

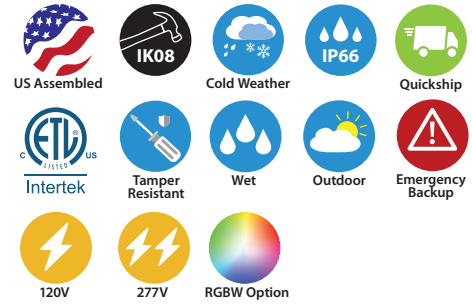
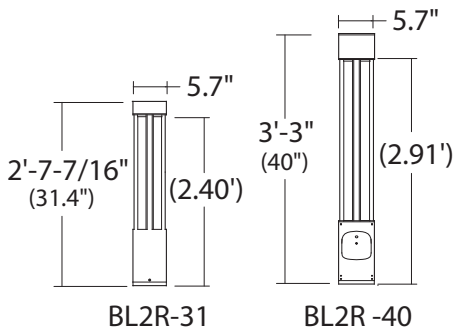
# BL2R-31/40 : LUMENPOLE ROUND BOLLARD

6" FROSTED LENS - 31", AND 40" HEIGHT  
1200LM-1500LM (13W-18W)

Optical Height:

BL2R-31: 19"

BL2R-40: 24"



- Up to 18W, 1500lm delivered
- U.S. Assembled
- Tamper Resistant Hardware
- IK08 Impact Rating
- RGBW Option
- Integral Emergency Option
- Optional Photocell Sensor
- Quick Ship Options Available

## ORDERING : BL2R-31B-SYM-W-T40-C90-UE-SDL

| BL2R                      |        |                       |              |                                                        |                         |                                 |                            |
|---------------------------|--------|-----------------------|--------------|--------------------------------------------------------|-------------------------|---------------------------------|----------------------------|
| Fixture                   | Height | Finish                | Optic        | Driver                                                 | LED                     | Options                         |                            |
| <b>Height</b>             |        |                       | <b>Optic</b> | <b>Driver</b>                                          |                         | <b>Options</b>                  |                            |
| 31" Bollard, 1200lm (13W) |        | <b>-31</b>            | Symmetric    | UE-DUN (120V/277V)<br>0-10V, ELV and<br>Triac Dimmable | <b>Blank</b>            | None                            | <b>Blank</b>               |
| 40" Bollard, 1500lm (18W) |        | <b>-40</b>            |              |                                                        |                         | Photocell Sensor<br>(120V/277V) | <b>-UE-SDL<sup>3</sup></b> |
| <b>Finish</b>             |        |                       |              | DALI Dimming                                           | <b>-DLI<sup>1</sup></b> | Surge Protector<br>(120V/277V)  | <b>-SRG<sup>3</sup></b>    |
| Black                     |        | <b>B</b>              |              | <b>LED</b>                                             |                         | Integral Emergency<br>Battery   | <b>-EMAC<sup>3</sup></b>   |
| White                     |        | <b>W<sup>1</sup></b>  |              |                                                        |                         | Cold Weather                    | <b>-CW<sup>4</sup></b>     |
| Silver                    |        | <b>S<sup>1</sup></b>  |              |                                                        | 2700K (90 CRI)          |                                 |                            |
| Basic Bronze              |        | <b>BZ<sup>1</sup></b> |              |                                                        | 3000K (90 CRI)          |                                 |                            |
|                           |        |                       |              |                                                        | 3500K (90 CRI)          |                                 |                            |
|                           |        |                       |              |                                                        | 4000K (90 CRI)          |                                 |                            |
|                           |        |                       |              |                                                        | 5000K (80 CRI)          |                                 |                            |
|                           |        |                       |              |                                                        | RGBW                    |                                 |                            |

<sup>1</sup> Special order. Minimum order quantity, extended lead time, and setup fee may apply. Consult factory

<sup>2</sup> Available with wireless Bluetooth or DMX control. Consult factory for details. Remote power supplies and control gear may be required.

<sup>3</sup> Not rated for cold weather. Minimum fixture outdoor temperature 0°C (32°F).

<sup>4</sup> Starting Temperature -40°C/-40°F. Not available for (-31).

Consult factory for possible additional options including: USB, AC outlet, speaker hubs, wireless, node mounting, PC/Motion sensor, 7-pin photocell receptacle (C136.41 compliant) only w/shorting cap, accepts standard twist-lock photocell or PC/Control Node for wireless dimming control.

## SPECIFICATION

### Application

6" diameter LumenPole Light Columns and Bollards are designed for architectural relevance to intimate indoor and outdoor environments where pedestrian level illumination is required. The COB LED with reflector provides illumination downward on the ground to light walkways, public gathering spaces, gardens, along waterfronts and marinas and other public and private areas. Typical applications include residential, commercial, and retail.

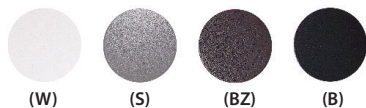
### Housing, Arms, Enclosure Lens

Housing and vertical support Arms are constructed from curvilinear and trapezoid shaped high-grade robust aluminum extrusion. A white opal acrylic lens encloses the openings between the vertical support arms. End caps are die-cast aluminum and seal the housing (top and bottom) using silicone O-rings. An oval hand hole in the base provides access to electrical and mounting components. Hand hole cover is flush mount to the luminaire body. A fabricated aluminum mounting plate installs onto supplied stainless steel anchor bolts and secures to the housing at the base with countersunk, Phillips head, stainless steel screws.

### Housing, Arms, Enclosure Lens

The 5.7" round mounting plate with U-bracket installs supplied stainless steel anchor bolts (or other hardware) on a solid substrate. For specific mounting options see installation instructions.

### Finish



A 7-stage electrostatic, polymer process provides an outdoor powder coat finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation.

#### Standard Finishes:

White: RAL 9005 (B)  
Silver: RAL 7037 (S)  
Bronze: RAL 8019 (BZ)  
Black: RAL 9005 (B)

Consult factory for Custom Color.

Paint does not contain any copper compounds or elements.

### Certifications and Listings



ETL / cETL Listed to UL1598 and UL8750 standards.

Suitable wet locations. (IP66)

Assembled in USA.

IK08 rated - Protected against 5 joules impact. Equivalent to impact of 1.7 kg mass dropped from 300 mm above impacted surface.

# BL2R-31/40 : LUMENPOLE ROUND BOLLARD

6" FROSTED LENS - 31", AND 40" HEIGHT  
1200LM-1500LM (13W-18W)

## SPECIFICATION (Continued)

### Caution

LITON recommends use of surge protectors on incoming power. Locate them in the most convenient servicing location. Surge damage is not covered by warranty.

### Warranty

Covered by a 5-Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 60°C. Doing so will result in reduced lamp life and voided warranty.

### Optics

The diffusing enclosure lens produces a Symmetric Wide (-SYM-W) distribution.

### LED

COB (Chip on Board) singular LED light source provides for smooth, uniform light output, eliminating the multiple imaging produced by multiple LED source optics. Binned with 4-step MacAdam ellipses as per ANSI Standard recommendation.

### Lumen Maintenance

Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results..

### Lumen Options (Delivered)

1200lm (13W), 1500lm (18W)

### Color Temperature

| COLOR TEMP: | 2700K | 3000K | 3500K | 4000K | 5000K |
|-------------|-------|-------|-------|-------|-------|
| CRI:        | 80    | 80    | 80    | 80    | 80    |



### RGBW

15W RGBW LED Module Illuminates surfaces up to 10 feet away. Used for applications desiring a dynamic color changing effect. RGBW design allows fine-tuned pastel colors and saturated hues without sacrificing illumination brightness. Can be set for static colors or dynamic shows. Multiple control options available with either Wireless Bluetooth control or DMX 512 remote mounted decoders.

On-site commissioning and programing available. Consult Factory for Layout Assistance and Lead Times.



### Quick Ship Items

BL2R-31B-SYM-W-T30-C80  
BL2R-31B-SYM-W-T40-C80

### Electrical

LED Driver: AC 50/60Hz Electronic Direct Current Class 2 driver integrally mounted. Incoming power connects to Terminal Blocks. Power Factor > 0.90.

### Minimum Operating Temperature:

UE-DUN: -22°F/-30°C

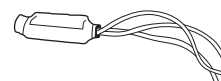
### Additional Options

Photocell (-UE-SDL): For 120V/277V input. Installed internally in fixture. Sensor provides a smart lighting control for energy efficient lighting.



Surge Protector(-SRG): Protects driver against surges in line voltage/current (20KV, 1.2/50µS & 10KA, 8/20µS).

At end-of-life Suppressor opens the circuit to protect the driver. Surge suppressor is a perishable device requiring periodic replacement. Not a warranted item.



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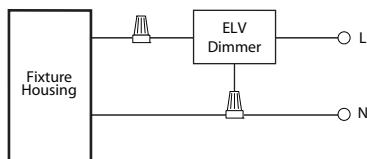
## SPECIFICATION (Continued)

### Dimming Options

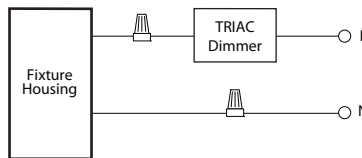
#### UniDim™ Driver 120V/277V (UE-DUN):

All in one ELV and TRIAC phase dimming (120V only), and 0-10V dimming (120V/277V). Works with most 3-Wire ELV, 2-Wire incandescent and 120V/277V 5-Wire 0-10V fluorescent dimmers.

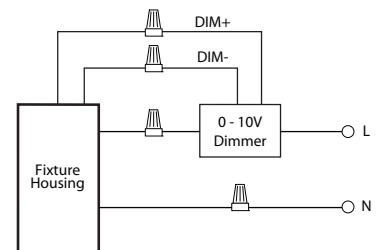
Incandescent/Phase Wiring  
ELV



TRIAC



0 - 10V Wiring



## SPECIFICATION (Continued)

### Integral Emergency Battery (-EMAC)

Integrally mounted inside fixture. Upon failure of normal utility power, the device immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes.

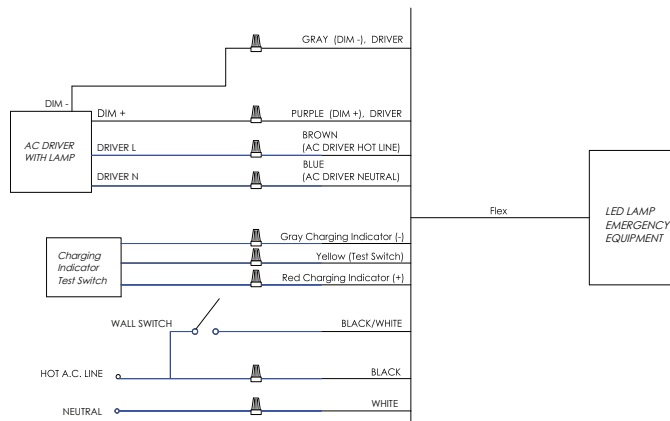
Level A Sound Rating.

Battery Operates @ 0°C to 40°C ambient (32°F to 104°F).

Battery re-charge within 24 hours.

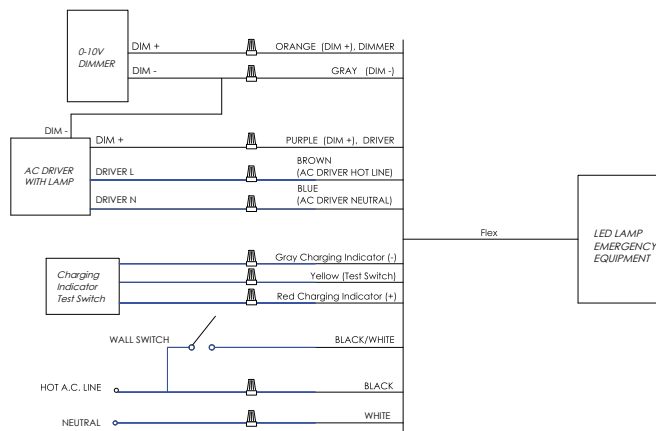
The battery is a maintenance-free, environmentally friendly Lithium Iron Phosphate with 50,000 hour life. A low voltage battery disconnect feature protects the battery from damage during prolonged power failures. Self-diagnostic feature monitors LED status, emergency LED driver circuit, battery capacity and charger function and displays any fault detection via test switch.

#### <40W LOAD



|                      |                               |
|----------------------|-------------------------------|
| Input Voltage:       | 120-277VAC/60Hz               |
| Output Voltage:      | 170VDC<br>(120VAC Equivalent) |
| Wattage:             | 40W                           |
| Switching Time:      | <1s                           |
| Charging Time:       | 24h                           |
| Operating Time:      | 90 minutes                    |
| Minimum Temperature: | 0°C                           |
| Maximum Temperature: | 50°C                          |
| Maximum Lumens:      | 2500lm                        |

#### >40W LOAD



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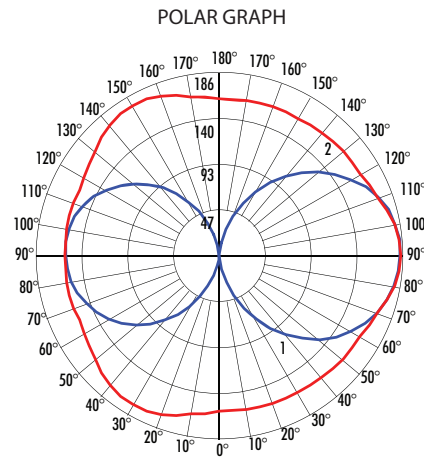
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1200LM-1500LM (13W-18W)

## PHOTOMETRY

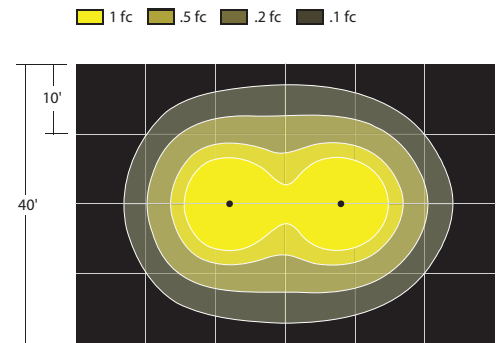
### BL2R-40-B-SYM-W-T30-C80 (40" Height, 18W, Symmetric Wide, 3000K)

System Power: 17.3W  
Test Date: 09/2023  
Beam Angle 50%: 180.0°  
Field Angle 10%: 180.0°  
Color Temperature: 3000K  
CRI: 80  
Lumens Delivered: 1567  
CBCP: 185  
Power Factor: 0.99

| MULTIPLIERS |      |
|-------------|------|
| HEIGHT      |      |
| 31"         | 0.74 |
| 40"         | 1.00 |
| CCT         |      |
| 2700K :     | 0.94 |
| 3000K :     | 1.00 |
| 3500K :     | 1.02 |
| 4000K :     | 1.06 |



FOOTCANDLES ON GROUND  
2 Fixture Overlap, 16 Ft. Spacing  
2.05 Ft. Optical. Ht., 1567 lm

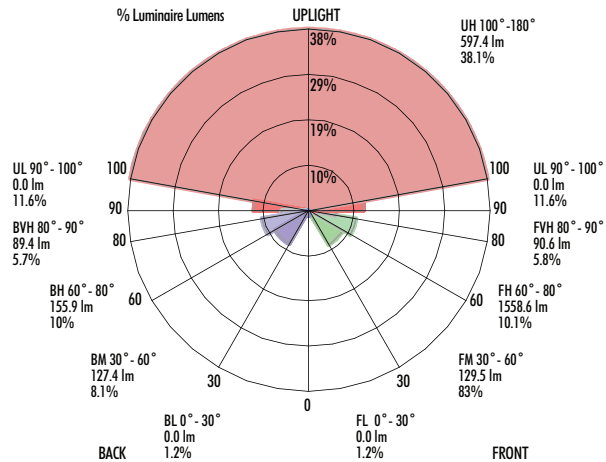


Maximum Candela = 186 Located At Horizontal Angle = 0, Vertical Angle = 95  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (95) (Through Max. Cd.)

## LCS TABLE

| BUG RATING          |       | B1-U4-G1 |          |
|---------------------|-------|----------|----------|
| FRONT               |       | Lumens   | Lumens % |
| Low (0-30°)         | 0.0   | 1.2%     |          |
| Medium (30°-60°)    | 129.5 | 8.3%     |          |
| High (60°-80°)      | 158.6 | 10.1%    |          |
| Very High (80°-90°) | 90.6  | 5.8%     |          |
| BACK                |       | Lumens   | Lumens % |
| Low (0-30°)         | 0.0   | 1.2%     |          |
| Medium (30°-60°)    | 127.4 | 8.1%     |          |
| High (60°-80°)      | 155.9 | 10.0%    |          |
| Very High (80°-90°) | 89.4  | 5.7%     |          |
| UPLIGHT             |       | Lumens   | Lumens % |
| Low (90°-100°)      | 0.0   | 11.6%    |          |
| High (100°-180°)    | 597.4 | 38.1%    |          |

## LCS GRAPH



\*Lumens delivered