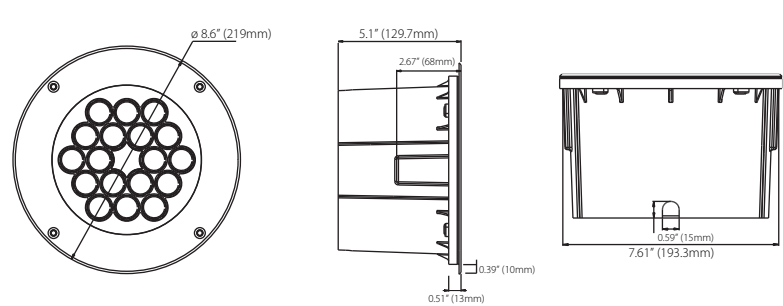
### Aqua Drum EO with in-grade sleeve



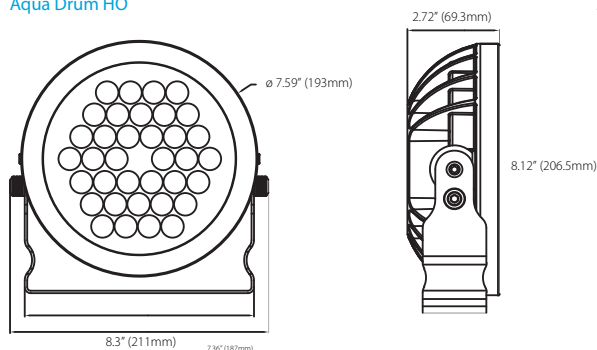
### Aqua Drum SO



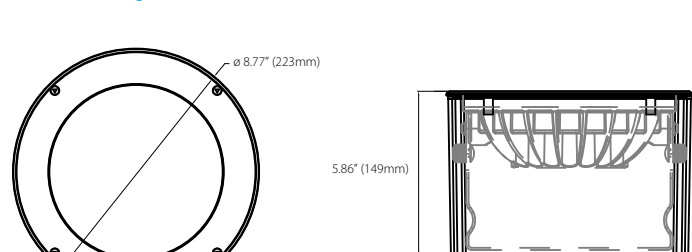
### Aqua Drum SO with in-grade sleeve



### Aqua Drum HO



### Aqua Drum HO with in-grade sleeve

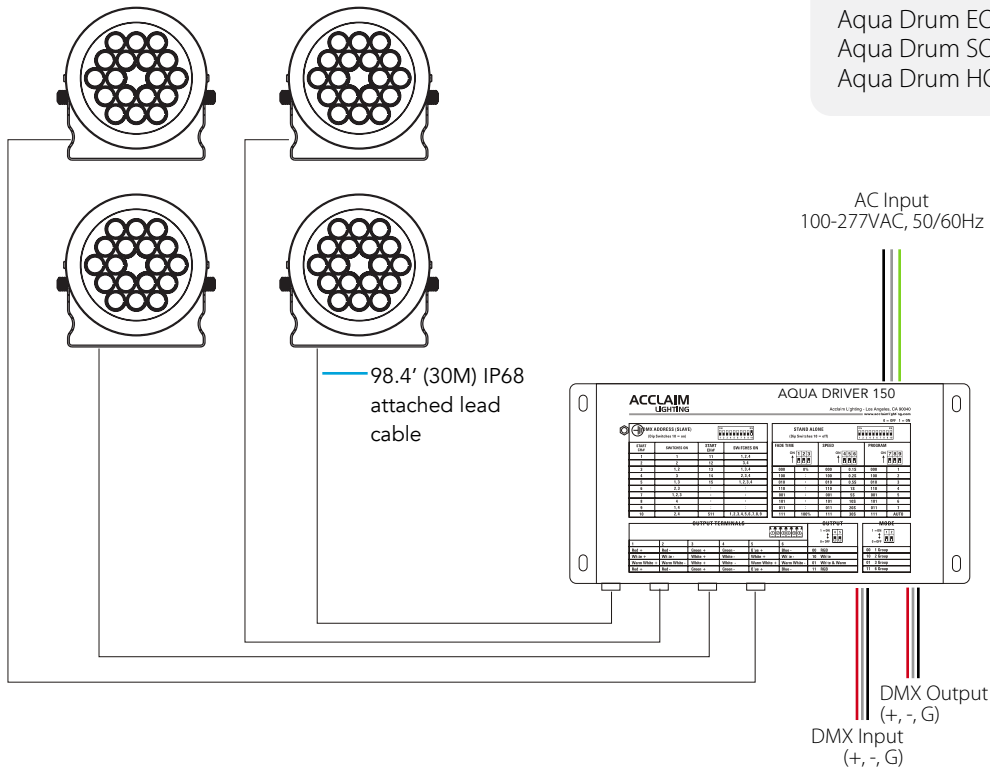




## WIRING



**Ensure proper current selection on the driver:**  
See chart to the right  
Do not mix 350mA and 700mA units on the same driver



### Maximum fixtures per Aqua Driver 150:

Aqua Drum EO : 4 units, 350mA

Aqua Drum SO : 4 units, 350mA

Aqua Drum HO : 4 units, 700mA

### Maximum fixtures per Aqua Driver 400:

Aqua Drum EO : 8 units, 350mA

Aqua Drum SO : 8 units, 350mA

Aqua Drum HO : 8 units, 700mA

## PHOTOMETRICS

Size / Color Temp	Lumens	Center Candela	Efficacy (l/pw)	CRI (Ra)	CRI (r9)
EO, 2700K	668	8006	41	81.5	-
SO, 3500K	1568	20055	64	82.7	-
HO, 4000K	3259	41849	73	80.8	-
EO, RGBW	424	6502	27	-	-

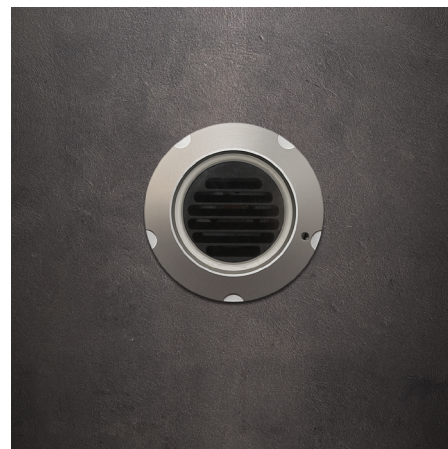
# ZXL-SLR-3.0

LED Step Marker . ZXL-SL Series



## Product Features

- Compact Recessed fixture for wall, soffit, or in-grade installation. Perfect for step light, under the eave light, or in grade marker light.
- ETL outdoor wet location listed. IP65 standard.
- Machined from solid billet 6061-T6 corrosion resistant aluminum. Available in stainless steel trim bezel and outer housing.
- 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.

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

**Wattage:** 5W HK LED.

**Light Source:** CRI 83. Available in CRI95 upon request. The chromaticity range is within a 3-step MacAdam 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:** Additional glare control accessories are available in different styles. See page 3 for details. Additional glare control accessories are available in different styles. See page 3 for details.

## Ordering Guide

EXAMPLE: ZXL-SLR-3.0 - 12V - 5 - 27- 20 - BK - A - MB

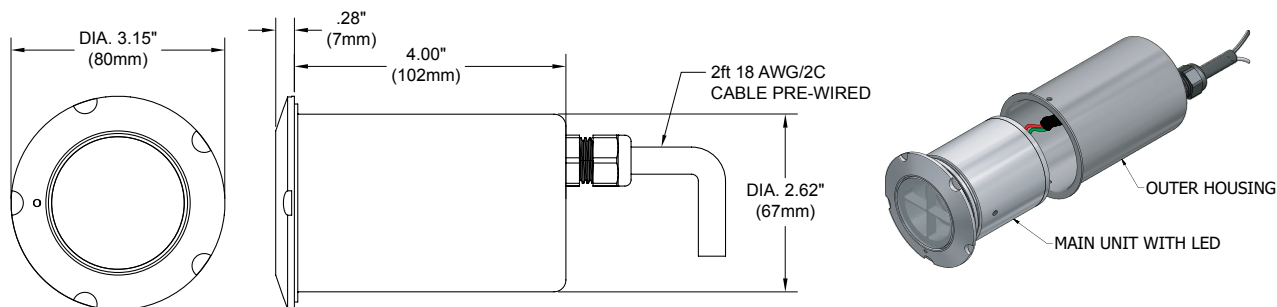
SERIES	MATERIAL	VOLTAGE	WATTAGE	CCT	OPTICS	FINISH	OPTIC ACCESSORIES	OPTIONAL MOUNTING ACCESSORIES
ZXL-SLR-3.0	-	12V	-	-	-	-	-	-
	BLANK Aluminum(Standard)		5 5W	27 2700K	15 15°	Standard	A, B, D (see page 3 for details).	See page 3 for quick reference.
	NBR Natural Brass			30 3000K	27 27°	BK Black Powder Coat		
	NSS Natural Stainless Steel			40 4000K	42 42°	BZ Bronze Powder Coat		
	CU Natural Copper				48 48°	WT White Powder Coat		
						Premium		
						ABK Anodized Black		
						ACL Anodized Clear		
						CC Custom Powder Coat		

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.

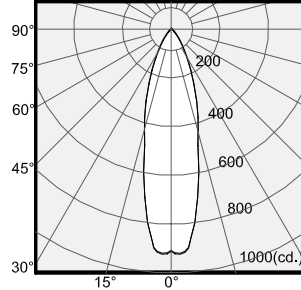


## Photometry & Energy Data

### MODEL ZXL-SLR3.0-5W-N

Input Power	5.2W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	83
Beam Angle	27.3°
Max. Candlepower	926cd
Delivered Lumens	375.2lm
Efficacy	72lm/W

### Polar Graph - Intensity



### Cone of Light - Illuminance

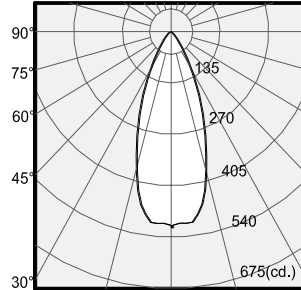
Center Beam (fc)	Beam Diameter	Distance
232	1.0'	2.0'
58	2.0'	4.0'
26	3.0'	6.0'
15	4.0'	8.0'
9	5.0'	10.0'

1/2 Beam Angle: 27.3°

### MODEL ZXL-SLR3.0-5W-M

Input Power	5.2W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	83
Beam Angle	42.4°
Max. Candlepower	513cd
Delivered Lumen	324lm
Efficacy	62lm/W

### Polar Graph - Intensity



### Cone of Light - Illuminance

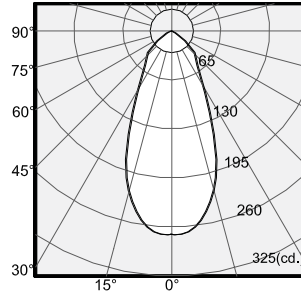
Center Beam (fc)	Beam Diameter	Distance
128	1.6'	2.0'
32	3.1'	4.0'
14	4.7'	6.0'
8	6.2'	8.0'
5	7.8'	10.0'

1/2 Beam Angle: 42.4°

### MODEL ZXL-SLR3.0-5W-W

Input Power	5.2W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	83
Beam Angle	47.7°
Max. Candlepower	279cd
Delivered Lumen	261lm
Efficacy	50lm/W

### Polar Graph - Intensity



### Cone of Light - Illuminance

Center Beam (fc)	Beam Diameter	Distance
70	1.8'	2.0'
17	3.5'	4.0'
8	5.3'	6.0'
5	7.0'	8.0'
3	8.8'	10.0'

1/2 Beam Angle: 47.7°

### CCT Multiplier Table

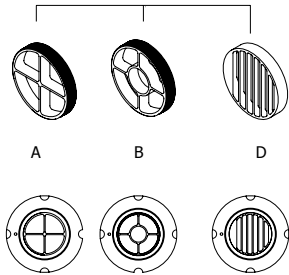
Color Temp.	Multiplier
2700k	0.97
3000k	1.00
4000k	1.03

## Product Options & Accessories

---

### Optical Accessories

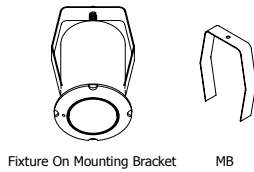
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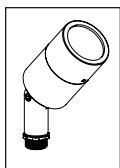
### Mounting Accessories

---

Mounting Bracket:



### Notes



# NITE STAR™

PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

## CATALOG NUMBER LOGIC

	NS	LED	e60	NSP	BT	BZP	12	11	360SL
Example	NS	LED	e60	NSP	BT	BZP	12	11	360SL
Material	Blank - Aluminum	B - Brass	S - Stainless Steel						
Series	NS - Nite Star™								
Source (Requires low voltage transformer)	LED - 'e' Technology with Integral Dimming Driver (See Specifications for Dimming) Designed for use with remote 12VAC BKSSL® transformers. Requires magnetic Low Voltage Dimmer.								
LED Type	Bluetooth® Wireless Control*	Adjust-e-Lume®**							
	e60 - 8.5WLED/2700K	e62 - 8.5WLED/4000K	e64 - 7WLED/2700K	e66 - 7WLED/4000K					
	e61 - 8.5WLED/3000K	e63 - 8.5WLED/Amber	e65 - 7WLED/3000K	e74 - 7WLED/Amber					
Optics	NSP - Narrow Spot (Red Indicator)	MFL - Medium Flood (Yellow Indicator)							
	SP - Spot (Green Indicator)	WFL - Wide Flood (Blue Indicator)							
Adjust-e-Lume® (Specify Wireless or Manual Control)	BT - Bluetooth® Wireless Control (iOS device required. By Others. *For use with e60, e61, e62, e63)								
	A9 (Standard), A8, A7, A6, A5, A4, A3, A2, A1 (Choose Output Intensity. **For use with e64, e65, e66, e74)								
Finish									

Aluminum Finish			Brass Finish		Premium Finish					
Powder Coat Color	Satin	Wrinkle	Machined	MAC	ABP	Antique Brass Powder	CMG	Cascade Mountain Granite	RMG	Rocky Mountain Granite
Bronze	BZP	BZW	Polished	POL	AMG	Aleutian Mountain Granite	CRI	Cracked Ice	SDS	Sonoran Desert Sandstone
Black	BLP	BLW	Mitique™	MIT	AQW	Antique White	CRM	Cream	SMG	Sierra Mountain Granite
White (Gloss)	WHP	WHW	Stainless Finish		BCM	Black Chrome	HUG	Hunter Green	TXF	Textured Forest
Aluminum	SAP	—	Machined	MAC	BGE	Beige	MDS	Mojave Desert Sandstone	WCP	Weathered Copper
Verde	—	VER	Polished	POL	BPP	Brown Patina Powder	NBP	Natural Brass Powder	WIR	Weathered Iron
			Brushed	BRU <small>Interior use only.</small>	CAP	Clear Anodized Powder	OCP	Old Copper	Also available in <b>RAL Finishes</b> <i>See submittal SUB-1439-00</i>	

Lens Type	12 - Soft Focus Lens	13 - Rectilinear Lens
Shielding	11 - Honeycomb Baffle	
Option	360SL - 360SL™ Rotational Knuckle Mounting System	

DRIVER DATA	Input Volts	InRush Current	Operating Current	Dimmable	Operation Ambient Temperature
	12VAC/DC 50/60Hz	<250mA (non-dimmed)	700mA	Magnetic Low Voltage Dimmer	-22°F-194°F (-30°C - 90°C)

## LM79 DATA

BK No.	CCT (Typ.)	Input Watts (Typ.)	CRI (Ra. Typ.)
e60	2700K	8.5	80
e61	3000K	8.5	80
e62	4000K	8.5	80
e63	Amber (590nm)	8.5	~
e64	2700K	7.0	80
e65	3000K	7.0	80
e66	4000K	7.0	80
e74	Amber (590nm)	7.0	~

## L70 DATA

Minimum Rated Life (hrs.) 70% of initial lumens(L70)
50,000
50,000
50,000
50,000
50,000
50,000
50,000
50,000

## OPTICAL DATA

Beam Type	Angle	e62 CBCP	e66 CBCP	Visual Indicator
Narrow Spot	13°	7578	6889	Red Dot
Spot	15°	5748	5225	Green Dot
Medium Flood	23°	2182	1984	Yellow Dot
Wide Flood	31°	1430	1300	Blue Dot

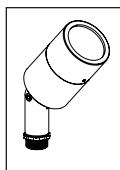
# B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA  
559.438.5800 • FAX 559.438.5900  
www.bklighting.com • info@bklighting.com

SUBMITTAL DATE  
06-07-16

DRAWING NUMBER  
SUB-2482-00

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# NITE STAR™

PROJECT:

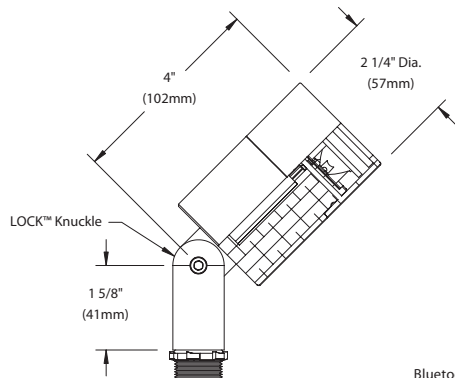
TYPE:

SIDE VIEW

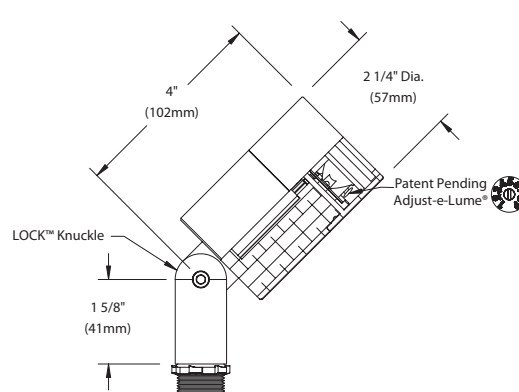
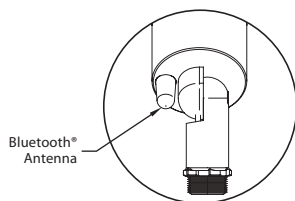


iOS DEVICE (by Others)

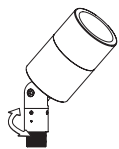
SIDE VIEW



REAR VIEW



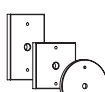
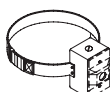
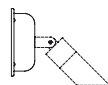
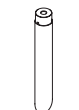
360SL™



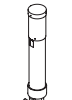
Accessories (Configure separately)

All dimensions indicated on this submittal are nominal. Contact Technical Sales if you require more stringent specifications.

Mounting:



Remote Transformers:



Horizontal Rotation  
(Optional 360SL™ Knuckle)

## SPECIFICATIONS

### GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced on site. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult [www.bklighting.com/greensource](http://www.bklighting.com/greensource) for program requirements.

### Materials

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

### Body

Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

### Knuckle

The LOCK™ (Locking 'O' Ring Compression Knuckle) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. 1/2" pipe thread for mounting.

Optional 360SL™ additionally provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

### Cap

Fully machined. Accommodates [1] lens or louver media. Flush lens.

### Lens

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

### BKSSL®

Integrated solid state system with 'e' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components.

Integral, constant current driver. 12VAC/VDC input. 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current. Output, over-voltage, open-circuit, and short circuit protected. Inrush current limited to <250mA (non-dimming). Conforms to Safety Std. C22.2 No. 250.13-12.

### Dimming

Line voltage dimmable via magnetic low voltage dimmer. For use with low voltage dimmer with dedicated neutral conductor. For purposes of dimming: Remote magnetic transformer with BKSSL® Power of 'e' technology loads should be loaded to 25% of the transformer VA (watts) rated value.

### Inspiration (Bluetooth® Wireless Technology)

Wireless communication system creates dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed as conditions require via exclusive mobile application. App available at the Apple iTunes® Store. Wireless control up to 40 feet.

### Bluetooth® Connectivity Requirements

iOS device (by Others) with installed Inspiration Control System App is required for Bluetooth® Wireless Control. Bluetooth® version 4.0 or higher required. iOS Devices with Bluetooth® version 4.0 or higher include: iPhone® (4S or newer); iPad® (3rd generation iPad or newer); iPad mini®; iPad Air®; iPod® (iPod touch® 5th generation or newer).

### Adjust-e-Lume® (Pat. Pending)

Integral electronics allows dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed as conditions require. Specify factory preset output intensity.

### Optics

Interchangeable OPTIKIT™ modules permit field changes to optical distribution. Color-coded for easy reference: Narrow Spot (NSP) = Red. Spot (SP) = Green. Medium Flood (MFL) = Yellow. Wide Flood (WFL) = Blue.

### Remote Transformer

For use with 12VAC BKSSL remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.

### Wiring

Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

### Hardware

Tamper-resistant, stainless steel hardware. LOCK™ aiming screw is additionally black oxide treated for additional corrosion resistance.

### Finish

StarGuard®, our exclusive RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish. Stainless steel components are available in handcrafted metal finish. (Brushed finish for interior use only).

### Warranty

5 year limited warranty.

### Certification and Listing

ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA /ANSI Standards. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. IP66 Rated. Made in USA.



Bluetooth® is a registered trademark of Bluetooth SIG, Inc.  
Teflon® is a registered trademark of DuPont Corporation.  
Energy Star® is a registered trademark of the United States Environmental Protection Agency.  
iTunes® is a trademark of Apple Inc.

# B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA  
559.438.5800 • FAX 559.438.5900  
[www.bklighting.com](http://www.bklighting.com) • [info@bklighting.com](mailto:info@bklighting.com)

RELEASED  
06-07-16

DRAWING NUMBER  
SUB-2482-00

# LAMP & DRIVER DATA

**e64, e65, e66, e74**

DRIVER DATA	Input Volts	InRush Current	Operating	Dimmable	Operation Ambient Temperature
	12VAC/DC 50/60Hz	<250mA (non-dimmed)	700mA	Magnetic Low Voltage Dimmer	-22°F-194°F (-30°C - 90°C)

LM79 DATA				L70 DATA	OPTICAL DATA		
BK No.	CCT (Typ.)	CRI (Typ.)	Input Watts (Typ.)	Minimum Rated Life (hrs.) 70% of initial lumens (L70)	Angle	CBCP	Delivered Lumens
e64	2700K	80	7	50,000	13°	5993	456
	2700K	80	7	50,000	16°	4546	445
	2700K	80	7	50,000	23°	1726	397
	2700K	80	7	50,000	31°	1131	399
e65	3000K	80	7	50,000	13°	6131	466
	3000K	80	7	50,000	16°	4650	455
	3000K	80	7	50,000	23°	1766	406
	3000K	80	7	50,000	31°	1157	409
e66	4000K	80	7	50,000	13°	6889	524
	4000K	80	7	50,000	16°	5225	511
	4000K	80	7	50,000	23°	1984	456
	4000K	80	7	50,000	31°	1300	459
e74	Amber (590nm)	~	7	50,000	~	~	~

## OPTICS

Optic	Angle
NSP - Narrow Spot	13°
SP - Spot	16°
MFL - Medium Flood	23°
WFL - Wide Flood	31°



RED **Narrow Spot (NSP)**  
GREEN **Spot (SP)**  
YELLOW **Medium Flood (MFL)**  
BLUE **Wide Flood (WFL)**

### NARROW SPOT : 13°

Distance		Beam Dia.	Footcandles		
			e64 2700K	e65 3000K	e66 4000K
4'		1'	375	384	431
8'		2'	94	96	108
12'		3'	42	43	48
16'		4'	23	24	27
20'		5'	15	15	17

If using No. 11 Honeycomb Baffle, multiply footcandle values by .80.

#### NOTE:

Adjust-e-Lume® dial is set to the factory standard: 9

### SPOT : 15°

Distance		Beam Dia.	Footcandles		
			e64 2700K	e65 3000K	e66 4000K
4'		1'	284	291	327
8'		2'	71	73	82
12'		3'	32	32	36
16'		4'	18	18	20
20'		5'	11	12	13

If using No. 11 Honeycomb Baffle, multiply footcandle values by .80.

### MEDIUM FLOOD : 23°

Distance		Beam Dia.	Footcandles		
			e64 2700K	e65 3000K	e66 4000K
4'		2'	108	110	124
8'		3'	27	28	31
12'		5'	12	12	14
16'		7'	7	7	8
20'		8'	4	4	5

If using No. 11 Honeycomb Baffle, multiply footcandle values by .80.

### WIDE FLOOD : 31°

Distance		Beam Dia.	Footcandles		
			e64 2700K	e65 3000K	e66 4000K
4'		2'	71	72	81
8'		4'	18	18	20
12'		7'	8	8	9
16'		9'	4	5	5
20'		11'	3	3	3

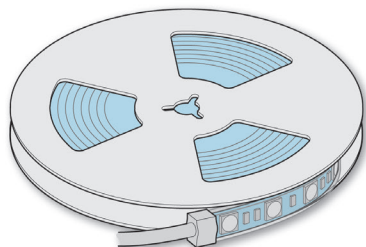
If using No. 11 Honeycomb Baffle, multiply footcandle values by .80.





# FLEX SPECTRUM EXTERIOR™

**ACCLAIM**  
LIGHTING



**Spectrum**  
TECHNOLOGY

Client:	
Project:	
Type:	
Order Code:	
Quantity:	

**Flex Spectrum Exterior** is an IP68, RGBW flexible LED circuit strip. It is available in a 16.4' spool, and designed to give you a wide range of color to choose from in applications where both color and dedicated white are required. By mixing blue with 3000K inside the quad color diode, you can get white in a range from 3000K-7000K, while maintaining an >80 CRI.

## SPECIFICATIONS

Color Temperature	RGBW (W = 3000K)
Spool Length + Cut Points	16.4' (5m), Cut points every 4" (102mm)
Beam Angle	120°
Max Fixture Runs	16.4' (5m) - 1 spool maximum
Photometrics	See page 3
Available Dimming Protocols	DMX, RDM, 0-10V (source), DALI
Mounting	10 plastic mounting clip + screws included, optional aluminum channels
Power Consumption	90W @ 16.4' (1 Spool), 5.4W per foot
Operating Voltage	24VDC
Lumen Maintenance	L70 @ 50,000 Hours (25° C)
Finish	White
Housing Material	Copper strip, silicone jacket
Ambient Operating Temperature	-40°F to 122°F (-40°C to 50°C)
IP Rating	IP68, Wet Location and Submersible (do not submerge feed ends - install in an enclosure)
Fixture Connectors	3.28' (1m) Attached feed cable included
Warranty	3 Years Standard, 5 Years Optional (additional charge)
Weight	1 lbs (0.5 kg)
Dimensions	W 0.63" x H 0.2" x L 16.4' (16 x 5 x 5000mm)

### Certifications



## ORDER CODES

\* Indicates Special Order

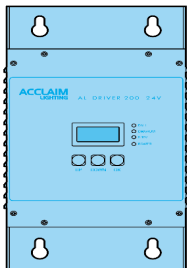
Model

**FLEXSE**

Color:  
S = RGBW (W=3000K)

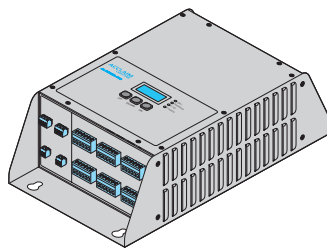
## RELATED COMPONENTS

### Drivers



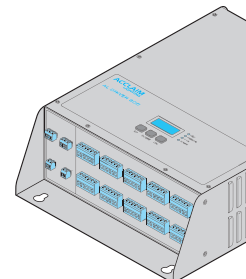
#### ALD-200-24

AL Driver 200 24V, 2 spools max  
200W 24V power supply + DMX,  
0-10V (source) & DALI driver  
4 output ports, 100-277VAC input



#### ALD-400-24

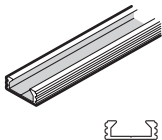
AL Driver 400 24V, 4 spools max  
400W 24V power supply + DMX,  
0-10V (source) & DALI driver  
6 output ports, 100-277VAC input



#### ALD-800-24

AL Driver 800 24V, 8 spools max  
800W 24V power supply + DMX,  
0-10V (source) & DALI driver  
10 output ports, 100-277VAC input

**Flex Channels** (See individual channel spec sheets for accessory details)



#### FLX477

Flex spectrum channel low profile  
4' (1.21m)



#### FCLPEC1

End cap (1 pc)



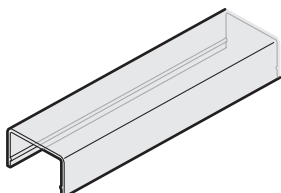
#### FLX111

Mounting clip / joiner



#### FLX113

45° Mounting clip kit (2 pcs)



**FLX LP CL4**  
Clear Lens, 4'

**FLX LP FL4**  
Frost Lens (50% diffusion) 4'

**FLX LP OL4**  
Opal Lens (100% diffusion) 4'

WIRING

Wire size guide

Gauge	Cond.	Max feet to flex
18 AWG	5	40
14 AWG	5	100
12 AWG	5	180

PHOTOMETRICS

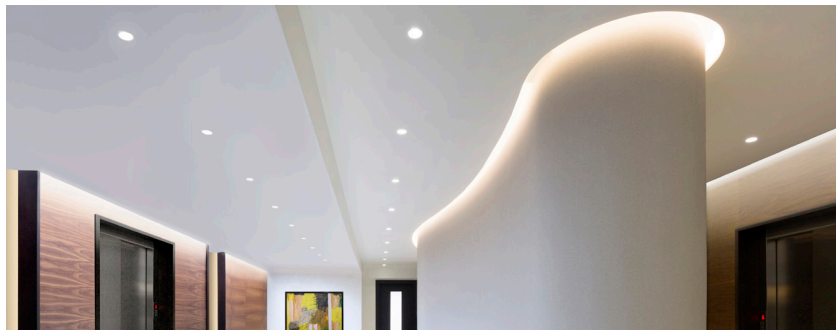
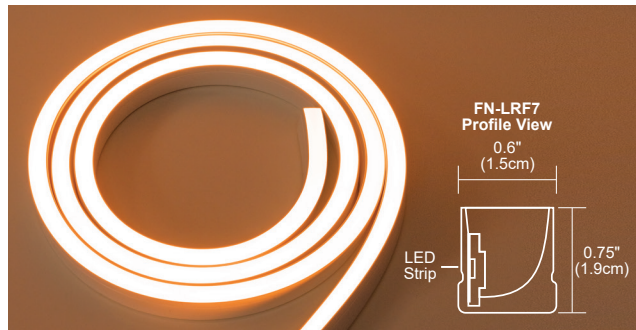
Color	Lumens (p/foot)	Center Candela	Efficacy (l/pw)	CRI (Ra)	CRI (r9)
RGBW	232	62.6	37.7	>80 (White)	N/A

# FLEX NEON LRF7 0.7" FLAT LENS INDOOR/OUTDOOR

24VDC, 2W | 5W | 7W BENDS LEFT/RIGHT STATIC WHITE, WARM DIM & TUNABLE WHITE

ASSEMBLED IN AMERICA

REV 09.01.22



## DESCRIPTION

LRF7 Flexible Neon Bends Left to Right with a 0.7" wide Flat lens, producing superior color quality and performance while creating uniform illumination without visible dots. Flex Neon LRF7 can be surface mounted or flush mounted. Choose from 9 different color temperatures ranging from 2000K to 3500K, including two Warm Dim options of 2400K (**24D**) or 2700K (**27D**) and Tunable White (**2K6K**). Tunable White technology grants independent control for adjusting LED color temperature and brightness. Use with two dimmers or, our proprietary Tunable White Controller (**CDMX-1**) for fast and accurate adjustment with three pre-set scenes (Ordered separately). The (**W**) is an IP67 rated wet location fixture featuring watertight barrel connections. The (**S**) Seamless (for continuous, seamless runs), is rated for Indoor Damp Locations ONLY and uses Class 2 bare wire connectors. Fixture includes a 5-year pro-rated warranty. Patent pending.

## SPECIFICATIONS

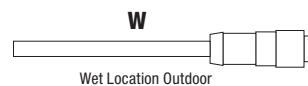
Flat top view 0.7" wide 0.75" high

INPUT	24VDC with 5" leads
POWER SUPPLIES	Remote 24VDC power supply required
POWER CONSUMPTION	2.5, 4.4 or 7.3 watts per foot
INCREMENTS	2.4" or 3"
MAX LENGTH	2W - 40', 5W- 20', 7W- 12'
MATERIAL	UV Resistant PVC
OPERATING TEMPERATURE	-4° F (-20° C) to 122° F (+50° C)
AVERAGE LED LIFE	50,000 hrs
WARRANTY	5 Year pro-rated
COMPLIANCE	Class 2 Wiring Indoor Applications, Outdoor Wet Location with Water Tight Barrel Connectors IP67 Rated, ETL listed

## LUMEN PERFORMANCE AT 3000K 7W PER FOOT

(SEE COMPLETE CHART PG 2)

LUMEN OUTPUT	480 lm/ft	EFFICIENCY	66 lm/watt
CRI	94	R9	76
BEAM ANGLE	120°	BEAM TOLERANCE	+/- 30CCT



## REMOTE POWER SUPPLIES\*, DIMMERS & CONTROLS (SOLD SEPARATELY)

24VDC, Class 2 wiring

### OUTDOOR/WET LOCATION

#### Static White & Warm Dim

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

#### Tunable White

- [Pure Smart™ WIZ Pro Power Supplies & Controls](#)
- [0-10V](#): Requires two dimmers, one for intensity and one for color temperature
- [DMX Dynamic Color Changing](#): Must be used with PureEdge [Controllers](#)

### INDOOR

#### Static White & Warm Dim

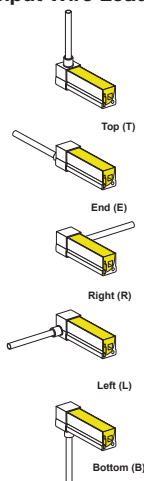
- [Pure Smart™ WIZ Pro Power Supplies & Controls](#)
- [UNI Driver: Universal Dimming \(TRIAC, ELV, 0-10V\)](#)

#### Tunable White

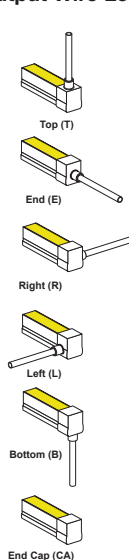
- [Pure Smart™ WIZ Pro Power Supplies & Controls](#)
- [0-10V](#): Requires two dimmers, one for intensity and one for color temperature
- [DMX Dynamic Color Changing](#): Must be used with PureEdge [Controllers](#)

\*In-Wall Mounting and drop ceiling Kits available for select power supplies

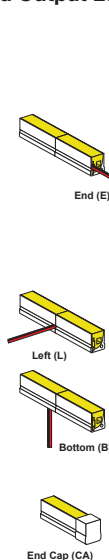
### Wet Location Input Wire Leads



### Wet Location Output Wire Leads



### Seamless Indoor Input and Output Leads



System	Viewing Angle Model Shape	Wattage	Length in Inches	Color Temperature	5 Inch Input Wire Feed	5 Inch Output Wire	Environment
<b>FN</b>	<b>LRF7</b>	<b>2W</b>	<b>120</b>	<b>27K</b>	<b>E</b>	<b>L</b>	<b>W</b>
FN Flex Neon 24V	LRF7 Left or Right side bend, Flat top view 0.7" x 0.75"	2W 2.5 watts per foot 5W 5 watts per foot 7W 7.5 watts per foot	6-480 (40ft max) 6-240 (20ft max) 6-144 (12ft max)	20K 2000K Candle Light White 22K 2200K Amber White 24K 2400K Very Warm White 24D* 2400K Warm Dim, Dims to 1800K 27K 2700K Incandescent White 27D* 2700K Warm Dim, Dims to 2000K 30K 3000K Warm White 35K 3500K Neutral White 2K6K* Tunable White 2000K-6500K	T Top Power Input Wire E* End Power Input Wire L* Left Power Input Wire R Right Power Input Wire B* Bottom Power Input Wire	T Top Wire Lead Out E* End Wire Lead Out L* Left Wire Lead Out R Right Wire Lead Out B* Bottom Wire Lead Out CA Cap at end, no feed through	S Seamless Indoor/ Damp location bare wire leads Bottom and Left Feed Only W Outdoor wet location Barrel Connector cable leads
				*Static & Tunable White: 2.4" Increments Warm Dim: 3" increments *5W Only	*Seamless indoor: E, L, B Only		

PROJECT		FIXTURE TYPE		DATE	
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# FLEX NEON LRF7 0.7" FLAT LENS INDOOR/OUTDOOR

24VDC, 2W | 5W | 7W BENDS LEFT/RIGHT STATIC WHITE, WARM DIM & TUNABLE WHITE

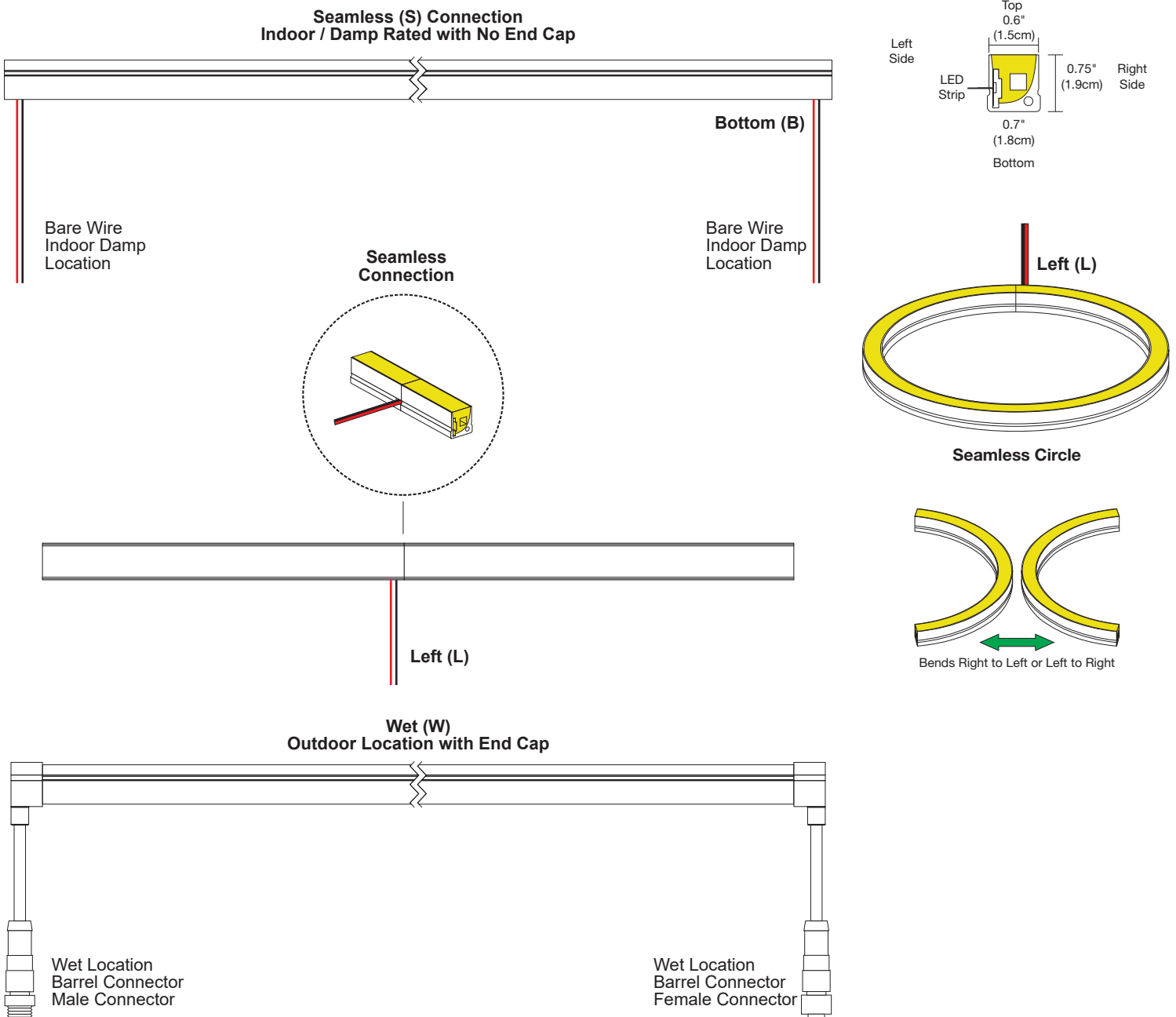
## Lamp Data: Lamp Data for Flex Neon LRF7

	FN-LRF7																							
WATTS PER FOOT	2W (2.5 watts)								5W (5 watts)								7W (7.5 watts per ft)							
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	20K	22K	24K	24D*	27K	27D*	30K	35K	57K	22K	24K	27K	30K	35K	57K	
LUMENS PER FOOT (lm/ft)	118	133	147	162	177	203	220	234	208	233	259	357	285	390	311	356	412	360	399	439	480	549	636	
LUMENS PER WATT (lm/w)	47	53	59	65	71	81	88	94	47	53	59	74	65	81	71	81	94	49	55	60	66	75	87	
CRI	92	92	92	93	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	

2K6K*																
WATTS PER FOOT	5w															
COLOR TEMPERATURE	20K		24K		27K		30K		35K		40K		57K		65K	
LUMENS PER FOOT (lm/ft)	203		226		259		269		279		276		273		272	
LUMENS PER WATT (lm/w)	39		42		58		58		59		60		61		62	
CRI	92		92		93		92		92		84		84		85	

\*Tunable White has a variance in color temperature due to the curvature of the material.

## Drawings: Dimensions for the Flex Neon LRF7

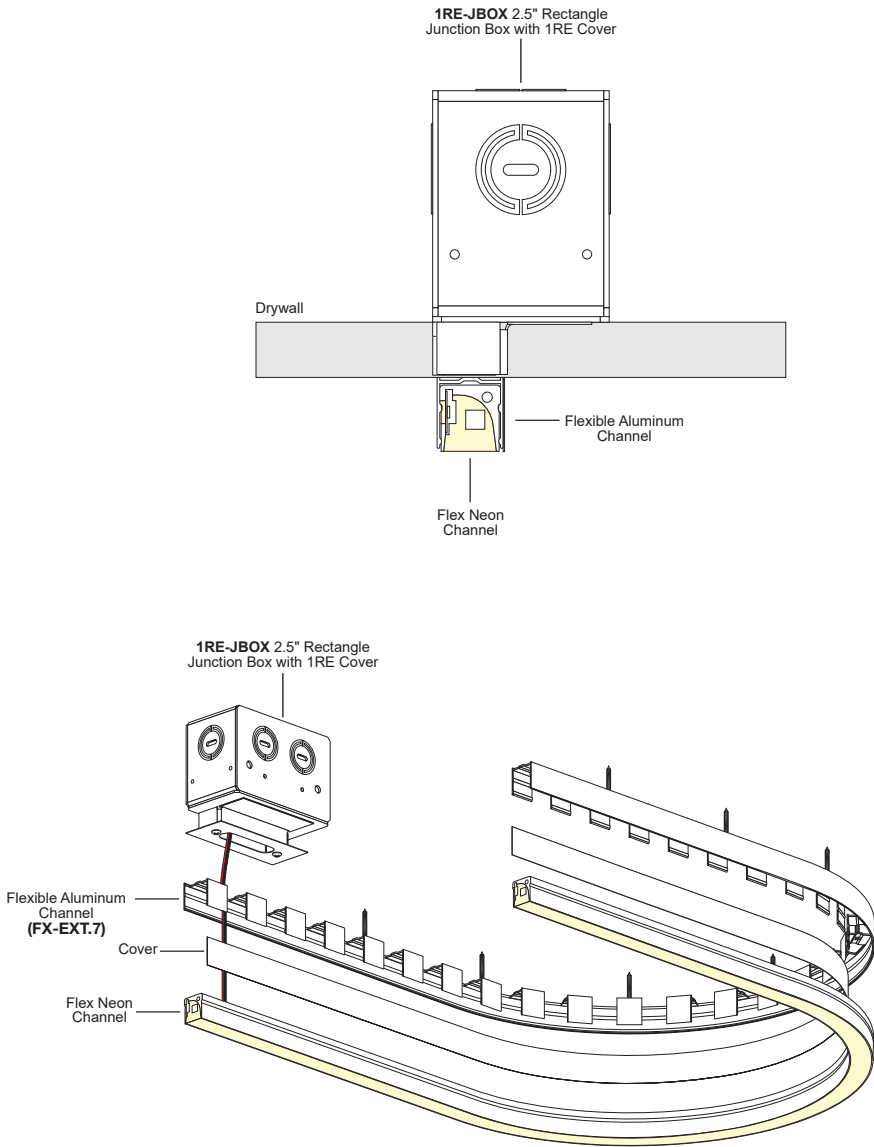


PROJECT	FIXTURE TYPE	DATE
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# FLEX NEON LRF7 0.7" FLAT LENS INDOOR/OUTDOOR

24VDC, 2W | 5W | 7W BENDS LEFT/RIGHT STATIC WHITE, WARM DIM & TUNABLE WHITE

**Drawings:** Exploded View for Flexible Aluminum Channel with 1RE J-box



PROJECT		FIXTURE TYPE		DATE	
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# FLEX NEON LRF7 0.7" FLAT LENS INDOOR/OUTDOOR

24VDC, 2W | 5W | 7W BENDS LEFT/RIGHT STATIC WHITE, WARM DIM & TUNABLE WHITE

## LENGTH CHART Actual lengths for Flex Neon LRF7

LENGTH CHART - STATIC WHITE									
Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length
3	3.15	99	99.15	195	195.15	291	291.15	387	387.15
5	5.55	101	101.55	197	197.55	293	293.55	389	389.55
8	7.95	104	103.95	200	199.95	296	295.95	392	391.95
10	10.35	106	106.35	202	202.35	298	298.35	394	394.35
12	12.75	108	108.75	204	204.75	300	300.75	396	396.75
15	15.15	111	111.15	207	207.15	303	303.15	399	399.15
17	17.55	113	113.55	209	209.55	305	305.55	401	401.55
20	19.95	116	115.95	212	211.95	308	307.95	404	403.95
22	22.35	118	118.35	214	214.35	310	310.35	406	406.35
24	24.75	120	120.75	216	216.75	312	312.75	408	408.75
27	27.15	123	123.15	219	219.15	315	315.15	411	411.15
29	29.55	125	125.55	221	221.55	317	317.55	413	413.55
32	31.95	128	127.95	224	223.95	320	319.95	416	415.95
34	34.35	130	130.35	226	226.35	322	322.35	418	418.35
36	36.75	132	132.75	228	228.75	324	324.75	420	420.75
39	39.15	135	135.15	231	231.15	327	327.15	423	423.15
41	41.55	137	137.55	233	233.55	329	329.55	425	425.55
44	43.95	140	139.95	236	235.95	332	331.95	428	427.95
46	46.35	142	142.35	238	238.35	334	334.35	430	430.35
48	48.75	144	144.75	240	240.75	336	336.75	432	432.75
51	51.15	147	147.15	243	243.15	339	339.15	435	435.15
53	53.55	149	149.55	245	245.55	341	341.55	437	437.55
56	55.95	152	151.95	248	247.95	344	343.95	440	439.95
58	58.35	154	154.35	250	250.35	346	346.35	442	442.35
60	60.75	156	156.75	252	252.75	348	348.75	444	444.75
63	63.15	159	159.15	255	255.15	351	351.15	447	447.15
65	65.55	161	161.55	257	257.55	353	353.55	449	449.55
68	67.95	164	163.95	260	259.95	356	355.95	452	451.95
70	70.35	166	166.35	262	262.35	358	358.35	454	454.35
72	72.75	168	168.75	264	264.75	360	360.75	456	456.75
75	75.15	171	171.15	267	267.15	363	363.15	459	459.15
77	77.55	173	173.55	269	269.55	365	365.55	461	461.55
80	79.95	176	175.95	272	271.95	368	367.95	464	463.95
82	82.35	178	178.35	274	274.35	370	370.35	466	466.35
84	84.75	180	180.75	276	276.75	372	372.75	468	468.75
87	87.15	183	183.15	279	279.15	375	375.15	471	471.15
89	89.55	185	185.55	281	281.55	377	377.55	473	473.55
92	91.95	188	187.95	284	283.95	380	379.95	476	475.95
94	94.35	190	190.35	286	286.35	382	382.35	478	478.35
96	96.75	192	192.75	288	288.75	384	384.75	480	480.75

# FLEX NEON LRF7 0.7" FLAT LENS INDOOR/OUTDOOR

24VDC, 2W | 5W | 7W BENDS LEFT/RIGHT STATIC WHITE, WARM DIM & TUNABLE WHITE

## LENGTH CHART Actual lengths for Flex Neon LRF7

### LENGTH CHART - WARM DIM

Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length	Ordering Code (Nominal Size)	Actual Length
3	3.75	123	123.75	243	243.75	363	363.75
6	6.75	126	126.75	246	246.75	366	366.75
9	9.75	129	129.75	249	249.75	369	369.75
12	12.75	132	132.75	252	252.75	372	372.75
15	15.75	135	135.75	255	255.75	375	375.75
18	18.75	138	138.75	258	258.75	378	378.75
21	21.75	141	141.75	261	261.75	381	381.75
24	24.75	144	144.75	264	264.75	384	384.75
27	27.75	147	147.75	267	267.75	387	387.75
30	30.75	150	150.75	270	270.75	390	390.75
33	33.75	153	153.75	273	273.75	393	393.75
36	36.75	156	156.75	276	276.75	396	396.75
39	39.75	159	159.75	279	279.75	399	399.75
42	42.75	162	162.75	282	282.75	402	402.75
45	45.75	165	165.75	285	285.75	405	405.75
48	48.75	168	168.75	288	288.75	408	408.75
51	51.75	171	171.75	291	291.75	411	411.75
54	54.75	174	174.75	294	294.75	414	414.75
57	57.75	177	177.75	297	297.75	417	417.75
60	60.75	180	180.75	300	300.75	420	420.75
63	63.75	183	183.75	303	303.75	423	423.75
66	66.75	186	186.75	306	306.75	426	426.75
69	69.75	189	189.75	309	309.75	429	429.75
72	72.75	192	192.75	312	312.75	432	432.75
75	75.75	195	195.75	315	315.75	435	435.75
78	78.75	198	198.75	318	318.75	438	438.75
81	81.75	201	201.75	321	321.75	441	441.75
84	84.75	204	204.75	324	324.75	444	444.75
87	87.75	207	207.75	327	327.75	447	447.75
90	90.75	210	210.75	330	330.75	450	450.75
93	93.75	213	213.75	333	333.75	453	453.75
96	96.75	216	216.75	336	336.75	456	456.75
99	99.75	219	219.75	339	339.75	459	459.75
102	102.75	222	222.75	342	342.75	462	462.75
105	105.75	225	225.75	345	345.75	465	465.75
108	108.75	228	228.75	348	348.75	468	468.75
111	111.75	231	231.75	351	351.75	471	471.75
114	114.75	234	234.75	354	354.75	474	474.75
117	117.75	237	237.75	357	357.75	477	477.75
120	120.75	240	240.75	360	360.75	480	480.75



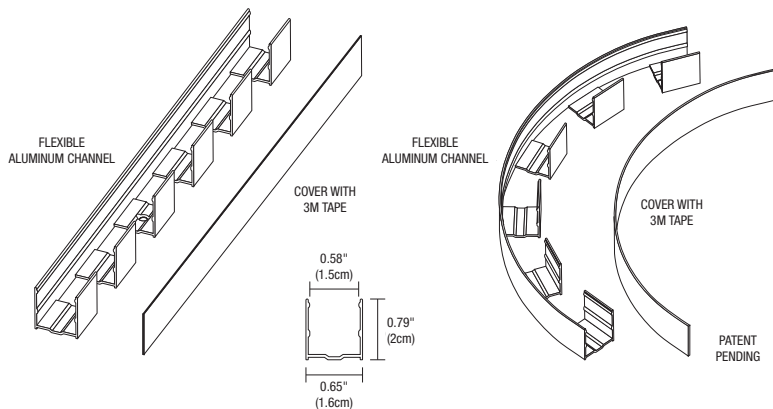


# FLEX NEON OUTDOOR ACCESSORIES

24VDC, 2W | 5W | 7W BENDS LEFT/RIGHT STATIC WHITE, WARM DIM & TUNABLE WHITE



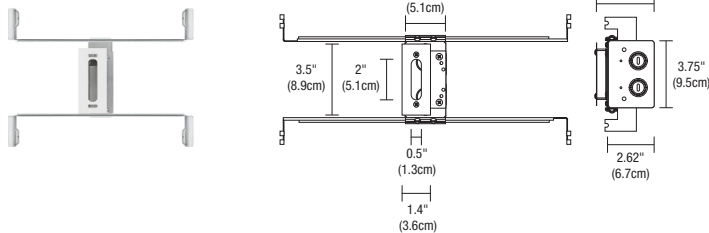
REV 08.23.22



## FLEXIBLE ALUMINUM CHANNEL

Flexible aluminum channel is designed to work specifically with Flex Neon for practical and professional mounting. The channel can make large radius 90° turns and sweeping bends that follow the form of architectural details, soffits, signage and more - consider using this channel to guide your linear LED lighting design. Patent Pending.

Product	Length	Finish
<b>FX-EXT.7</b>	<b>4FT</b>	<b>WH</b>
FX-EXT.7 Flexible Extrusion 0.7" Wide	4FT 4 Feet	BK Black WH White

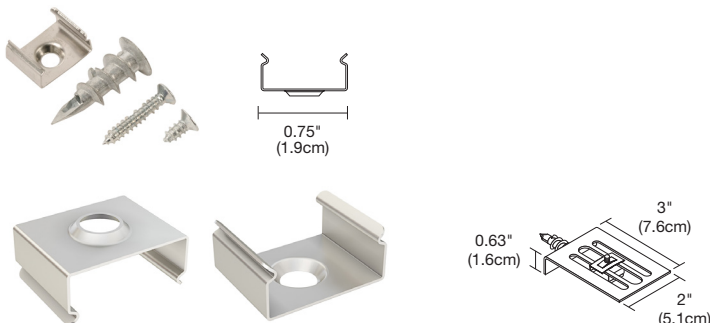


## 1" RECTANGLE CANOPY & J-BOX\*

The Slim-Profile Junction Box with Hanger Bars mounts to studs spaced between 14.5" and 25" apart behind drywall. Allows low voltage DC wires from Remote Power Supply to connect to channel wires. The Junction Box opening is covered by the fixture for a clean, safe connection. Includes a Goof Plate, for poor plastering around J-box.

\*Only to be used with Seamless Indoor Bottom Lead-In and Out

Canopy	Product
<b>1RE</b>	<b>JBOX</b>
1RE 1" Rectangle	JBOX Junction Box



## MOUNTING CLIPS

NX.5-MCL mounting clips are provided with every 12" of Flex Neon and may be ordered separately as replacement parts.

System	Product
<b>NX.5</b>	<b>MCL</b>
NX.5 Flex Neon .5" Mounting Clip	MCL Mounting Clip

PROJECT		FIXTURE TYPE		DATE	
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# FLEX NEON OUTDOOR ACCESSORIES

24VDC, 2W | 5W | 7W BENDS LEFT/RIGHT STATIC WHITE, WARM DIM & TUNABLE WHITE



REV 08.23.22

## FLEX NEON TIE STRAP

Use for mounting to poles for extra support, every 6"-12" (30 per package).



Product		Type
<b>SS</b>	-	<b>ST</b>
<b>SS</b> LED Flex Neon		<b>ST</b> Tie Strap

## DIRECT BURIAL LOCATION CABLE ORDER PER FOOT

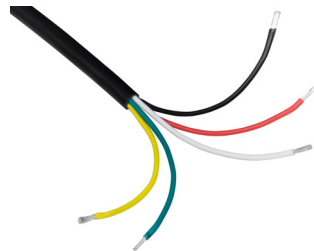
Our Direct Burial, 2 Conductor Plus ground, 12 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in outdoor wet and in ground environments. Keep within 60 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.



Product		Gauge		Cable
<b>DB</b>	-	<b>12G</b>	-	<b>2C</b>
<b>DB</b> Direct Burial		<b>12G</b> 12 Gauge		<b>2C</b> 2 Conductor

## 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>OC</b>	-	<b>14G</b>	-	<b>5C</b>
<b>OC</b> Outdoor Cable		<b>14G</b> 14 Gauge		<b>5C</b> 5 Conductor

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

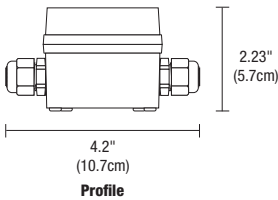
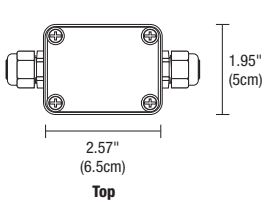
24VDC, 2W | 5W | 7W BENDS LEFT/RIGHT STATIC WHITE, WARM DIM & TUNABLE WHITE



REV 08.23.22

## 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

## WET LOCATION JUNCTION BOX WITH 6" POWER CABLE

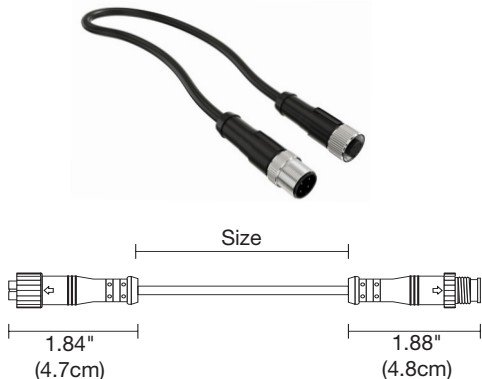
This watertight, multi-fixture Junction Box is especially designed for lighting in wet and damp locations. It is versatile, rugged and simple to install. The Junction Box comes standard with a 6" Flexible Cable providing easy, safe, and reliable connections for 24V low voltage luminaires. This box is 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 LED Soft Strip Flex Neon	2RE 2" Rectangle	JBOX Junction Box	6IN 6" Four Wire Connection	W Wet Location

## POWER CABLE CONNECTOR WET LOCATION

The flexible 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

## WET LOCATION T-CONNECTOR

Our Wet Location T-Connector is a robust rugged design especially suited to withstand the challenges of damp and wet environments. This unique T-Connector has one Male and two Female Connectors and is suitable for multiple indoor and outdoor uses. Versatile design is easy to use, making installation quick and efficient.



Product	Type	Option
<b>SS</b>	<b>TC</b>	<b>W</b>
SS Soft Strip and Flex Neon	TC T-Connector 4 Wire	W Wet Location

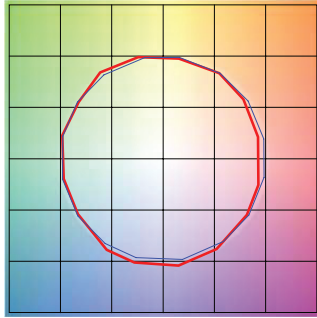
# LED STRIP TM30 DATA

24VDC, STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

**TM-30-15 DATA:** The data below is for ST2A, ST5A, ST7A and ST10A 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.

**2200K** | Rf: 90.5 | Rg: 99.9

Color Vector Graphic

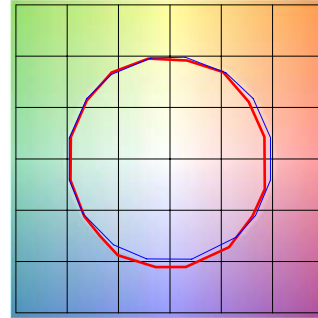


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	88.3	-5.2%	1.0%
2	90.1	-3.6%	3.7%
3	87.5	-0.5%	5.6%
4	93.9	-1.2%	1.3%
5	94.7	0.7%	2.1%
6	93.7	2.6%	0.7%
7	93.5	-1.5%	-2.2%
8	97.8	-0.4%	-0.2%
9	93.7	-1.5%	2.4%
10	90.8	-0.8%	4.9%
11	89.3	3.7%	5.4%
12	90.2	4.6%	1.0%
13	89.0	4.4%	-9.7%
14	75.4	0.6%	-15.1%
15	90.7	-1.7%	-5.0%
16	84.2	-4.4%	-9.1%

**2400K** | Rf: 90.2 | Rg: 99.3

Color Vector Graphic

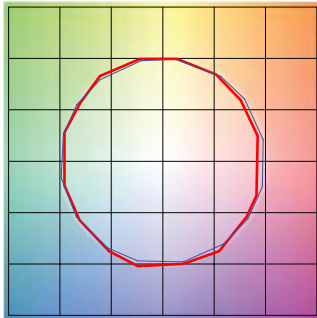


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	89.0	-4.8%	1.1%
2	90.4	-3.7%	3.2%
3	88.1	-0.7%	5.2%
4	93.0	-2.1%	0.9%
5	94.5	-0.1%	2.0%
6	94.7	1.7%	0.6%
7	93.7	-1.9%	-1.5%
8	96.8	-1.2%	0.2%
9	91.9	-1.8%	3.7%
10	88.8	-0.9%	6.1%
11	87.5	3.8%	7.1%
12	89.6	4.3%	0.3%
13	88.1	4.2%	-9.1%
14	82.5	2.8%	-10.6%
15	91.4	-2.1%	-4.2%
16	84.0	-3.6%	-9.9%

**2700K** | Rf: 89.5 | Rg: 98.3

Color Vector Graphic

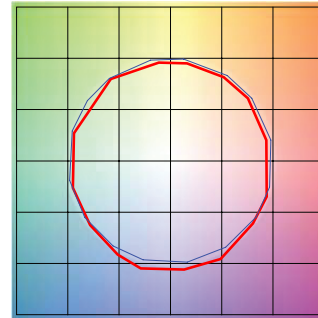


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	88.6	-5.2%	0.9%
2	90.3	-3.6%	2.9%
3	88.4	-1.5%	5.0%
4	91.9	-2.5%	1.4%
5	93.5	-0.9%	2.3%
6	95.7	0.9%	-0.4%
7	91.1	-3.7%	-0.5%
8	95.8	-2.0%	0.4%
9	90.5	-2.6%	4.5%
10	84.9	-1.1%	8.7%
11	85.0	2.3%	9.8%
12	88.1	5.5%	1.5%
13	90.9	2.9%	-5.2%
14	86.2	4.3%	-8.9%
15	90.7	-2.4%	-3.6%
16	83.0	-2.7%	-11.3%

**3000K** | Rf: 88.7 | Rg: 98.2

Color Vector Graphic

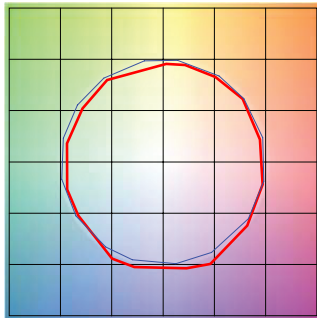


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	88.3	-5.2%	0.8%
2	90.2	-3.7%	2.7%
3	88.3	-1.6%	4.9%
4	92.2	-2.0%	1.8%
5	91.0	-3.5%	1.8%
6	95.8	0.4%	-0.4%
7	90.2	-4.4%	-0.0%
8	94.8	-2.6%	0.8%
9	89.2	-2.9%	6.0%
10	81.4	-1.5%	9.7%
11	82.9	2.3%	10.5%
12	88.3	6.7%	1.9%
13	91.9	2.8%	-4.0%
14	86.3	4.9%	-8.3%
15	87.1	-1.2%	-6.1%
16	83.2	-1.7%	-11.6%

**3500K** | Rf: 88.1 | Rg: 97.1

Color Vector Graphic

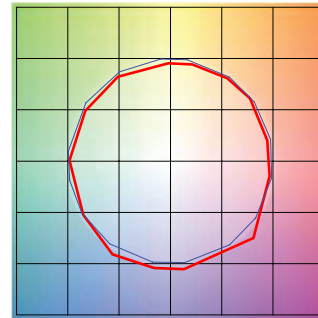


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	87.8	-5.2%	1.0%
2	90.8	-3.3%	2.3%
3	89.8	-1.6%	3.9%
4	91.0	-2.7%	0.9%
5	90.0	-5.4%	0.7%
6	95.6	-0.9%	-0.4%
7	90.0	-5.3%	1.4%
8	91.8	-3.6%	3.0%
9	87.1	-2.9%	7.3%
10	80.1	-1.3%	12.2%
11	81.8	4.1%	10.5%
12	88.2	5.1%	2.3%
13	92.4	2.1%	-3.8%
14	86.6	5.0%	-7.9%
15	86.2	-0.7%	-6.8%
16	84.5	-2.1%	-7.0%

**5700K** | Rf: 87.6 | Rg: 98.0

Color Vector Graphic



■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	87.9	-3.9%	1.5%
2	92.3	-1.7%	2.7%
3	91.0	-1.2%	2.4%
4	91.5	-1.2%	1.6%
5	86.2	-5.9%	-0.4%
6	93.5	-3.2%	-0.2%
7	93.1	-3.8%	0.6%
8	85.9	-4.6%	5.9%
9	83.6	-4.0%	12.7%
10	75.8	-0.6%	13.6%
11	80.2	4.3%	10.4%
12	83.4	3.4%	1.8%
13	90.8	5.0%	-2.0%
14	91.8	1.3%	-3.3%
15	79.4	8.6%	-12.7%
16	93.4	-2.7%	-0.2%

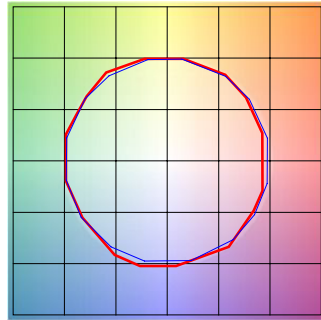
# LED STRIP TM30 DATA

24VDC, STATIC WHITE, WARM DIM & DYNAMIC/TUNABLE WHITE

**TM-30-15 DATA:** The data below is for ST2A, ST5A, ST7A and ST10A 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.

**2700D** | Rf: 90.7 | Rg: 101.1

Color Vector Graphic

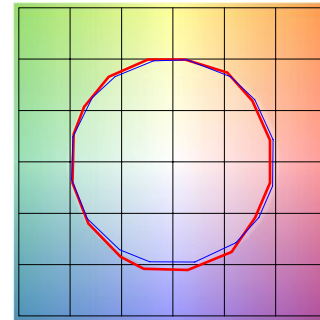


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	90.9	-4.1%	1.1%
2	91.8	-2.2%	3.2%
3	89.0	0.2%	5.0%
4	92.9	-1.1%	0.8%
5	93.9	1.1%	1.7%
6	93.3	3.3%	0.0%
7	93.1	-0.5%	-1.9%
8	97.2	-0.3%	-0.9%
9	93.4	-1.0%	3.2%
10	89.9	-0.1%	5.6%
11	87.0	4.7%	7.2%
12	89.2	5.8%	-0.2%
13	89.1	3.5%	-6.7%
14	86.3	4.1%	-9.2%
15	91.4	-2.0%	-3.6%
16	84.7	-2.1%	-10.3%

**3000D** | Rf: 90.6 | Rg: 101.1

Color Vector Graphic

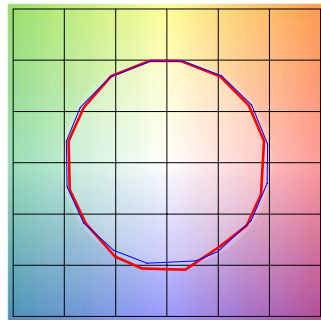


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	91.5	-3.5%	1.3%
2	92.2	-1.8%	3.0%
3	89.3	0.5%	4.8%
4	92.7	-1.1%	0.6%
5	93.3	0.5%	1.4%
6	93.8	2.7%	-0.8%
7	91.2	-2.1%	-0.2%
8	97.0	-0.5%	-0.7%
9	92.5	-0.7%	3.8%
10	88.3	0.9%	7.1%
11	87.5	3.9%	7.6%
12	88.2	6.2%	-0.2%
13	89.9	3.4%	-6.0%
14	86.9	4.4%	-8.5%
15	91.9	-1.9%	-2.9%
16	84.7	-1.3%	-10.6%

**2000K ONLY (2K4K)** | Rf: 90.6 | Rg: 98.5

Color Vector Graphic

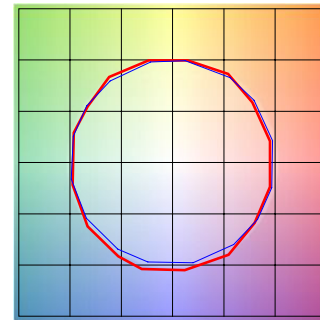


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	87.7	-5.5%	1.2%
2	88.7	-3.9%	4.2%
3	90.5	-1.5%	4.3%
4	95.0	-1.7%	0.8%
5	95.2	-0.2%	2.1%
6	94.2	1.6%	1.9%
7	95.9	-0.8%	-2.2%
8	95.5	-1.7%	1.3%
9	93.8	-1.4	2.6%
10	91.9	-0.7%	4.2%
11	91.3	3.6%	3.7%
12	91.2	4.2%	-1.0%
13	86.6	3.8%	-12.7%
14	67.2	-3.0%	-16.3%
15	84.9	-3.3%	-9.4%
16	84.2	-5.7%	-7.5%

**3000K (2K4K)** | Rf: 90.5 | Rg: 100.7

Color Vector Graphic

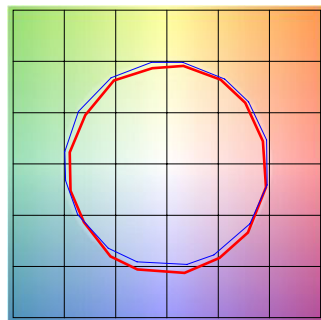


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	91.5	-3.5%	1.2%
2	92.4	-1.8%	2.7%
3	89.8	0.3%	4.5%
4	92.4	-1.7%	0.4%
5	93.3	-0.1%	1.4%
6	94.5	2.1%	-0.6%
7	91.0	-2.5%	0.3%
8	96.9	-0.8%	-0.2%
9	91.6	-0.9%	4.6%
10	86.7	0.7%	7.8%
11	86.3	3.8%	8.5%
12	88.3	6.1%	0.6%
13	90.9	3.1%	-5.2%
14	87.3	4.7%	-7.9%
15	92.1	-1.9%	-2.5%
16	84.5	-0.9%	-10.9%

**4000K ONLY (2K4K)** | Rf: 86.4 | Rg: 96.1

Color Vector Graphic

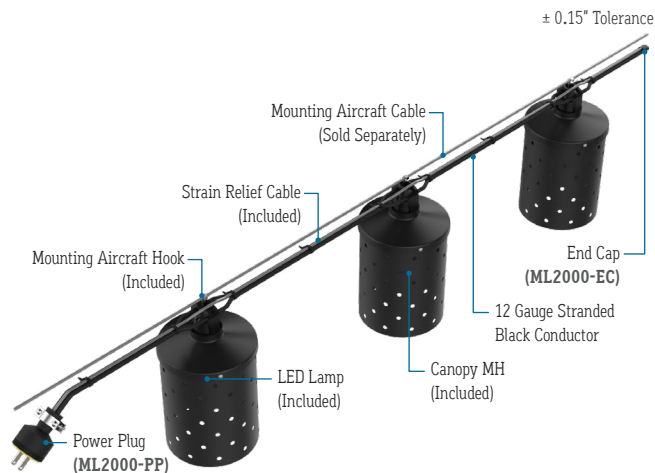


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	86.5	-5.5%	1.3%
2	90.4	-3.0%	2.3%
3	89.8	-2.1%	3.6%
4	89.1	-3.4%	0.4%
5	88.5	-5.9%	0.1%
6	93.6	-3.0%	-0.4%
7	88.9	-6.2%	1.7%
8	87.3	-5.0%	4.9%
9	82.4	-3.6%	11.3%
10	77.4	-1.8%	12.7%
11	79.8	4.9%	11.4%
12	88.7	4.4%	2.7%
13	88.7	4.0%	-5.1%
14	91.2	2.2%	-3.8%
15	82.7	-0.1%	-9.2%
16	82.8	-2.2%	-7.6%



CALIFORNIA  
ACCENT  
LIGHTING  
INC



#### FEATURES

APPLICATIONS	Indoor and Outdoor
LAMP	LED Lamp (Included)
LED LAMP LIFE	20,000 Hours
LENGTH	Built to Order
FINISH	Black
FEED	Standard 6' Power Lead
STRAIN RELIEF	Cable (Included, Not for Mounting)
MOUNTING	Mounting Aircraft Cable (Sold Separately)

LISTING	Dry or Wet Location ANSI/UL1598 CSA 22.2 No. 250.0-04, 2nd Edition
---------	--

OPTIONS	Mesh, Canopies, or Cages
UV RATING	Sun Light Resistance

BUG RATING	B0-U1-G0 Dark Sky Compliant*1
------------	----------------------------------

INSTALLATION	Link to Installation Instructions
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#### ELECTRICAL

DIMMING	Forward Phase
MAXIMUM RUN	100'
VOLTAGE	120V
SYSTEM	20 Amps (12 Gauge Wire)
WATTS	1W or 3W Lamps

#### PROJECT

#### TYPE



#### END VIEW



Canopy MH  
(ML2000-CMH)

#### ACCESSORIES (Sold Separately)



Power Plug  
(ML2000-PP)



End Cap  
(ML2000-EC)

#### LAMP SPECIFICATIONS

LAMP NUMBER	CORRELATED COLOR TEMPERATURE	DARK SKY COMPLIANT	COMPATIBLE SHAPES
2.4K	2400K Incandescent White	Yes	GSFL
2.7K	2700K Warm White	Yes	GSF, GSFL, SSF, SSC
3.0K	3000K Warm White	Yes	GSFL
5.0K	5000K Cool White	No	GSF, GSFL, SSF, SSC
A	Amber	No	SSC, GSF
R	Red	No	SSC, GSF
G	Green	No	SSC, GSF
B	Blue	No	SSC, GSF

SERIES	SPACING	LAMP	DIMMING	LISTING	CANOPY FINISH*2	FIXTURE LENGTH
ML2000-CMH	-	-	-	-	-	-
ML2000-CMH	12" O/C (12")	2.7K-GSF 5.0K-GSFL	Forward Phase (DM)	Indoor (DRY)	Natural (NA)	Specify Length in Feet Example: 100'
	18" O/C (18")	5.0K-GSF 2.7K-SSF	Leave Blank for Non-Dimming	Outdoor (WET)	Polished (PA)	
	24" O/C (24")	A-GSF 5.0K-SSF			White (WH)	
	36" O/C (36")	R-GSF 2.7K-SSC			Black (BK)	
	48" O/C (48")	G-BSF 5.0K-SSC			Green (GN)	
	60" O/C (60")	B-GSF A-SSC			Bronze (BR)	
		2.4K-GSFL R-SSC			Silver (SR)	
		2.7K-GSFL G-SSC			Red (RD)	
		3.0K-GSFL B-SSC				

\*1 For Dark Sky Compliant fixtures, use only 2.4K, 2.7K, or 3.0K LEDs

\*2 Standard Canopy Finish: Black (BK) if unspecified

#### CALIFORNIA ACCENT LIGHTING, INC.

2820 E. Gretta Lane, Anaheim, CA 92806

ph. 800.921.CALI (2254) | fx. 714.535.7902 | info@calilighting.com | calilighting.com

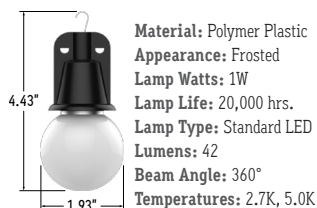
© CALI. All rights reserved. CALI reserves the right to make changes or withdraw specifications without prior notice.

marketLITE™  
Manufactured in the U.S.A.

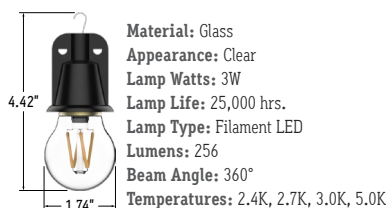




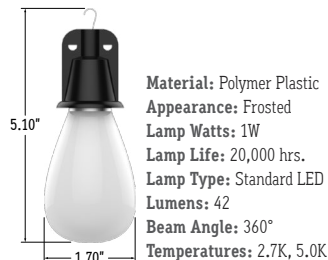
## LAMP OPTIONS



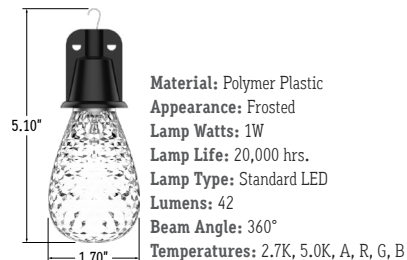
G Shape  
(GSF)



Filament G Shape  
(GSFL)



S Shape  
(SSF)



S Shape  
(SSC)

## MOUNTING ACCESSORIES (Sold Separately)



Mounting Plate  
(ML2000-MP)



Cable Lock  
(ML2000-CL-1/8")



Mounting Aircraft Cable  
(ML2000-AC-1/8"-X)  
(X = Specify Length)

PART NUMBER	MATERIAL	SPECIFY LENGTH	SPECIFY QUANTITY	UNIT
ML2000-EC	Vinyl Plastic (75A Durometer)	N/A		Each
ML2000-PP	Rubber	N/A		Each
ML2000-MP	Stainless Steel	N/A		Each
ML2000-CL-1/8"	Zinc	N/A		Each
ML2000-AC-1/8"-X	302/304 Stainless Steel			Each

## INSTALLATION RECOMMENDATIONS

- Determine weight of marketLITE that will be used.
- Determine length of marketLITE and multiply by weight.
- An engineer must choose the proper aircraft cable to handle the tension, based on length and weight to prevent product from sagging.
- An engineer must determine the strength of the structure where the cable will attach, based on tension calculation from previous step.
- If installing on a pole, check with pole manufacturer to confirm the pole can handle the tension.
- marketLITE is hung to the above aircraft cable using the hooks. Secure hooks to aircraft cable by crimping or using stainless steel tie wraps.
- The supplied aircraft cable is designed to prevent strain on the wire. An additional aircraft cable is required to hang marketLITE.

## DESIGN GUIDELINES

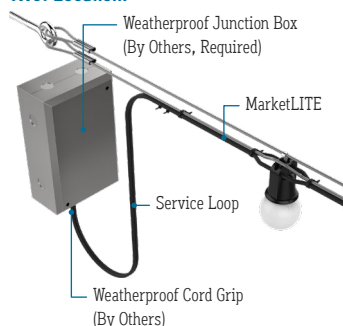
Straight Run



Swayed Run



## HARDWARE INSTALLATION (Wet Location)



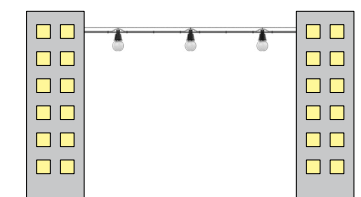
## POWER PLUG (Wet Location)



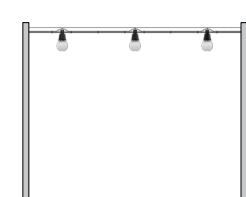
## WEIGHT PER FOOT

SERIES	SPACING	WEIGHT
ML2000-CMH	12" O/C	0.79 lbs per foot
	18" O/C	0.56 lbs per foot
	24" O/C	0.45 lbs per foot
	36" O/C	0.34 lbs per foot
	48" O/C	0.29 lbs per foot
	60" O/C	0.25 lbs per foot

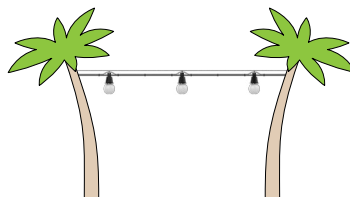
## INSTALLATION OPTIONS



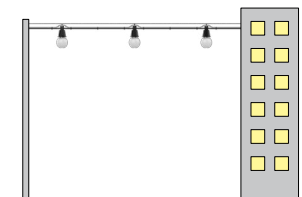
Building to Building



Pole to Pole



Tree to Tree



Building to Pole

# HAWK - model: WP-LED2

## Endurance Wallpack

# WAC LIGHTING

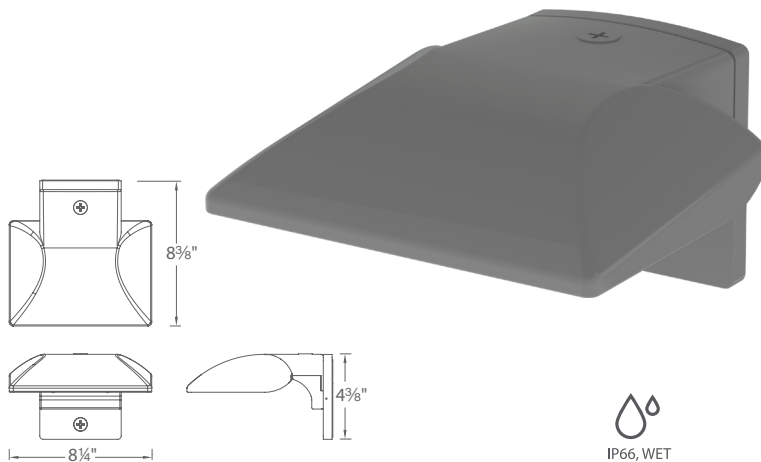
Responsible Lighting®

Fixture Type:

Catalog Number:

Project:

Location:



### SPECIFICATIONS

**Construction:** Die-cast aluminum

**Power:** Integral driver in luminaire. Universal voltage input (120V-277V)

**Dimming:** 100% - 30% with 0 - 10V dimmer (120V - 277V)

100% - 15% with Electronic Low Voltage (ELV) dimmer (120V only)

**Finish:** Architectural Bronze, Graphite, and White

**Standards:** IP66, Wet Location, ETL & cETL Listed

**Total Harmonic Distortion:** 35%

**Operating Temperature:** -40°C (-40°F) to 40°C (104°F)

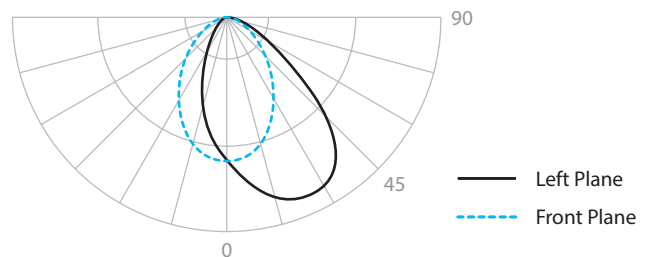
### PRODUCT DESCRIPTION

Die cast aluminum factory sealed housings with patent pending design for a water and dust proof IP66 rated outdoor luminaire

### FEATURES

- Factory-Sealed LED Light Engine
- Die-Cast Aluminum Construction
- 20° Forward Throw Illumination
- Photo/Motion Sensor Compatible (Sold Separately)
- Built-in Level For Easy Adjustment
- Suitable to install in all directions
- Multi-Function Dimming: ELV (120V) or 0-10V
- 85 CRI
- 100,000 hour rated life

### PHOTOMETRY

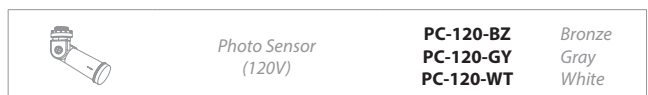
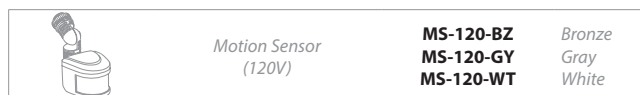


### ORDER NUMBER

		Power	Comparable	Color Temp	Delivered Lumens	CBCP	Finish
	<b>WP-LED219</b>	19W	39W HID	<b>30</b> 3000K	1345	1022	<b>aBZ</b> Architectural Bronze <b>aGH</b> Architectural Graphite <b>aWT</b> Architectural White
				<b>50</b> 5000K	1435	1056	
	<b>WP-LED227</b>	27W	70W HID	<b>30</b> 3000K	2050	1436	
				<b>50</b> 5000K	2095	1478	

Example: WP-LED219-30-GH

### ACCESSORIES



### WAC Lighting

www.waclighting.com

Phone (800) 526.2588 • Fax (800) 526.2585

### Headquarters/Eastern Distribution Center

44 Harbor Park Drive • Port Washington, NY 11050

Phone (516) 515.5000 • Fax (516) 515.5050

### Western Distribution Center

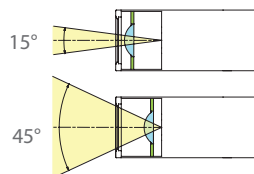
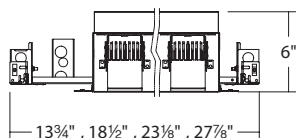
1750 Archibald Avenue • Ontario, CA 91760

Phone (800) 526.2588 • Fax (800) 526.2585



# MT-4 - 1 Light, 2 Light, 3 Light, 4 Light Silo Multiples - Trimless

**WAC LIGHTING**  
Responsible Lighting®



Adjustable between 15° - 45°

Fixture Type:

Catalog Number:

Project:

Location:

## PRODUCT DESCRIPTION

Retractable, adjustable spot lights

## FEATURES

- Continuously adjustable beam angle between 15° and 45°
- 365° horizontal rotation and 180° vertical aiming
- Independently adjustable and retractable heads
- Accommodates one lens and glare control accessory
- 5 year WAC Lighting product warranty

## SPECIFICATIONS

**Construction:** Die-cast aluminum head with rotatable front face. Steel housing and trim.

**Light Source:** High output LED. Rated life of 50,000 hours

**Input:** Universal 120V - 277V AC 50/60 Hz.

**Dimming:** Electronic low voltage (ELV), TRIAC, 0-10V

**Mounting:** Accommodates 1/2" - 1" ceiling thickness.

**Finish:** Electrostatically powder coated Black and White

**Standards:** UL & cUL Damp Location listed, Title 24 JA8-2016 Compliant, Airtight

Model	Heads		Power	Color Temp	Beam	Lumens *Ref. Output	CBCP *Ref. Output	Finish (Trim/Interior)
MT-4	1		<b>10L</b> 10W IC	<b>927</b> 2700K 90				<b>WTWT</b> White/White <b>WTBK</b> White/Black
			<b>15L</b> 14W Non IC	<b>930</b> 3000K 90	15°	745	3460	
				<b>935</b> 3500K 90	45°	1130	1870	
				<b>940</b> 4000K 90				
MT-4	2		<b>10L</b> 20W IC	<b>927</b> 2700K 90				<b>WTWT</b> White/White <b>WTBK</b> White/Black
			<b>15L</b> 28W Non IC	<b>930</b> 3000K 90	15°	745 x2	3460 x2	
				<b>935</b> 3500K 90	45°	1130 x2	1870 x2	
				<b>940</b> 4000K 90				
MT-4	3		<b>10L</b> 30W IC	<b>927</b> 2700K 90				<b>WTWT</b> White/White <b>WTBK</b> White/Black
			<b>15L</b> 42W Non IC	<b>930</b> 3000K 90	15°	745 x3	3460 x3	
				<b>935</b> 3500K 90	45°	1130 x3	1870 x3	
				<b>940</b> 4000K 90				
MT-4	4		<b>10L</b> 40W IC	<b>927</b> 2700K 90				<b>WTWT</b> White/White <b>WTBK</b> White/Black
			<b>15L</b> 56W Non IC	<b>930</b> 3000K 90	15°	745 x4	3460 x4	
				<b>935</b> 3500K 90	45°	1130 x4	1870 x4	
				<b>940</b> 4000K 90				

MT-4 \_\_\_\_\_ L- \_\_\_\_\_ - \_\_\_\_\_

Example: MT-4215L-930-WTWT

\*Reference output is **930**(CRI 90 3000k) at **15**(14W). Reference photometric performance on next page for other combinations.

waclighting.com  
Phone (800) 526.2588  
Fax (800) 526.2585

Headquarters/Eastern Distribution Center  
44 Harbor Park Drive  
Port Washington, NY 11050

Central Distribution Center  
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Lithia Springs, GA 30122

Western Distribution Center  
1750 Archibald Avenue  
Ontario, CA 91760

# MT-4 - 1 Light, 2 Light, 3 Light, 4 Light Silo Multiples - Trimless

**WAC LIGHTING**  
Responsible Lighting®

## PHOTOMETRIC PERFORMANCE (PER HEAD):

### 10W

Model	Power	Color Temp	CRI	Beam	Lumens	CBCP
<b>MT-4110</b>	<i>10W</i>	<b>927</b> 2700K	90	15°	520	2440
				45°	780	1305
		<b>930</b> 3000K	90	15°	555	2585
				45°	835	1400
		<b>935</b> 3500K	90	15°	560	2580
				45°	850	1405
		<b>940</b> 4000K	90	15°	580	2695
				45°	875	1450

### 14W

Model	Power	Color Temp	CRI	Beam	Lumens	CBCP
<b>MT-4115</b>	<i>14W</i>	<b>927</b> 2700K	90	15°	690	3250
				45°	1050	1735
		<b>930</b> 3000K	90	15°	745	3460
				45°	1130	1870
		<b>935</b> 3500K	90	15°	750	3425
				45°	1140	1870
		<b>940</b> 4000K	90	15°	780	3605
				45°	1185	1965

ACCOMMODATES ONE LENS ACCESSORY AND ONE GLARE CONTROL ACCESSORY

### FLAT LENS

Amber	<b>LENS-16-AMB</b>
Blue	<b>LENS-16-BLU</b>
Green	<b>LENS-16-GRN</b>
Red	<b>LENS-16-RED</b>

### FLAT LENS

Frosted	<b>LENS-16-FR</b>
Spread	<b>LENS-16-SPR</b>
Beam Elongating	<b>LENS-16-BEL</b>

### GLARE CONTROL

Cross louver - Black	<b>LENS-16P-CRL-BK</b>
Cross louver - White	<b>LENS-16P-CRL-WT</b>
Snoot - Black	<b>LENS-16-SNOOT-BK</b>
Snoot - White	<b>LENS-16-SNOOT-WT</b>
Honey Comb Louver	<b>LENS-16-HCL</b>

REPLACEMENT HEADS (INCLUDES: ONE HEAD, LED, AND DRIVER)

Model	Power	
<b>4MT-410-927-BK</b>	<i>10W</i>	<i>IC</i>
<b>4MT-410-930-BK</b>		
<b>4MT-410-935-BK</b>		
<b>4MT-410-940-BK</b>		
<b>4MT-410-927-WT</b>	<i>10W</i>	<i>IC</i>
<b>4MT-410-930-WT</b>		
<b>4MT-410-935-WT</b>		
<b>4MT-410-940-WT</b>		
<b>4MT-415-927-BK</b>	<i>14W</i>	<i>Non IC</i>
<b>4MT-415-930-BK</b>		
<b>4MT-415-935-BK</b>		
<b>4MT-415-940-BK</b>		
<b>4MT-415-927-WT</b>	<i>14W</i>	<i>Non IC</i>
<b>4MT-415-930-WT</b>		
<b>4MT-415-935-WT</b>		
<b>4MT-415-940-WT</b>		

Example: **4MT-410-930-WT**

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Phone (800) 526.2588  
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44 Harbor Park Drive  
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WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. AUG 2018



# VCPGX Ultimate LED Parking Garage

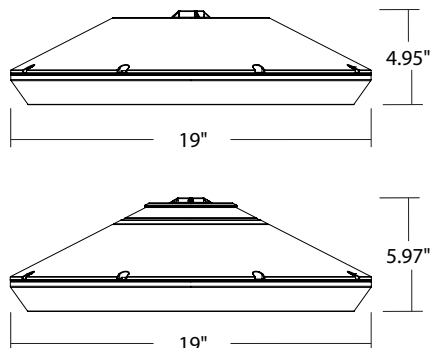


## Specifications

**Diameter:** 19"

**Height:** 4.95"  
(6" with Up-Light)

**Weight** 25 lbs  
(max, with no options):



A+ Capable options indicated by this color background.

## Ordering Information

EXAMPLE: VCPGX LED V8 P3 40K 70CRI T5M MVOLT PM UPL2 DWHXD

VCPGX LED							
Series	LED Light Engines	Package	Color temperature	Color Rendering Index	Distribution	Voltage	Mounting
VCPGX LED	V4 4 Light Engines	P1	30K 3000 K	70CRI	T5M Type V, medium	MVOLT	<b>Shipped included</b> PM Pendant mount standard (24-inch length supply leads) SRM Surface mount (24-inch length supply leads) ARM Arm mount (use RSXWBA accessory to mount to a wall)  <b>Shipped separately</b> YK Yoke/trunnion mount <sup>2</sup>
	V8 8 Light Engines	P2	35K 3500 K	80CRI	T5R <sup>1</sup> Type V, rectangular	347 120	
		P3	40K 4000 K		T5W Type V, wide	480 208	
		P4	50K 5000 K		T5E Type V entry	240 277	
		P5			LANE <sup>1</sup> Drive lane	347 347	
		P6				480 480	
		P7 (with V8 only)					

Options		Finish (required)
<b>Shipped installed</b>		
UPL1	Up-Light: 500 lumens	DWHXD White
UPL2	Up-Light: 700 lumens	DNAXD Natural aluminum
E8WC	Emergency battery backup, CEC compliant (8W, -20°C min) <sup>3,4,5</sup>	DDBXD Dark bronze
E10WH	Emergency battery backup, CEC compliant (10W, 5°C min) <sup>3,4,5</sup>	DBLXD Black
HA	High ambient (50°C, only P1-P4)	
SF	Single fuse (120V, 277V, 347V)	
DF	Double fuse (208V, 240V, 480V)	
SPD10KV	10KV Surge Pack	
LDS36	36in (3ft) lead length	
LDS72	72in (6ft) lead length	
LDS108	108in (9ft) lead length	
DMG	External 0-10V leads (no controls) <sup>6</sup>	
TP	Tamper proof screws	
<b>Shipped Separately</b>		
BDS	Bird Shroud	
BSW	Bird Spikes	
<b>Standalone Sensors/Controls</b>		
PIR	Motion/ambient sensor for 8-15' mounting heights	
PIRH	Motion/ambient sensor for 15-30' mounting heights	
PIR3FC3V	Motion/ambient sensor for 8-15' mounting heights, pre programmed to 3fc and 35% light output	
PIRH3FC3V	Motion/ambient sensor for 15-30' mounting heights, pre programmed to 3fc and 35% light output	
<b>Networked Sensors/Controls</b>		
NLTAIR2 PIR	nLIGHT AIR Wireless enabled motion/ambient sensor for 8-15' mounting heights	
NLTAIR2 PIRH	nLIGHT AIR Wireless enabled motion/ambient sensor for 15'-30' mounting heights	
NLTAIR2 PIR924	nLIGHT AIR Wireless enabled, UL924 Listed motion/ambient sensor for 8-15' mounting heights <sup>7</sup>	
NLTAIR2 PIRH924	nLIGHT AIR Wireless enabled, UL924 Listed motion/ambient sensor for 15'-30' mounting heights <sup>7</sup>	



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VCPGX LED  
Rev. 11/21/22

## Ordering Information Cont.

### Accessories

Ordered and shipped separately.

VCPGBDS DWHXD U	Bird shroud for PM (specify finish)
VCPGBDS YK DWHXD U	Bird shroud for YK (specify finish)
VCPGUBDS DWHXD U	Bird shroud for PM with Up-Light (specify finish)
VCPGUBDS YK DWHXD U	Bird shroud for YK with Up-Light (specify finish)
VCPGSRM U	Surface mount kit, with no Up-Light
VCPGUSRM U	Surface mount kit, with Up-Light
VCPGWG U	Wire guard
SLVSQ	Quick mount pendant swivel kit, square
SLVRD	Quick mount pendant swivel kit, round
VCPG YK DWHXD U	Yoke mount kit (specify finish)
RSXWBA DWHXD U	RSX WBA wall bracket (specify finish)
VCPGHS DWHXD U	House side shield (specify finish)

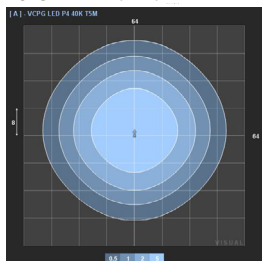
### NOTES

- 1 Not available in P7 package or with V8 option.
- 2 Only vertical height adjustment. No angle adjustment. Use PM and SLVSQ or SLVRD for mounting to angled ceiling or canopies.
- 3 Not available with 347V or 480V.
- 4 E8WC and E10WH only rated up to 35°C ambient.
- 5 E8WC & E10WH only available with P1-P4 packages.
- 6 DMG option not available with standalone or networked sensors/controls.
- 7 Needs an nLight Air Normal Power Sensing (NPS) device in the group. VCPG NLTAIR2 PIR and PIRH devices cannot act as NPS devices.

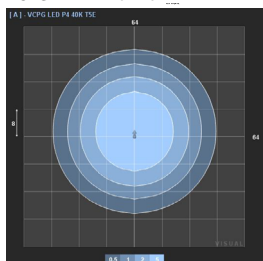
## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the [VCPG Ultimate LED Parking Garage Luminaire homepage](#). Tested in accordance with IESNA LM-79 and LM-80 standards

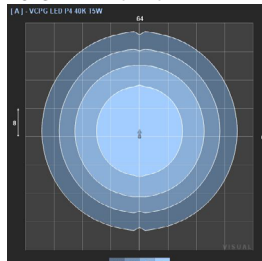
VCPG LED P4 TSM 40K



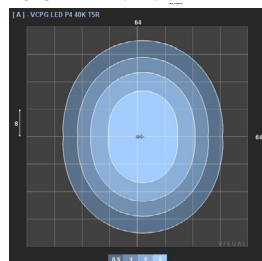
VCPG LED P4 T5E 40K



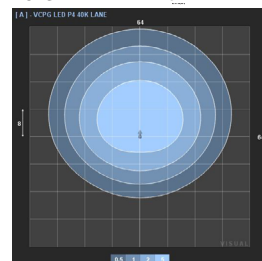
VCPG LED P4 T5W 40K



VCPG LED P4 T5R 40K



VCPG LED P4 LANE 40K



## Performance Data

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.

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C	1.03
10°C	1.02
20°C	1.01
25°C	1
30°C	0.99
40°C	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	0.97	0.94	0.89

### Electrical Load

Power Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	27W	0.22	0.13	0.12	0.10	0.08	0.06
P2	34W	0.28	0.16	0.14	0.13	0.10	0.08
P3	43W	0.37	0.21	0.18	0.16	0.13	0.09
P4	56W	0.48	0.28	0.24	0.21	0.16	0.12
P5	82W	0.68	0.40	0.35	0.30	0.24	0.18
P6	108W	0.91	0.52	0.45	0.39	0.32	0.23
P7	124W	1.03	0.59	0.51	0.44	0.37	0.27



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VCPGX LED  
Rev. 11/21/22

## Performance Data

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.

### Lumen Output, V4 Option

Performance Package	Watts	Distribution Type	30K (3000K, 70 CRI)		35K (3500K, 70 CRI)		40K (4000K, 70 CRI)		50K (5000K, 70 CRI)	
			Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
P1	27W	TSE	3,546	133	3,634	137	3,778	142	3,838	144
		TSM	3,573	134	3,662	138	3,807	143	3,867	146
		TSW	3,509	132	3,596	135	3,738	141	3,798	143
		TSR	3,421	129	3,506	132	3,645	137	3,703	139
		LANE	3,380	127	3,464	130	3,601	136	3,658	138
P2	34W	TSE	4,532	133	4,644	137	4,828	142	4,905	144
		TSM	4,567	134	4,680	138	4,865	143	4,942	146
		TSW	4,484	132	4,595	135	4,777	141	4,853	143
		TSR	4,372	129	4,481	132	4,658	137	4,732	139
		LANE	4,320	127	4,427	130	4,602	136	4,676	138
P3	43W	TSE	5,750	133	5,893	136	6,126	141	6,223	143
		TSM	5,795	134	5,938	137	6,173	142	6,271	145
		TSW	5,690	131	5,832	134	6,062	140	6,158	142
		TSR	5,548	128	5,686	131	5,910	136	6,004	138
		LANE	5,482	126	5,618	130	5,840	135	5,933	137
P4	56W	TSE	7,318	130	7,500	133	7,796	138	7,920	141
		TSM	7,375	131	7,558	134	7,856	140	7,981	142
		TSW	7,242	129	7,421	132	7,714	137	7,837	139
		TSR	7,061	125	7,236	129	7,522	134	7,641	136
		LANE	6,977	124	7,150	127	7,432	132	7,550	134
P5	82W	TSE	10,088	123	10,339	126	10,747	131	10,918	133
		TSM	10,166	124	10,418	127	10,830	132	11,002	134
		TSW	9,982	122	10,230	125	10,634	129	10,803	132
		TSR	9,733	118	9,974	121	10,368	126	10,534	128
		LANE	9,617	117	9,856	120	10,245	125	10,408	127
P6	108W	TSE	12,751	118	13,067	121	13,583	126	13,799	128
		TSM	12,849	119	13,168	122	13,688	127	13,906	129
		TSW	12,617	117	12,930	120	13,441	125	13,655	127
		TSR	12,302	114	12,607	117	13,105	122	13,313	124
		LANE	12,155	113	12,457	116	12,948	120	13,155	122

### Up-light Lumen Output

Up-light Option	Watts	Lumens
UPL1	6.5W	519
UPL2	8.5W	715

### Lumen Multiplier for 80CRI

CCT	Multiplier
30K	0.926
35K	0.945
40K	0.967
50K	0.965

### Lumen Output, V8 Option

Performance Package	Watts	Distribution Type	30K (3000K, 70 CRI)		35K (3500K, 70 CRI)		40K (4000K, 70 CRI)		50K (5000K, 70 CRI)	
			Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
P1	26W	TSE	3,639	140	3,729	143	3,876	149	3,938	151
		TSM	3,667	141	3,758	145	3,906	150	3,968	153
		TSW	3,600	138	3,690	142	3,835	148	3,897	150
P2	33W	TSE	4,650	140	4,765	143	4,954	149	5,033	151
		TSM	4,686	141	4,802	144	4,992	150	5,071	152
		TSW	4,601	138	4,715	142	4,901	147	4,980	150
P3	42W	TSE	5,900	139	6,047	143	6,286	148	6,386	151
		TSM	5,946	140	6,093	144	6,334	149	6,435	152
		TSW	5,839	138	5,984	141	6,220	147	6,319	149
P4	55W	TSE	7,509	136	7,696	139	7,999	145	8,127	147
		TSM	7,567	137	7,755	140	8,061	146	8,189	148
		TSW	7,431	135	7,615	138	7,916	143	8,042	146
P5	81W	TSE	10,351	129	10,608	132	11,027	137	11,203	139
		TSM	10,431	130	10,690	133	11,112	138	11,289	140
		TSW	10,242	127	10,497	130	10,911	136	11,085	138
P6	106W	TSE	13,083	124	13,408	127	13,937	132	14,159	134
		TSM	13,184	125	13,511	128	14,045	133	14,268	135
		TSW	12,946	123	13,267	126	13,791	131	14,011	133
P7	124W	TSE	15,350	124	15,730	127	16,351	132	16,612	134
		TSM	15,468	125	15,851	128	16,477	133	16,740	135
		TSW	15,189	122	15,566	126	16,180	130	16,438	133

## Control/Sensor Options

### Motion/Ambient Sensor (PIR\_, PIRH)

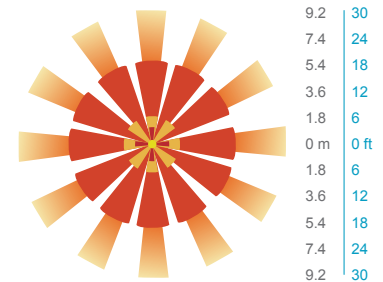
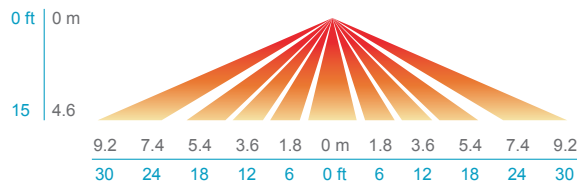
Motion/Ambient sensor (Sensor Switch MSOD, nLight AIR RMSOD) is integrated into the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

### Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

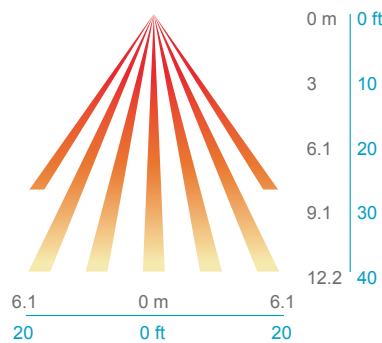
#### PIR

##### HIGH VIEW

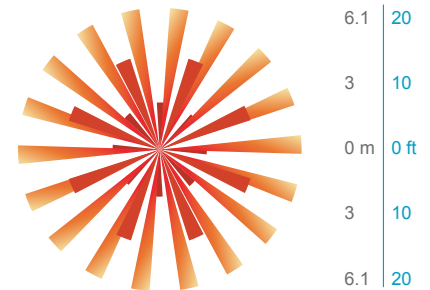


#### PIRH

##### SIDE VIEW



##### TOP VIEW



### Motion/Ambient Sensor Default Settings

Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR3FC3V or PIRH3FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 3fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec

## Mounting, Options & Accessories



**PM – Pendant Mount**  
(compatible with ¾ NPT,  
pendant stem provided by  
others)

D = 19"  
H = 4.1"



**SRM – Surface Mount**

D = 19"  
H = 4.1"



**SRM – Surface Mount  
with Up-Light**

D = 19"  
H = 5.3"



**YK – Yoke/Trunnion Mount**

D = 19"  
H (Yoke) = 10"-18"



**ARM – Arm Mount**

L = 28"  
W = 19"  
H = 8"



**PIR & PIRH – Motion/  
Ambient sensor**

L = 20.4"  
W = 19"  
H = 5.45" (no up-light)  
or 6.45" (with up-light)



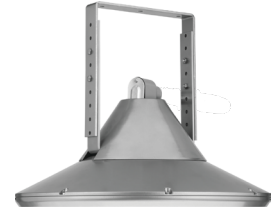
**NLTAIR2 PIR – nLight AIR  
Motion/Ambient Sensor**

L = 20.4"  
W = 19"  
H = 5.45" (no up-light)  
or 6.45" (with up-light)



**BDS – Bird shroud for  
pendant mount**

D = 19"  
H = 8.85"



**BDS – Bird shroud for  
yoke mount**

D = 19"  
H (Yoke) = 10"-18"

## FEATURES & SPECIFICATIONS

### INTENDED USE

The visually comfortable optics, energy savings, and long life of the VCPGX LED Parking Garage luminaire make it an ideal choice for new commercial installations and retrofit parking garage opportunities. It is designed to meet or exceed recommended illuminance criteria when installed as a direct replacement of most HID parking garage luminaires. Its modern dayform and aesthetics also make it appealing for indoor low-bay applications.

### CONSTRUCTION

Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. The LED driver is separated from the heat generating light engines and mounted in direct contact with the casting to promote low operating temperatures, higher lumen maintenance and long life. The housing is completely sealed against moisture and environmental contaminants (IP66) and is suitable for hose-down application.

### 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.

### OPTICS

Light guide technology provides a diffused light source, reducing glare from direct view of the LEDs. The light source is recessed into the luminaire, further reducing the high angle glare from the luminaire. A combination of precision molded micro prismatic acrylic lenses and back reflectors provide five different photometric distributions tailored specifically to parking garage applications. Up-light option comes with a dedicated light engine and custom optic designed to efficiently spread light on to the ceiling, thus reducing the cave effect.

### ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L89/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%, and a minimum 6.0 KV surge rating. When ordering the SPD10KV option, a separate 10kV (5kA) surge protection device is installed within the luminaire which meets a minimum Category C low operation (per ANSI/IEEE C62.41.2). Luminaire is 0-10V dimmable down to 10% or lower.

### INSTALLATION

Standard configuration accepts a rigid or free-swinging ¾" NPT stem for pendant mounting. The surface mount option attaches to a 4x4" recessed or surface mount outlet box using a quick-mount kit (included); kit contains galvanized steel luminaire and outlet box plates and a full pad gasket. Kit has an integral mounting support that allows the luminaire to hinge down for easy electrical connections. Luminaire and plates are secured with set screws. Also, available with a yoke/trunnion mount option with ¾" NPT provision for flexible conduit entry (conduit by others); height can be adjusted from 10-18". Supply leads are 24" in length as standard. Longer supply leads are available as additional options. Design can withstand up to a 3.0 G vibration load rating per ANSI C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. IP66 rated for outdoor applications. 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.

### BUY AMERICAN ACT

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to [www.acuitybrands.com/resources/buy-american](http://www.acuitybrands.com/resources/buy-american) for additional information.

### WARRANTY

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

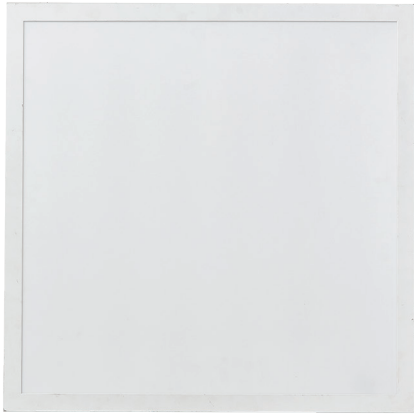


COMMERCIAL OUTDOOR

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



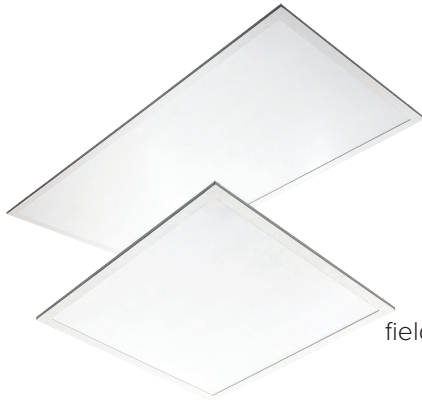


The  
**FPNB**<sup>TM</sup>  
Series

Field-adjustable lumen & color  
LED Flat Panel Light







field-adjustable lumen & color  
LED Flat Panel



PROJECT: \_\_\_\_\_

DATE: \_\_\_\_\_

TYPE: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_



#### KEY FEATURES

**100,000-Hour LED lifespan**

**Field-adjustable CCT & Wattage standard on all models**

**Optional surface or recessed mount kits available**

**No yellowing PMMA premium light guide plate**

**Battery backup option available**

## TECHNICAL SPECIFICATIONS

### COMPLIANCE

#### UL Listed

UL 1598 Suitable for damp locations, Type IC

#### IESNA LM79 & LM-80 Testing

PacLights LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

#### DLC Qualification

Selected models of this product are on the Design Lights Consortium (DLC) Qualified Products List and are eligible for rebates from DLC Member Utilities. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.design-lights.org/qpl](http://www.design-lights.org/qpl)

### LED CHARACTERISTICS

#### LEDs

Long-life, high-efficacy, surface-mount LEDs

#### Lifespan

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

#### Color Rendering Index

>80

#### Color Uniformity

PacLights' range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

### ELECTRICAL

#### Drivers

0-10V continuous dimming, can be dim to 10%

Input Voltage: 120-277V, 50-60 Hz

Power Factor: > 0.9

Input Current: FPNB/2-22D: 0.28A (120v); 0.17A (208v); 0.14A (240v); 0.13A (277v).

FPNB/2-24D: 0.38A (120v); 0.22A (208v); 0.19A (240v); 0.17A (277v).

### CONSTRUCTION

#### Ambient Temperature

Suitable for 50° C (122° F) ambient temperature

#### Cold Weather Starting

The minimum starting temperature is -4 F°/-20° C

#### Housing

Lightweight aluminum housing, steel pan and junction box

#### IC Rated

Suitable for direct contact with insulation

#### Mounting Methods

- T-grid lay-in (standard)
- Surface mount (optional)
- Drywall recessed flange (optional)

#### Green Technology

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

#### Lens

Premium no yellowing PMMA light guide plate

### OTHER

#### 5-Year Limited Warranty\*\*

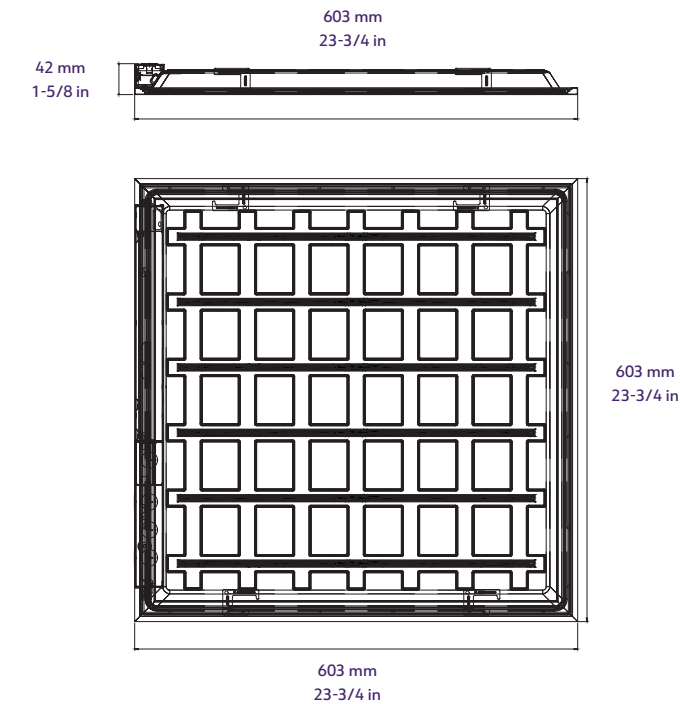
The PacLights 5-year, limited warranty covers light output, driver performance and paint finish.

\*\*PacLights's warranty is subject to all terms and conditions found at [paclights.com/warranty](http://paclights.com/warranty)

TECHNICAL SPECIFICATIONS Continued

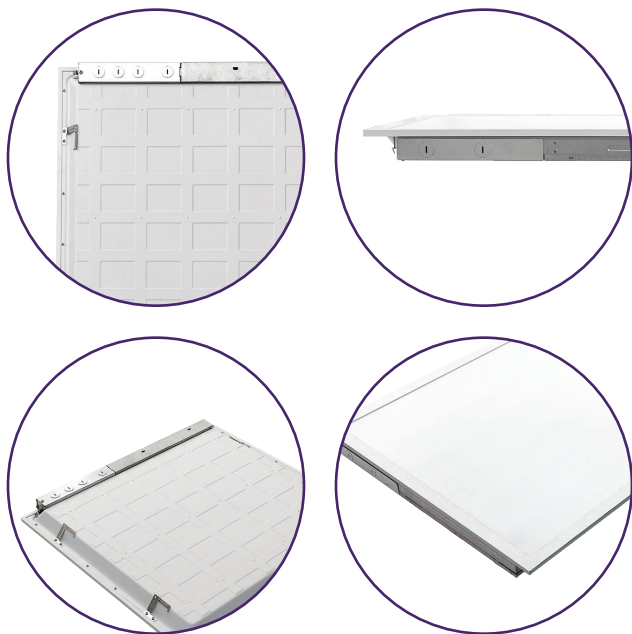
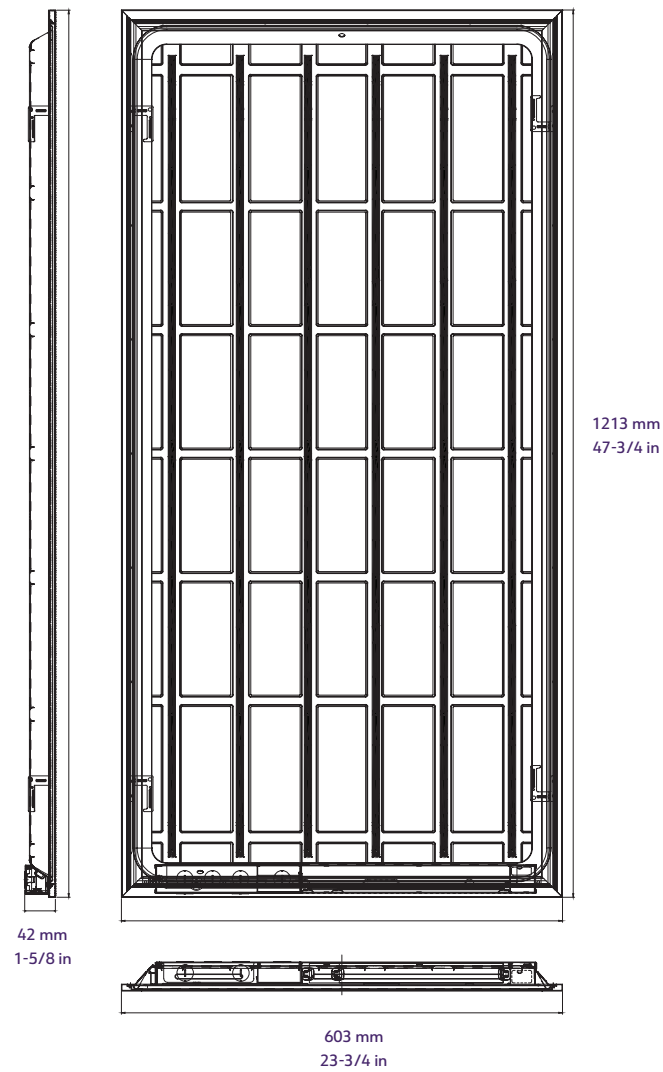
FPNB/2 - 22D (2x2 Ft)

Weight 5.8 lbs



FPNB/2 - 24D (2x4 Ft)

Weight 9.2 lbs



FINISHES

all models

White

## FIELD ADJUSTABLE Standard

## EMERGENCY BACKUP Optional

### TOOL-LESS FIELD ADJUSTABLE CCT & WATTAGE



Select the desired output power or light color temperature by sliding the respective Output Power or CCT Selection Switch left or right to the desired value. CCT can be adjusted to 3500/4000/5000K, and Output Power can be adjusted to:

- 30w / 25w / 20w on 2x2 models
- 40w / 35w / 30w on 2x4 models

### EMERGENCY BACKUP (-EM)



FPNB series emergency backup models works out of the box to save time and cost in the installation. When there is a power outage, the emergency backup driver and battery will power the FPNB to an reduced brightness of 1,000 lumen for at least 90 mins.

## PERFORMANCE

### FPNB/2 - 22D (2x2 Ft)

Light color temperature field-adjustable to 3500K/4000K/5000K, Output wattage field-adjustable to 30w/25w/20w

30W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	3,750	3,780	3,810
LM/W	125	126	127

25W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	3,200	3,225	3,250
LM/W	128	129	130

20W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	2,620	2,640	2,660
LM/W	131	132	133

### FPNB/2 - 24D (2x4 Ft)

Light color temperature field-adjustable to 3500K/4000K/5000K, Output wattage field-adjustable to 40w/35w/30w

40W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	5,000	5,040	5,080
LM/W	125	126	127

35W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	4,480	4,515	4,550
LM/W	128	129	130

30W	3500K Warm	4000K Neutral	5000K Daylight
LUMENS	3,930	3,960	3,990
LM/W	131	132	133

## ORDERING INFORMATION

### FPNB™ generation 2

Family	Model	Optional Function	Optional Addons
FPNB/2	<div>22D 2ft x 2ft, 30w/25w/20w power &amp; 3500k/4000k/5000k CCT Adjustable</div> <div>24D 2ft x 4ft, 40w/35w/30w power &amp; 3500k/4000k/5000k CCT Adjustable</div>	<div>EM Emergency battery backup</div>	<div>SM Surface mount</div> <div>DG Drywall flange</div>

# WAC LIGHTING

## Tube Pendant Downlight

Ceiling Mount 3000K

Fixture Type:

Catalog Number:

Project:

Location:

Model & Size	Color Temp & CRI	Watt	Lumens	Finish
PD-W2605 5"	3000K 90	16W	800	AL Brushed Aluminum BK Black BZ Bronze GH Graphite WT White

Example: **PD-W2605-AL**

### DESCRIPTION

Precision engineered using advanced proprietary LED technology with a built-in reflector. An appealing cylindrical profile with powerful LED lighting is perfect for accent downlighting applications. Five architectural metallic finishes offered.

### FEATURES

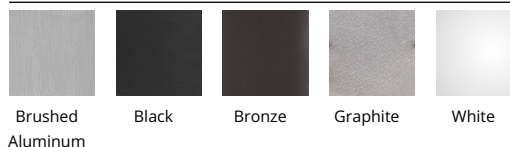
- Hang-straight swivel
- Three 12" and one 6" down rods included
- Title 24 may not be available for all finishes, check for availability
- Driver concealed within the canopy
- 5 year warranty

### SPECIFICATIONS

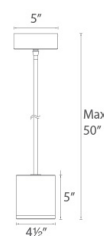
Construction:	Die-cast Aluminum
Power:	16W
Input:	120-277 VAC, 50/60Hz
Dimming:	ELV: 100-10% , 0-10V: 100-5%
Light Source:	Integrated LED
Rated Life:	70000 Hours
Mounting:	Mounts directly to junction box
Finish:	Brushed Aluminum with Clear Powder Coat:Brushed Aluminum, Brushed Aluminum with Clear Powder Coat::Black, Brushed Aluminum with Clear Powder Coat::Bronze, Brushed Aluminum with Clear Powder Coat::::Graphite, Brushed Aluminum with Clear Powder Coat::::White
Operating Temp:	-40°F to 122°F (-40°C to 50°C)
Standards:	ETL, cETL, Wet Location Listed, IP65, Title 24 JA8-2019 Compliant



### FINISHES:



### LINE DRAWING:



# TWIGGY D1 TUNABLE WHITE VANITY

## 24VDC REMOTE POWER SUPPLY - VERTICAL OR HORIZONTAL MOUNTING

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 11.15.21



### DESCRIPTION

The Twiggy Tunable White 2000K to 6500K vanity fixtures from PureEdge Lighting, features a 1" diffused white lens that provides uniform tunable white light. At 5 watts per foot, the 24VDC fixture contains commercial grade 95+ CRI LEDs. Tunable White 2000K-6500K (**2K6K**) or 2700K-6500K (**27K6**) grants independent control and adjustment of color temperature and intensity from 2000K (Sunset) through 6500K (Daylight White). **2K6K** is ideal for residential spaces including, dining rooms, bedrooms, living spaces, and bathrooms by allowing the user to achieve a warm glow during the golden hours of the early mornings and evenings. For commercial environments, **27K6** promotes focus and alertness which is ideal for offices, healthcare and education, while still achieving warmer color temperatures best for hospitality and retail environments. Human-Centric lighting, or tunable white, promotes performance, mood, and overall well-being by fine-tuning the emotional effects that light has on the circadian cycle. Requires two dimmers or, use our proprietary Tunable White Controller (**CDMX1**) for fast and accurate adjustment and three pre-set scenes (Ordered separately). Offering up to 94+CRI rendering colors in their truest forms. Fixture includes a 5 year pro-rated warranty. For custom designs and layout assistance, email our design team [design@PureEdgeLighting.com](mailto:design@PureEdgeLighting.com).

### LAMPING

- Tunable White: 2000K-6500K (**2K6K**) or 2700K-6500K (**27K6**) grants independent control for adjusting color temperature and intensity
- Power Consumed: 5 watts per foot
- 50,000 Hour Lamp Life

### REMOTE POWER SUPPLIES, DIMMERS & CONTROLS (SOLD SEPARATELY)\*

24VDC, Class 2 wiring

- 0-10V:** Requires two dimmers, one for intensity and one for color temperature
- DMX Dynamic Color Changing:** Must be used with PureEdge [Controllers](#)

\*In-Wall Mounting Kits available for select power supplies

### MOUNTING OPTIONS

- 4SQ** - 4.6" Floating Square Canopy Mounts to standard 4" electrical box with round plaster ring anywhere along the fixture, vertically or horizontally.
- 1RE** - Floating Rectangular Canopy Mounts to the Slim Profile Junction Box (included) recommend for new construction application.

PureEdge's 5-Year Pro-rated warranty is backed by over 30 years of precision lighting manufacturing and design.

### APPROVALS

Damp Location, ETL Listed, Title 24 with select power supplies, Class 2 wiring

### APPLICATIONS

Designed for Indoor and Damp Locations - Ideal applications in Residential, Commercial, and Hospitality Environments, including Bathroom Vanities, Resort Spas, Hotels, Health, and Wellness Clubs.

Product	Lens	Canopy	Length	Color Temperature	Finish
<b>TW2R</b>	<b>D1</b>	<b>1RE</b>	<b>12IN</b>	<b>2K6K</b>	<b>SN</b>
<b>TW2R</b> Twiggy Vanity 24VDC Remote Power Supply	<b>D1</b> Direct 1" Lens	<b>1RE</b> 1" Rectangle Junction Box <b>4SQ</b> 4" Square Floating Canopy	12" - 120" With power or remote power (Power supplies sold separately)	<b>2K6K</b> Tunable White 2000K-6500K <b>27K6</b> Tunable White 2700K-6500K	<b>BK</b> Satin Black <b>BZ</b> Antique Bronze <b>SA</b> Satin aluminum <b>SN</b> Satin Nickel <b>WH</b> White <b>BB</b> Satin Brass with Black Canopy and End Caps <b>BW</b> Satin Brass with White Canopy and End Caps

\*\*See page 3 for Overall Dimensions,  
Custom Lengths Available

PROJECT	FIXTURE TYPE	DATE
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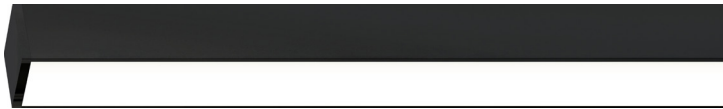
# TWIGGY D1 TUNABLE WHITE VANITY

24VDC REMOTE POWER SUPPLY - VERTICAL OR HORIZONTAL MOUNTING

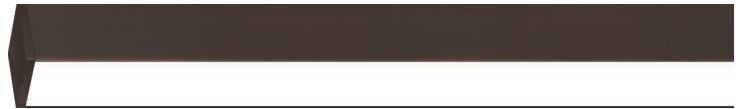
**Nominal Lamp Data:** Lamp data for the Twiggy Vanity

TW2R																	
WATTS PER FOOT	2000K-6500K (2K6K)									2700K-6500K (27K6)							
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	45K	57K	65K	
LUMENS PER FOOT (lm/ft)	223	234	246	257	281	292	304	289	280	279	287	295	304	292	289	280	
LUMENS PER WATT (lm/w)	56	51	53	56	61	64	76	72	71	70	72	72	71	71	72	71	
CRI	83+	83+	92+	92+	92+	94+	94+	93+	93+	93+	93+	94+	94+	94+	93+	93+	

## FINISHES:



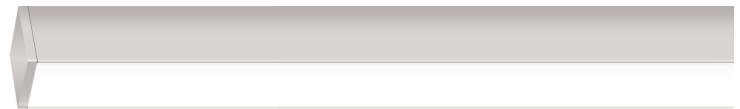
Satin Black  
**BK**



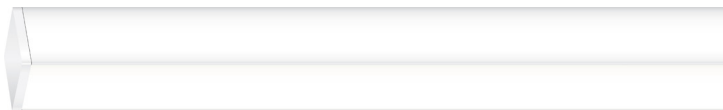
Antique Bronze  
**BZ**



Satin Aluminum  
**SA**



Satin Nickel  
**SN**



White  
**WH**



Satin Brass with Black Canopy and End Caps  
**BB**



Satin Brass with White Canopy and End Caps  
**BW**



Satin Black  
**BK**



Antique Bronze  
**BZ**



Chrome  
**CH**



Satin Aluminum  
**SA**



Satin Nickel  
**SN**



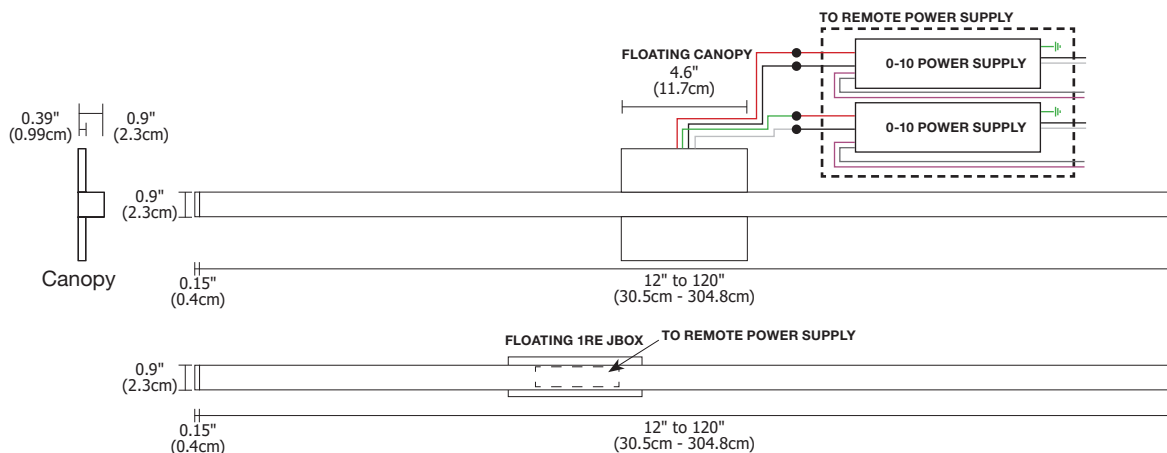
White  
**WH**



Satin Brass with  
Black Canopy  
and End Caps  
**BB**



Satin Brass with  
White Canopy  
and End Caps  
**BW**



PROJECT		FIXTURE TYPE		DATE	
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# TWIGGY D1 TUNABLE WHITE VANITY

## 24VDC REMOTE POWER SUPPLY - VERTICAL OR HORIZONTAL MOUNTING

**LENGTH CHART** Please refer to chart below for overall length (with End Caps) for Twiggy D1 Vanity

Ordering Code	Overall Length (Inches)	Total Wattage (1 Fixture)	Minimum Power Supply (1 Fixture)	Total Wattage (2 Fixtures)	Minimum Power Supply (2 Fixtures)
12IN	13.1	10	PSB-100W-24VDC-2XK	20	PSB-100W-24VDC-2XK
15IN	15.5	13	PSB-100W-24VDC-2XK	26	PSB-100W-24VDC-2XK
17IN	17.9	15	PSB-100W-24VDC-2XK	30	PSB-100W-24VDC-2XK
20IN	20.3	17	PSB-100W-24VDC-2XK	34	PSB-100W-24VDC-2XK
22IN	22.7	19	PSB-100W-24VDC-2XK	38	PSB-100W-24VDC-2XK
24IN	25.1	20	PSB-100W-24VDC-2XK	40	PSB-100W-24VDC-2XK
27IN	27.5	23	PSB-100W-24VDC-2XK	46	PSB-100W-24VDC-2XK
29IN	29.9	25	PSB-100W-24VDC-2XK	50	PSB-100W-24VDC-2XK
32IN	32.3	27	PSB-100W-24VDC-2XK	54	PSB-100W-24VDC-2XK
34IN	34.7	29	PSB-100W-24VDC-2XK	58	PSB-100W-24VDC-2XK
36IN	37.1	30	PSB-100W-24VDC-2XK	60	PSB-100W-24VDC-2XK
39IN	39.5	33	PSB-100W-24VDC-2XK	66	PSB-100W-24VDC-2XK
41IN	41.9	35	PSB-100W-24VDC-2XK	67	PSB-100W-24VDC-2XK
44IN	44.3	37	PSB-100W-24VDC-2XK	74	PSB-100W-24VDC-2XK
46IN	46.7	39	PSB-100W-24VDC-2XK	78	PSB-100W-24VDC-2XK
48IN	49.1	40	PSB-100W-24VDC-2XK	80	PSB-100W-24VDC-2XK
51IN	51.5	43	PSB-100W-24VDC-2XK	86	PSB-100W-24VDC-2XK
53IN	53.9	45	PSB-100W-24VDC-2XK	90	PSB-100W-24VDC-2XK
56IN	56.3	47	PSB-100W-24VDC-2XK	94	PSB-100W-24VDC-2XK
58IN	58.7	49	PSB-100W-24VDC-2XK	98	PSB-100W-24VDC-2XK
60IN	61.1	50	PSB-100W-24VDC-2XK	100	PSB-2x100W-24VDC-2XK
63IN	63.5	53	PSB-100W-24VDC-2XK	106	PSB-2x100W-24VDC-2XK
65IN	65.9	55	PSB-100W-24VDC-2XK	110	PSB-2x100W-24VDC-2XK
68IN	68.3	57	PSB-100W-24VDC-2XK	114	PSB-2x100W-24VDC-2XK
70IN	70.7	59	PSB-100W-24VDC-2XK	118	PSB-2x100W-24VDC-2XK
72IN	73.1	60	PSB-100W-24VDC-2XK	120	PSB-2x100W-24VDC-2XK
75IN	75.5	63	PSB-100W-24VDC-2XK	126	PSB-2x100W-24VDC-2XK
77IN	77.9	56	PSB-100W-24VDC-2XK	132	PSB-2x100W-24VDC-2XK
80IN	80.3	67	PSB-100W-24VDC-2XK	134	PSB-2x100W-24VDC-2XK
82IN	82.7	69	PSB-100W-24VDC-2XK	138	PSB-2x100W-24VDC-2XK
84IN	85.1	70	PSB-100W-24VDC-2XK	140	PSB-2x100W-24VDC-2XK
87IN	87.5	73	PSB-100W-24VDC-2XK	146	PSB-2x100W-24VDC-2XK
89IN	89.9	75	PSB-100W-24VDC-2XK	150	PSB-2x100W-24VDC-2XK
92IN	92.3	77	PSB-100W-24VDC-2XK	154	PSB-2x100W-24VDC-2XK
94IN	94.7	79	PSB-100W-24VDC-2XK	158	PSB-2x100W-24VDC-2XK
96IN	97.1	80	PSB-100W-24VDC-2XK	160	PSB-2x100W-24VDC-2XK
99IN	99.5	83	PSB-100W-24VDC-2XK	166	PSB-2x100W-24VDC-2XK
101IN	101.9	85	PSB-100W-24VDC-2XK	170	PSB-2x100W-24VDC-2XK
104IN	104.3	87	PSB-100W-24VDC-2XK	174	PSB-2x100W-24VDC-2XK
106IN	106.7	89	PSB-100W-24VDC-2XK	178	PSB-2x100W-24VDC-2XK
108IN	109.1	90	PSB-100W-24VDC-2XK	180	PSB-2x100W-24VDC-2XK
111IN	111.5	93	PSB-100W-24VDC-2XK	186	PSB-2x100W-24VDC-2XK
113IN	113.9	95	PSB-100W-24VDC-2XK	190	PSB-2x100W-24VDC-2XK
116IN	116.3	97	PSB-100W-24VDC-2XK	194	PSB-2x100W-24VDC-2XK
118IN	118.7	99	PSB-100W-24VDC-2XK	198	PSB-2x100W-24VDC-2XK
120IN	121.1	100	PSB-100W-24VDC-2XK	200	PSB-2x100W-24VDC-2XK

PROJECT		FIXTURE TYPE		DATE	
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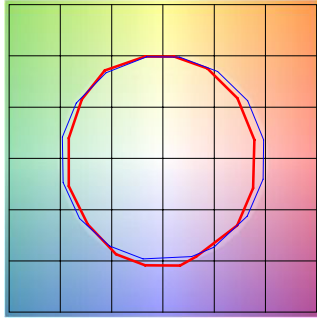
# TM30 DATA

## 24VDC REMOTE POWER SUPPLY - VERTICAL OR HORIZONTAL MOUNTING

**TM-30-15 DATA:** The data below is for SS5C 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.

### 2000K ONLY (2K6K/27K6) | Rf: 84.3 | Rg: 96.9

Color Vector Graphic

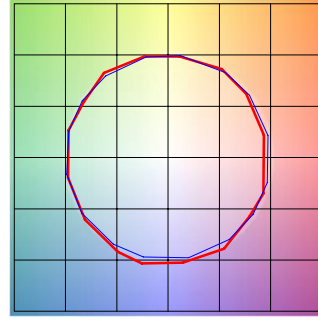


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	80.3	-8.9%	1.7%
2	79.7	-7.0%	7.8%
3	78.9	-2.9%	10.0%
4	89.5	-0.5%	5.1%
5	94.4	0.7%	1.7%
6	92.1	2.4%	-0.3%
7	89.4	-2.4%	-5.9%
8	89.7	-6.4%	-0.2%
9	86.0	-4.9%	4.6%
10	81.8	-3.4%	9.3%
11	83.1	3.3%	9.7%
12	85.8	5.6%	3.3%
13	85.6	6.2%	-12.8%
14	61.7	-1.9%	-19.0%
15	79.7	-3.3%	-12.9%
16	78.1	-7.9%	-10.6%

### 3000K (2K6K/27K6) | Rf: 90.2 | Rg: 101.4

Color Vector Graphic

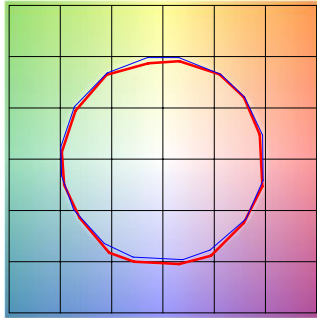


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.9	-3.8%	1.3%
2	91.7	-1.9%	3.3%
3	88.7	0.7%	5.1%
4	92.4	-1.0%	0.7%
5	92.9	0.9%	1.7%
6	93.1	3.3%	-0.6%
7	91.0	-1.8%	-0.4%
8	97.0	0.2%	-1.1%
9	92.8	-0.5%	3.6%
10	88.3	1.0%	7.0%
11	87.1	3.8%	7.8%
12	87.6	6.5%	-0.3%
13	89.3	3.6%	-6.3%
14	86.1	4.5%	-9.1%
15	91.6	-1.9%	-3.1%
16	83.8	-1.5%	-11.2%

### 4000K ONLY (2K6K/27K6) | Rf: 89.6 | Rg: 99.1

Color Vector Graphic



■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	91.3	-2.5%	1.0%
2	95.3	-0.5%	0.5%
3	94.3	-0.7%	1.1%
4	91.1	-3.4%	-1.1%
5	89.5	-5.6%	0.0%
6	94.6	-1.4%	1.3%
7	93.2	-3.0%	2.6%
8	91.3	-1.8%	4.6%
9	86.5	-0.9%	9.1%
10	83.3	-0.5%	9.5%
11	83.3	4.9%	9.0%
12	89.7	4.1%	1.7%
13	90.1	3.6%	-4.3%
14	93.4	5.2%	-2.1%
15	87.4	0.4%	-4.3%
16	86.6	0.4%	-6.1%

PROJECT		FIXTURE TYPE		DATE	
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# CURREY

& C O M P A N Y



## Buckminster Orb Chandelier

9436



Overall: 31" h x 27" dia

Finish: Pyrite Bronze/Raj Mirror

Materials: Wrought Iron/Glass

Item Weight: 30 lb

Number of Lights: 6

Suggested Bulb: B Torpedo Tip

Socket Type: E12

Watts per Socket / Item: 60 / 360

Chain Included: 6' Pyrite Bronze

Cord: 13' Si

The Buckminster Orb Chandelier is composed of triangles in Raj mirror in a geodesic shape, which are framed in wrought iron in a hand-finished Pyrite bronze. This mirrored chandelier was inspired by R. Buckminster Fuller's geodesic dome. We also offer the

# CURREY

& C O M P A N Y



## Pasha Pendant

9000-0773



Overall: 23"h x 14.25"dia  
Adjustable Height: 29.75"h to 97.75"h

Finish: Antique Brass  
Materials: Metal/ Glass

Item Weight: 12 lb  
Number of Lights: 1  
Socket Type: LED  
Watts per Socket / Item: 23 / 23

Chain Included: 6' Antique Brass  
Cord: 13' Gold

A whimsical play on a traditional pendant shape, the Pasha Pendant represents the newest generation of pared-down lines that pay homage to the lanterns that illuminate the spice bazaars in some exotic locale. Made of metal in an antique brass finish, the