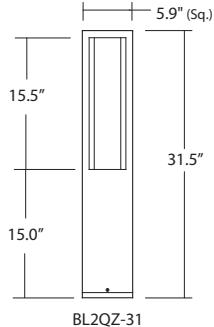


# BL2QZ-31: LUMENPOLE SQUARE BOLLARD

6" OPEN FRAME - 31" HEIGHT  
500LM - 1300LM (8W - 18W)



- Up to 18W, 1300lm delivered
- Dark Sky Compliant
- U.S. Assembled
- Tamper Resistant Hardware
- IK08 Impact Rating
- Optional Photocell Sensor/ GFCI Provision and In-Use Cover
- Quick Ship Options Available
- 90 CRI Standard, 80 CRI on 5000K

ORDERING : BL2QZ-31B-L14-SYM-WUE-D10-T27-C90-UE-SDL

**BL2QZ-31**

Fixture      Finish      Lumens      Optic      Driver      LED      Options      /      Openings

**Fixture**

31" Bollard      **BL2QZ-31**

**Finish**

Black      **B**

White      **W<sup>1</sup>**

Silver      **S<sup>1</sup>**

Basic Bronze      **BZ<sup>1</sup>**

**Lumens**

700lm (8W)      **-L05<sup>3</sup>**

800lm (10W)      **-L08**

1200lm (14W)      **-L10**

1700lm (18W)      **-L14**

**Optic**

Symmetric  
Wide (120°)      **-SYM-W**

**Driver**

Non Dimming (120V)      **Blank**

ELV and TRIAC

Dimming (120V)

0-10V Dimming

(120V/277V)

UniDim™ (120V/277V)

347V

DALI Dimming

-DLI<sup>1</sup>

-DIN

**UE-D10**

**UE-DUN**

-347

-T27-C90

**-T30-C90**

**-T35-C90**

**-T40-C90**

**-T50**

**Options**

None      **Blank**

Photocell Sensor

(120V/277V)

Surge Protector

**-SRG<sup>3</sup>**

GFCI Provision and

In-Use Cover

Cold Weather

**-CW<sup>4</sup>**

-UE-SDL<sup>3</sup>

-SRG<sup>3</sup>

-GFI<sup>2</sup>

-CW<sup>4</sup>

-UE-SDL<sup>3</sup>

-SRG<sup>3</sup>

**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 LED COB 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**

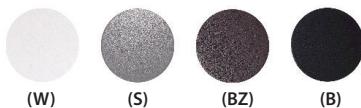
Housing and Arms are constructed from curvilinear and trapezoid shaped high-grade robust aluminum extrusion. A clear tempered glass lens is sealed to the Faceplate with a silicone O-ring. The Faceplate and end caps are die-cast aluminum and seal the housing (top and bottom) using silicone O-rings. A fabricated aluminum mounting plate installs onto supplied stainless steel anchor bolts and secures to the housing with countersunk, Phillips head, stainless steel screws.

**Mounting**

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.

**Openings**

Aluminum panels affixed to the inside of adjacent vertical support arms control the light emitting from the openings. Configurations available: No panels; 1 panel; 2 panels at 90°; 2 panels at 180°; 3 panels at 90°.

**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**

US Assembled



Dark Sky



Cold Weather

ETL / cETL Listed to UL1598 and UL8750 standards.

Suitable wet locations. (IP66)

Assembled in USA.

Dark Sky - Dark Sky compliant.

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

## 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.

### Optic

A multifaceted aluminum coated reflector produces a Symmetric Wide (-SY-W) 120° 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)

500lm (8W), 600lm (10W), 900lm (14W), 1300lm (18W)

### Color Temperature

COLOR TEMP:	2700K	3000K	3500K	4000K	5000K
CRI:	90	90	90	90	80



### Quick Ship Items

BL2QZ-31B-Lxx-SYM-WUE-DUN-T27-C90  
BL2QZ-31B-Lxx-SYM-WUE-DUN-T30-C90  
BL2QZ-31B-Lxx-SYM-WUE-DUN-T35-C90  
BL2QZ-31B-Lxx-SYM-WUE-DUN-T40-C90

### 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:

Standard driver: -30°C/-22°F  
Cold Weather driver: -40°C/-40°F

### Additional Options

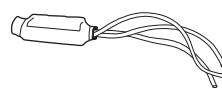
Photocell (-UE-SDL): For 120V/277V input. Installed internally in fixture. Sensor provides a smart lighting control for energy efficient lighting.



GFCI Outlet Provision W/In-Use Cover (-GFI): Factory installed GFCI provision and in-use cover in the luminaire.



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.



## SPECIFICATION (Continued)

### Dimming Options

#### **ELV and TRIAC Driver 120V (-DIN):**

Compatible with electronic low voltage, and 2-Wire incandescent dimmers. Also known as leading edge, Reverse Phase, Forward Phase dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations.

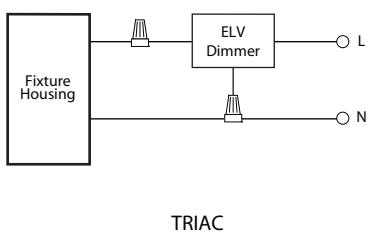
#### **0-10V Driver 120V/277V (UE-D10):**

Compatible with most existing 0-10V systems. Also known as fluorescent or 5-Wire dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations. Compatible with daylight harvesting controls.

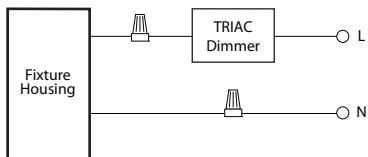
#### **UniDim™ Driver 120V/277V (UE-DUN):**

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.

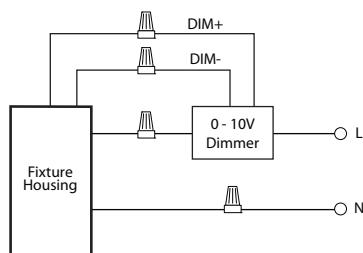
Incandescent/Phase Wiring  
ELV



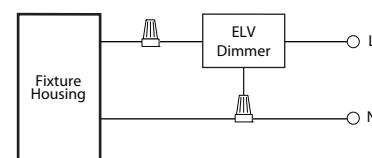
TRIAC



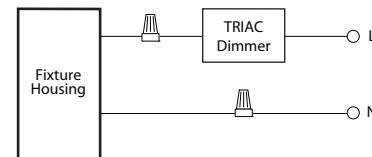
0 - 10V Wiring



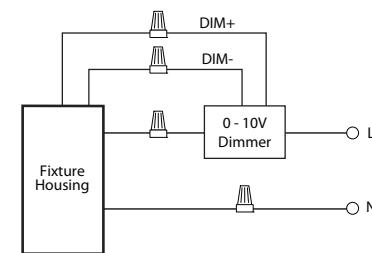
Incandescent/Phase Wiring  
ELV



TRIAC



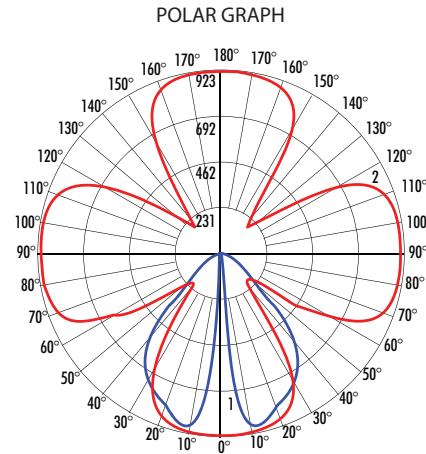
0 - 10V Wiring



## PHOTOMETRY

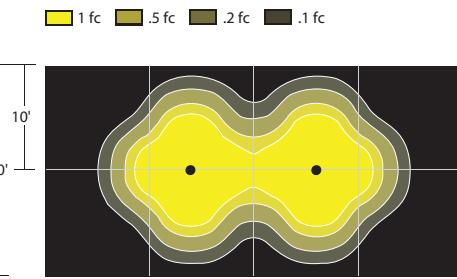
**BL2QZ-31-B-L14-SYM-W-T30-C90** (31" Height, 1300lm\*, 18W, Asymmetric Wide, 3000K)

System Power:	43.1 W	MULTIPLIERS	
Test Date:	09/2023	HEIGHT	
Beam Angle 50%:	86.0°	-L05	0.42
Field Angle 10%:	123.9°	-L07	0.50
Color Temperature:	3000K	-L10	0.75
CRI:	90	<b>-L14</b>	<b>1.00</b>
Lumens Delivered:	1248.5	CCT	
CBCP:	910.4	2700K:	0.94
Power Factor:	0.9	<b>3000K:</b>	<b>1.00</b>
		3500K:	1.03
		4000K:	1.07



Maximum Candela = 923 Located At Horizontal Angle = 95, Vertical Angle = 10  
 # 1 - Vertical Plane Through Horizontal Angles (90 - 275) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (10 ) (Through Max. Cd.)

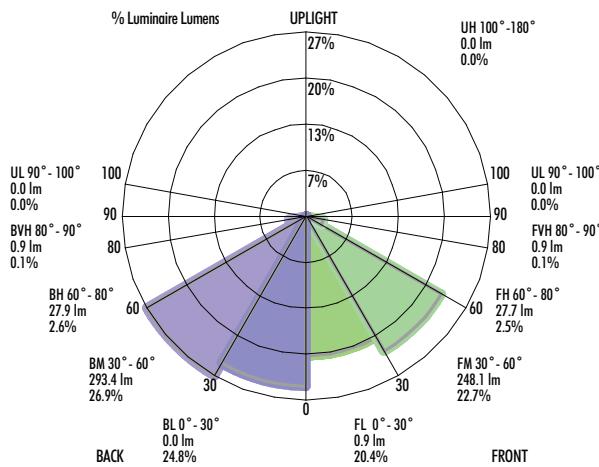
**FOOTCANDLES ON GROUND**  
 2 Fixture Overlap, 12 Ft. Spacing  
 2.55 Ft. Light Source Mtg. Ht., 1248lm



## LCS TABLE

BUG RATING		B1-U0-G0	
FRONT		Lumens	Lumens %
Low (0-30°)	0.0	20.4%	
Medium (30°-60°)	248.1	22.7%	
High (60°-80°)	27.7	2.5%	
Very High (80°-90°)	0.9	0.1%	
BACK			
Low (0-30°)	0.0	24.8%	
Medium (30°-60°)	293.4	26.9%	
High (60°-80°)	27.9	2.6%	
Very High (80°-90°)	0.9	0.1%	
UPLIGHT			
Low (90°-100°)	0.0	0.0%	
High (100°-180°)	0.0	0.0%	

## LCS GRAPH



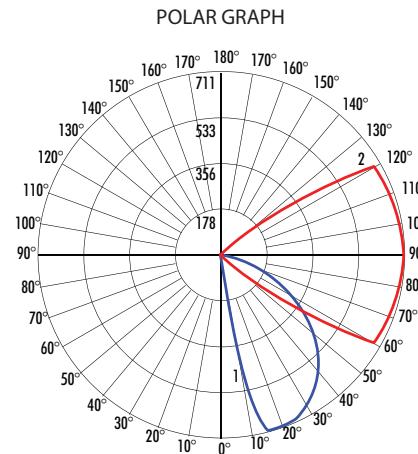
\*Lumens delivered

6" OPEN FRAME - 31" HEIGHT  
500LM - 1300LM (8W - 18W)

## PHOTOMETRY (Continued)

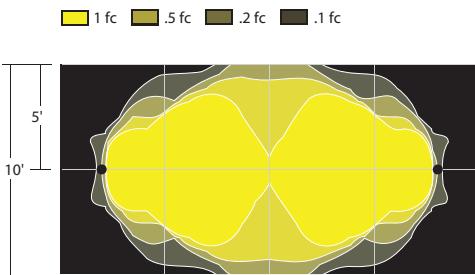
**BL2QZ-31B-L14-SYM-W-T30-C90/3-90** (403lm\*, 18W, Symmetric Wide, 3-Sides Closed, 3000K)

System Power:	21.2 W	MULTIPLIERS	
Test Date:	09/2023	HEIGHT	
Beam Angle 50%:	27.4°	-L05	0.42
Field Angle 10%:	32.9°	-L07	0.50
Color Temperature:	3000K	-L10	0.75
CRI:	90	<b>-L14</b>	<b>1.00</b>
Lumens Delivered:	403.0	CCT	
CBCP:	711	2700K:	0.94
Power Factor:	0.9	<b>3000K:</b>	<b>1.00</b>
		3500K:	1.03
		4000K:	1.07



Maximum Candela = 711 Located At Horizontal Angle = 0, Vertical Angle = 20  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)

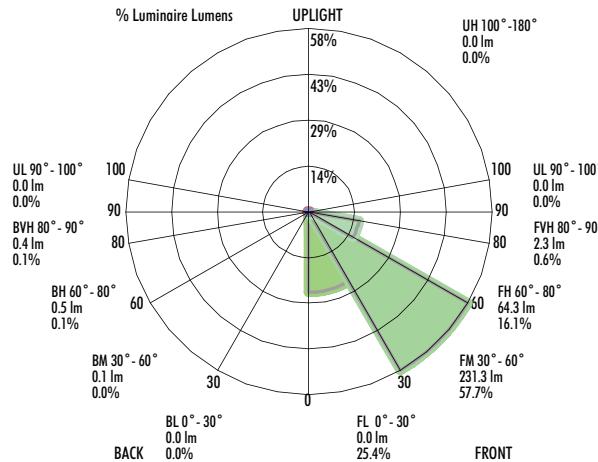
FOOTCANDLES ON GROUND  
 2 Fixture Overlap, 16 Ft. Spacing  
 2.55 Ft. Light Source Mtg. Ht., 403lm



LCS TABLE

FRONT		BO-UO-GO	
	Lumens	Lumens %	
Low (0-30°)	0.0	25.4%	
Medium (30°-60°)	231.3	57.7%	
High (60°-80°)	64.3	16.1%	
Very High (80°-90°)	2.3	0.6%	
BACK			
Low (0-30°)	0.0	0.0%	
Medium (30°-60°)	0.1	0.0%	
High (60°-80°)	0.5	0.1%	
Very High (80°-90°)	0.4	0.1%	
UPLIGHT			
Low (90°-100°)	0.0	0.0%	
High (100°-180°)	0.0	0.0%	

LCS GRAPH



\*Lumens delivered