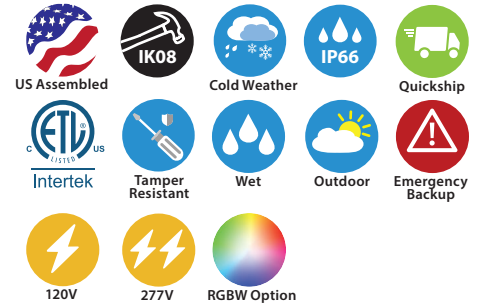
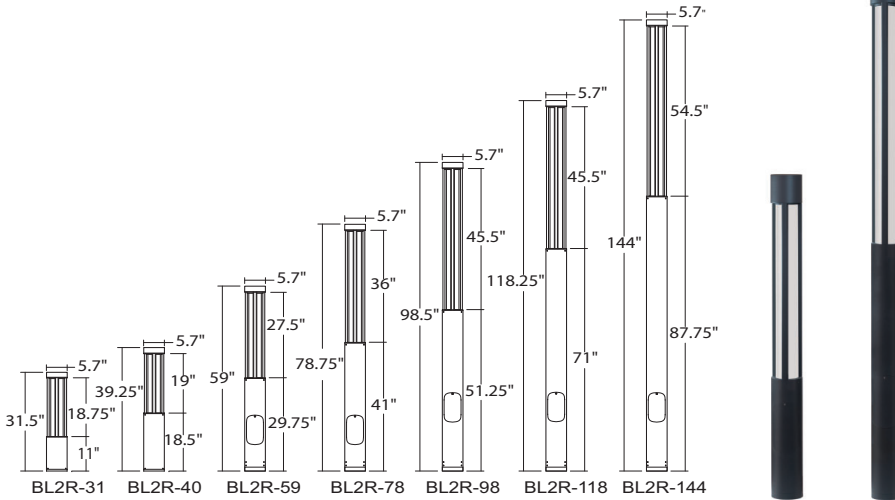


BL2R : LUMENPOLE ROUND BOLLARD & COLUMN

6" FROSTED LENS - 31", 40", 59", 78", 98", 118", AND 144" HEIGHT
 1200LM-3100LM (13W-30W)



- Up to 50W, 2600lm delivered
- U.S. Assembled
- Tamper Resistant Hardware
- IK08 Impact Rating
- RGBW Available
- Integral Emergency Option
- Optional Photocell Sensor
- Quick Ship Options Available

ORDERING : BL2R-118B-SYM-W-T40-C90-UE-SDL

BL2R

Fixture Height Finish Optic Driver LED Options

Height	Finish	Driver	Options
31" Bollard, 1200lm (13W)	-31	Black B	None Blank
40" Bollard, 1500lm (18W)	-40	White W⁵	Photocell Sensor (120V/277V) -UE-SDL³
59" Light Column, 1700lm (20W)	-59	Silver S⁵	Surge Protector (120V/277V) -SRG³
78" Light Column, 2100lm (25W)	-78	Bronze BZ⁵	Integral Emergency Battery -EMAC³
98" Light Column, 2700lm (30W)	-98		Cold Weather -CW⁴
118" Light Column, 3100lm (30W)	-118¹	Optic	
144" Light Column, 3100lm (30W)	-144¹	Symmetric -SYM-W	
		Wide (120°)	
		Driver	
		UE-DUN (120V/277V) Blank	
		0-10V, ELV and Triac Dimmable	
		LED	
		2700K (90 CRI) -T27-C90¹	
		3000K (90 CRI) -T30-C90	
		3500K (90 CRI) -T35-C90	
		4000K (90 CRI) -T40-C90	
		5000K (80 CRI) -T50¹	
		RGBW -RGBW^{1,2,3,6}	

¹ Special order. Minimum order quantity, extended lead time, and setup fee may apply. Consult factory.
² Available with wireless Bluetooth or DMX control. Consult factory for details. Remote power supplies and control gear may be required.
³ Not rated for cold weather. Minimum fixture outdoor temperature 0°C (32°F).
⁴ Starting Temperature -40°C/-40°F. Not available for (-31).
⁵ Special Order Finish. Minimum order quantity (MOQ) applies. Orders less than MOQ are subject to a special paint set-up fee for the quantity ordered. Extended lead times may apply. Consult Factory.
⁶ Remote Power Supplies and Control Gear required. Available with Wireless Bluetooth Casambi or DMX 512 control. Consult Factory for Details.

Custom RAL Color: Please note that we appreciate custom finishes. Custom finishes are subject to a special paint setup fee for the quantity ordered. Extended lead times may apply. Consult Factory.

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.

BL2R : LUMENPOLE ROUND BOLLARD & COLUMN

6" FROSTED LENS - 31", 40", 59", 78", 98", 118", AND 144" HEIGHT
1200LM-3100LM (13W-30W)

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.

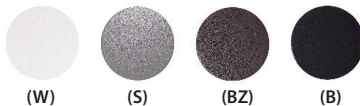
Housing, Arms, Enclosure Lens

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 : LUMENPOLE ROUND BOLLARD & COLUMN

6" FROSTED LENS - 31", 40", 59", 78", 98", 118", AND 144" HEIGHT
1200LM-3100LM (13W-30W)

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), 1700lm (20W), 2100lm (25W), 2700lm (30W), 3100lm (30W)

Color Temperature

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



RGBW

20W-53W 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
- BL2R-59B-SYM-W-T30-C80
- BL2R-59B-SYM-W-T40-C80
- BL2R-78B-SYM-W-T30-C80
- BL2R-78B-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:

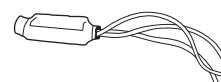
UE-DUN: -22°F/-30°C

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.



BL2R : LUMENPOLE ROUND BOLLARD & COLUMN

6" FROSTED LENS - 31", 40", 59", 78", 98", 118", AND 144" HEIGHT
1200LM-3100LM (13W-30W)

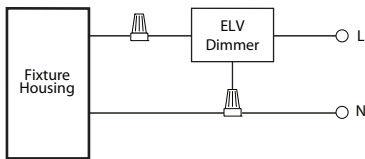
SPECIFICATION (Continued)

Dimming Options

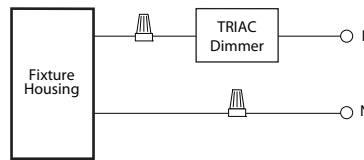
UniDim™ Driver 120V/277V (UE-DUN):

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.

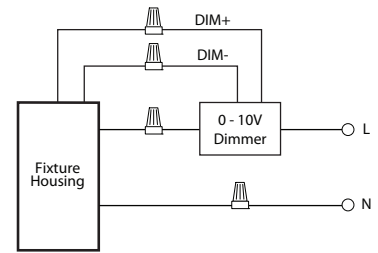
Incandescent/Phase Wiring
ELV



TRIAC



0 - 10V Wiring



BL2R : LUMENPOLE ROUND BOLLARD & COLUMN

6" FROSTED LENS - 31", 40", 59", 78", 98", 118", AND 144" HEIGHT
1200LM-3100LM (13W-30W)

SPECIFICATION (Continued)

RGB+W:



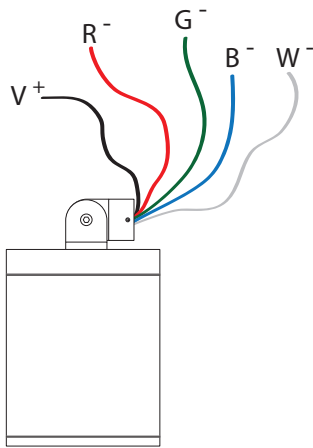
CASAMBI

15W RGBW LED Module illuminates surfaces up to 10 feet away. Used for applications desiring a dynamic color changing effect. RGB+W 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 CASAMBI Wireless Bluetooth control or DMX 512 remote mounted decoders.

On-site commissioning and programming available.

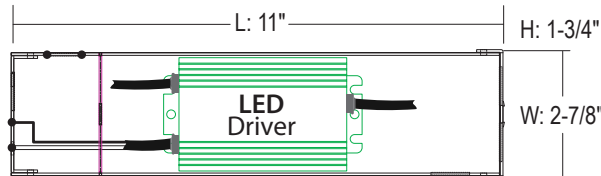
Consult Factory for Layout Assistance and Lead Times.

COLOR	CCT/WAVELENGTH	POWER
Red	640nm	3.1W
Green	520nm	3.1W
Blue	450nm	3.1W
White	2700K	3.1W

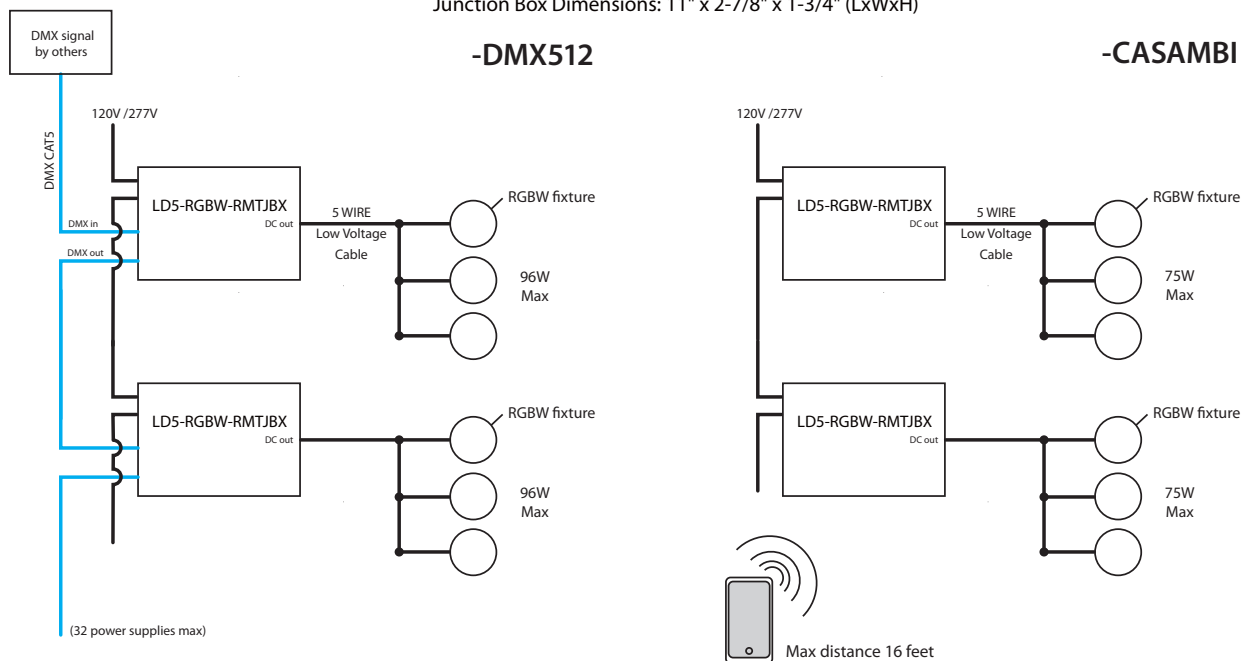


WIRED

Remote Power Supply	Controls	Wattage
LD5-RGBW-RMTJBX	Remote Mounted Decoder	-DMX512 15W -W15
	Wireless Bluetooth Control	-CASAMBI 30W -W30
		60W -W60
		96W -W96



Junction Box Dimensions: 11" x 2-7/8" x 1-3/4" (LxWxH)



NOTE: Power supply must be placed in dry locations only. 100 feet max for 5 wire low voltage cable 18AWG.

BL2R : LUMENPOLE ROUND BOLLARD & COLUMN

6" FROSTED LENS - 31", 40", 59", 78", 98", 118", AND 144" HEIGHT
1200LM-3100LM (13W-30W)

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.

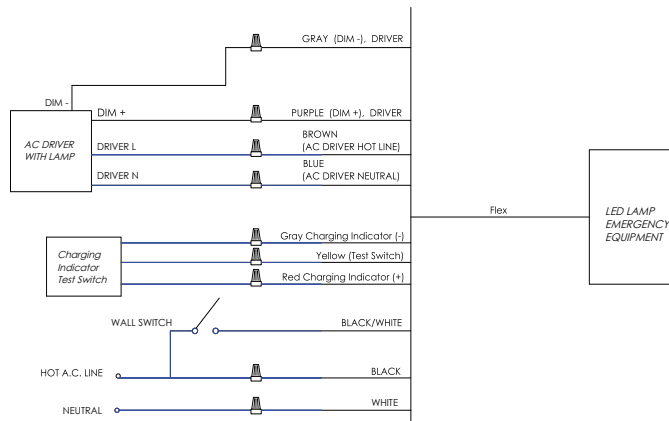
Level A Sound Rating.

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

Battery re-charge within 24 hours.

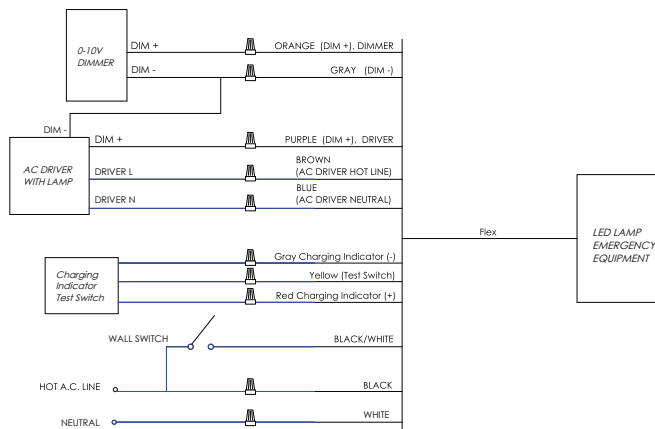
The battery is a maintenance-free, environmentally friendly Lithium Iron Phosphate with 50,000 hour life. A low voltage battery disconnect feature protects the battery from damage during prolonged power failures. Self-diagnostic feature monitors LED status, emergency LED driver circuit, battery capacity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

<40W LOAD



Input Voltage:	120-277VAC/60Hz
Output Voltage:	170VDC (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



BL2R : LUMENPOLE ROUND BOLLARD & COLUMN

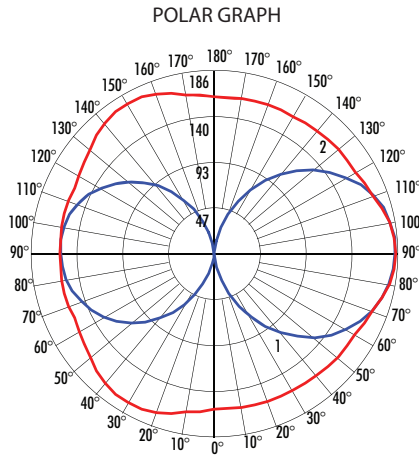
6" FROSTED LENS - 31", 40", 59", 78", 98", 118", AND 144" HEIGHT
1200LM-3100LM (13W-30W)

PHOTOMETRY

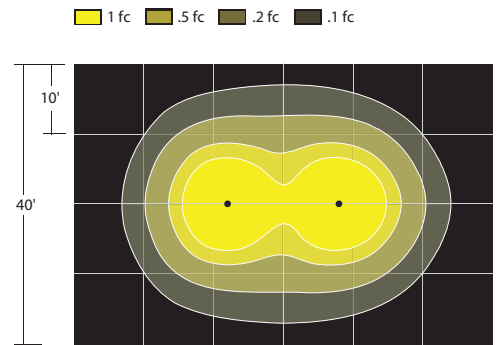
BL2R-40-B-SYM-W-T30-C80 (40" Height, 18W, Symmetric Wide, 3000K)

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
59"	1.06
78"	1.35
98"	1.69
118"	1.98
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

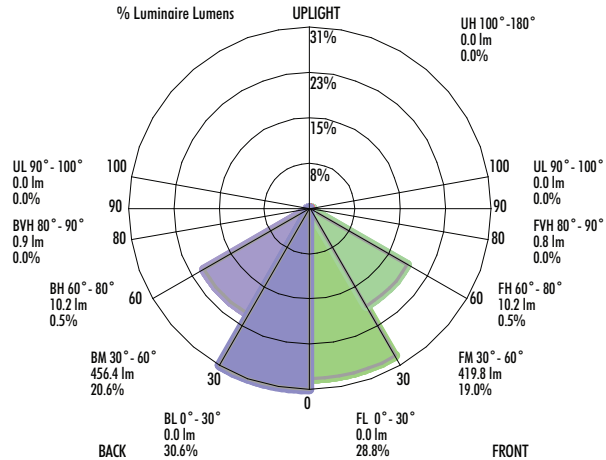


Maximum Candela = 186 Located At Horizontal Angle = 0, Vertical Angle = 95
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (95) (Through Max. Cd.)

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		
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		
Low (90°-100°)	0.0	11.6%
High (100°-180°)	597.4	38.1%

LCS GRAPH

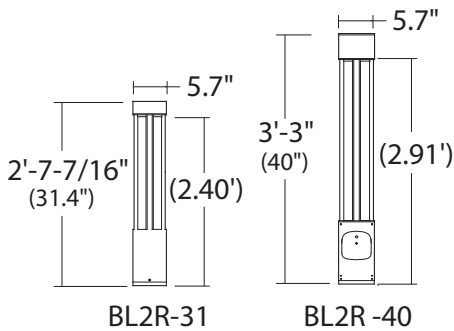


*Lumens delivered

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
Height					Optic	Driver		Options
31" Bollard, 1200lm (13W)	-31				Symmetric	-SYM-W	UE-DUN (120V/277V) 0-10V, ELV and Triac Dimmable	None Photocell Sensor (120V/277V)
40" Bollard, 1500lm (18W)	-40						DALI Dimming	Surge Protector (120V/277V)
Finish							LED	Integral Emergency Battery
Black	B						2700K (90 CRI)	Cold Weather
White	W¹						3000K (90 CRI)	
Silver	S¹						3500K (90 CRI)	
Basic Bronze	BZ¹						4000K (90 CRI)	
							5000K (80 CRI)	
							RGBW	

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

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

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

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

⁵ Remote Power Supplies and Control Gear required. Available with Wireless Bluetooth Casambi or DMX 512 control. Consult Factory for Details.

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.

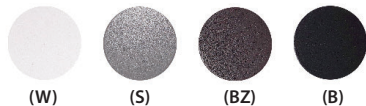
Housing, Arms, Enclosure Lens

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 programming 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

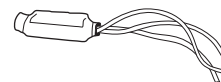
Additional Options

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.



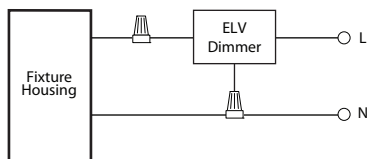
SPECIFICATION (Continued)

Dimming Options

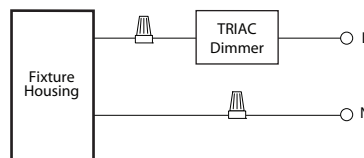
UniDim™ Driver 120V/277V (UE-DUN):

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.

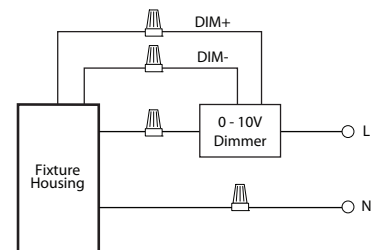
Incandescent/Phase Wiring
ELV



TRIAC



0 - 10V Wiring



SPECIFICATION (Continued)

RGB+W:



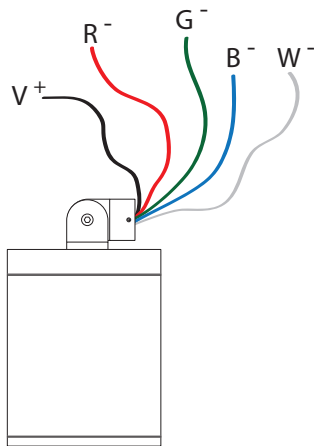
CASAMBI

15W RGBW LED Module illuminates surfaces up to 10 feet away. Used for applications desiring a dynamic color changing effect. RGB+W 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 CASAMBI Wireless Bluetooth control or DMX 512 remote mounted decoders.

On-site commissioning and programming available.

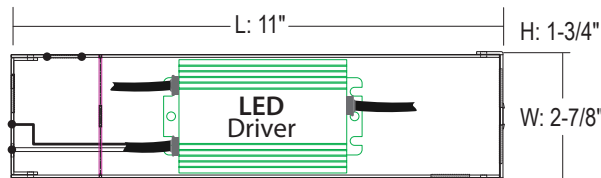
Consult Factory for Layout Assistance and Lead Times.

COLOR	CCT/WAVELENGTH	POWER
Red	640nm	3.1W
Green	520nm	3.1W
Blue	450nm	3.1W
White	2700K	3.1W

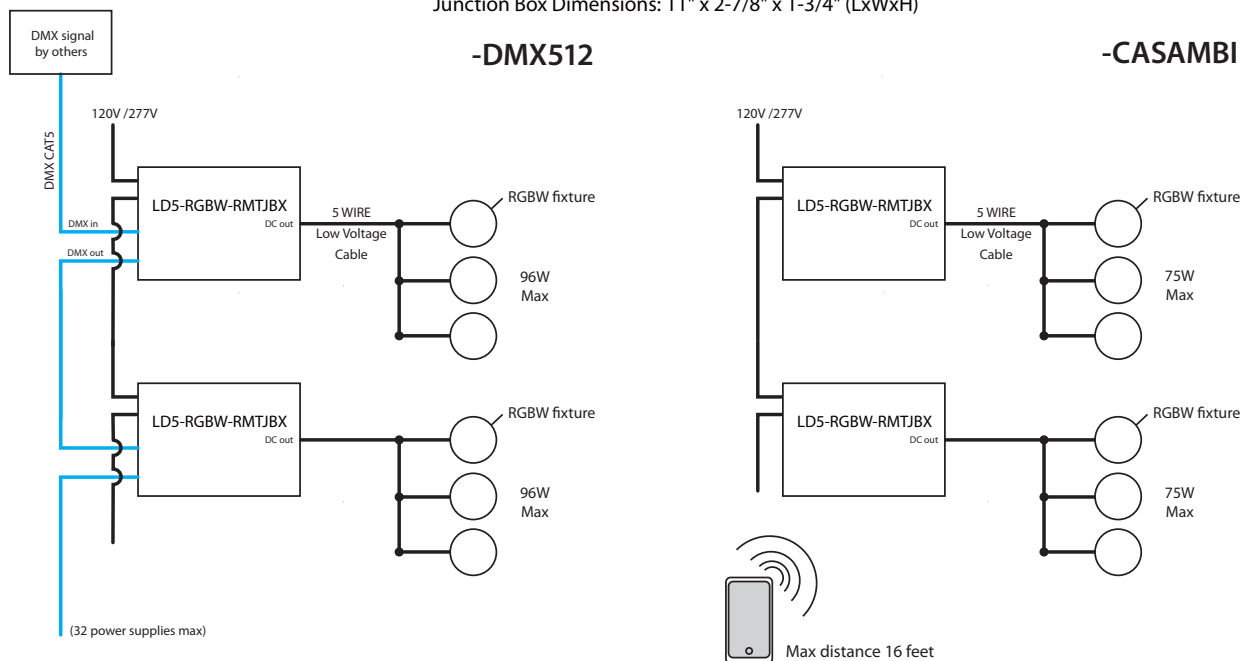


WIRED

Remote Power Supply	Controls	Wattage
LD5-RGBW-RMTJBX	Remote Mounted Decoder	-DMX512 15W -W15
	Wireless Bluetooth Control	-CASAMBI 30W -W30
		60W -W60
		96W -W96



Junction Box Dimensions: 11" x 2-7/8" x 1-3/4" (LxWxH)



NOTE: Power supply must be placed in dry locations only. 100 feet max for 5 wire low voltage cable 18AWG.

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.

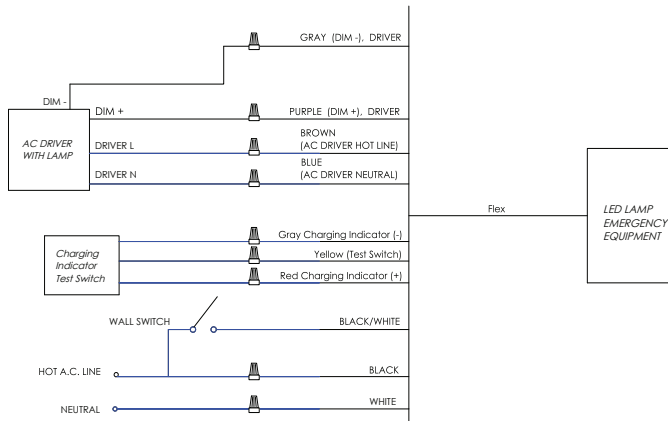
Level A Sound Rating.

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

Battery re-charge within 24 hours.

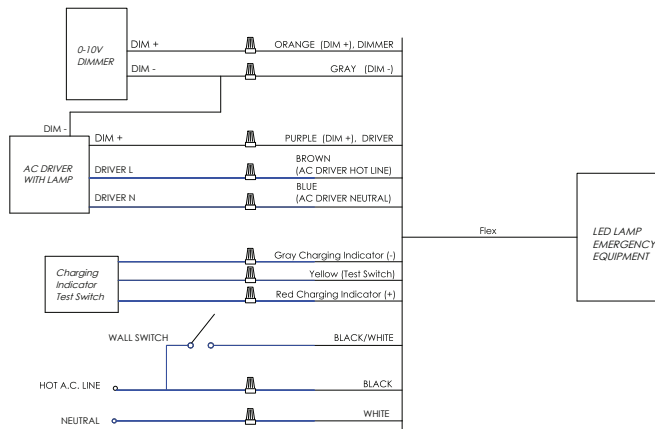
The battery is a maintenance-free, environmentally friendly Lithium Iron Phosphate with 50,000 hour life. A low voltage battery disconnect feature protects the battery from damage during prolonged power failures. Self-diagnostic feature monitors LED status, emergency LED driver circuit, battery capacity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

<40W LOAD



Input Voltage:	120-277VAC/60Hz
Output Voltage:	170VDC (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



BL2R-31/40 : LUMENPOLE ROUND BOLLARD

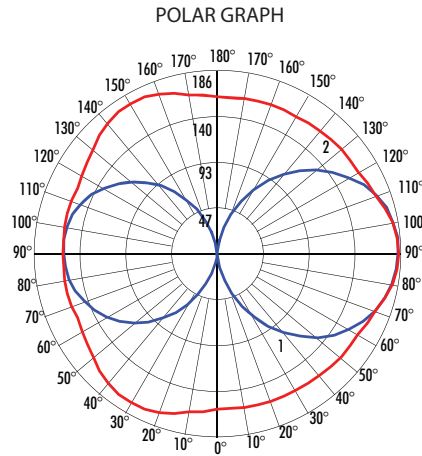
6" FROSTED LENS - 31", AND 40" HEIGHT
1200LM-1500LM (13W-18W)

PHOTOMETRY

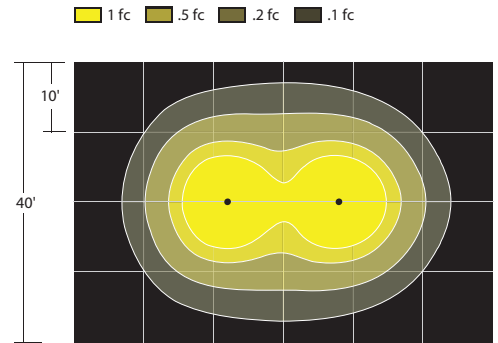
BL2R-40-B-SYM-W-T30-C80 (40" Height, 18W, Symmetric Wide, 3000K)

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

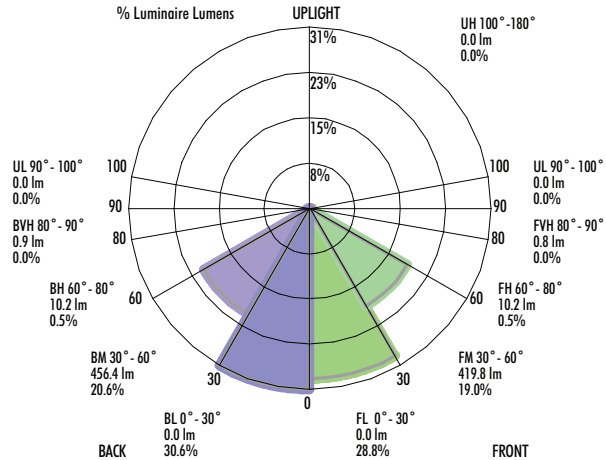


Maximum Candela = 186 Located At Horizontal Angle = 0, Vertical Angle = 95
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (95) (Through Max. Cd.)

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		
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		
Low (90°-100°)	0.0	11.6%
High (100°-180°)	597.4	38.1%

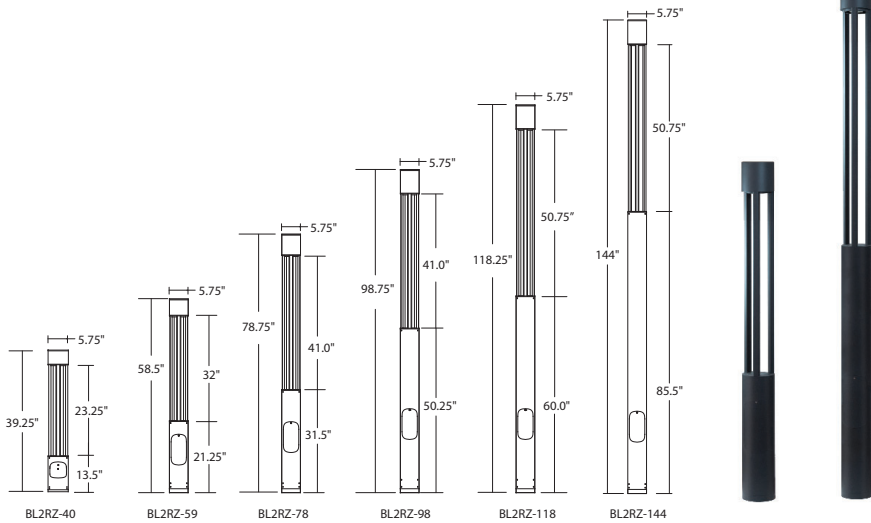
LCS GRAPH



*Lumens delivered

BL2RZ : LUMENPOLE ROUND BOLLARD & COLUMN

6" OPEN FRAME - 40", 59", 78", 98", 118" AND 144" HEIGHT
 1000LM-2600LM (20W-50W)



- Up to 50W, 2600lm delivered
- Dark Sky Compliant
- U.S. Assembled
- Tamper Resistant Hardware
- IK08 Impact Rating
- Integral Emergency Option
- Optional Photocell Sensor
- Quick Ship Options Available
- 90 CRI Standard, 80 CRI on 5000K

ORDERING : BL2RZ-78B-L24-ASY-WUE-D10-T30-C90-SRG

BL2RZ

Fixture	Height	Finish	Lumens	Optic	Driver	LED	Options
Height		Lumens		Driver		Options	
40" Bollard	-40¹		1000lm (20W) -L18		Non-Dimming (120V) Blank		None Blank
59" Light Column	-59		1400lm (27W) -L24		ELV and TRIAC Dimming (120V) -DIN		Photocell Sensor (120V/277V) -UE-SDL⁵
78" Light Column	-78		2200lm (42W) -L30		0-10V Dimming (120V/277V) UE-D10		Surge Protector -SRG⁵
98" Light Column	-98		2600lm (50W) -L34^{2,4}		UniDim™ (120V/277V) UE-DUN		Integral Emergency Battery -EMAC⁵
118" Light Column	-118¹						Frosted Lens -FR
144" Light Column	-144¹						Cold Weather -CW^{3,4}
Finish		Optic		Driver		LED	
Black	B	Symmetric Narrow (45°)	-SYM-N		347V -347		2700K (90CRI) -T27-C90
White	W¹	Symmetric Wide (75°)	-SYM-W		DALI Dimming -DLI¹		3000K (90CRI) -T30-C90
Silver	S¹	Asymmetric Forward Throw	-ASY-FT				3500K (90 CRI) -T35-C90
Bronze	BZ¹	Asymmetric Wide	-ASY-W				4000K (90 CRI) -T40-C90
							5000K (80 CRI) -T50
							590nm Amber (Turtle Safe) -TAM-LVR⁶

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

² For BL2RZ-98, BL2RZ-118, and BL2RZ-144 only.

³ Starting Temperature -40°C/-40°F.

⁴ (-L34) and (-CW) only compatible for (-347) driver.

⁵ Not rated for cold weather. Minimum fixture outdoor temperature 0°C/32°F.

⁶ (-TAM-LVR) option only available with Lumens -L18 and -L24.

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 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.

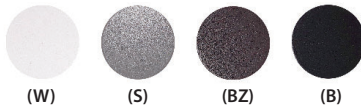
Mounting

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.

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.

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.

BL2RZ : LUMENPOLE ROUND BOLLARD & COLUMN

6" OPEN FRAME - 40", 59", 78", 98", AND 118" HEIGHT
1000LM-2600LM (20W-50W)

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

Multifaceted aluminum coated reflectors produce Symmetric Narrow (-SYM-N) 45°, Symmetric Wide (-SY-W) 75°, Asymmetric Forward Throw (-ASY-FT), and Asymmetric Wide (-ASY-W) distributions.

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)

1000lm (20W), 1400lm (27W), 2200lm (42W), 2600lm (50W)

Color Temperature

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

Amber: 590nm (Turtle Safe)



Quick Ship Items

- BL2RZ-59B-Lxx-SYM-WUE-DUN-T27-C90
- BL2RZ-59B-Lxx-SYM-WUE-DUN-T30-C90
- BL2RZ-59B-Lxx-SYM-WUE-DUN-T35-C90
- BL2RZ-59B-Lxx-SYM-WUE-DUN-T40-C90
- BL2RZ-59B-Lxx-SYM-NUE-DUN-T27-C90
- BL2RZ-59B-Lxx-SYM-NUE-DUN-T30-C90
- BL2RZ-59B-Lxx-SYM-NUE-DUN-T35-C90
- BL2RZ-59B-Lxx-SYM-NUE-DUN-T40-C90
- BL2RZ-78B-Lxx-SYM-WUE-DUN-T27-C90
- BL2RZ-78B-Lxx-SYM-WUE-DUN-T30-C90
- BL2RZ-78B-Lxx-SYM-WUE-DUN-T35-C90
- BL2RZ-78B-Lxx-SYM-WUE-DUN-T40-C90
- BL2RZ-78B-Lxx-SYM-NUE-DUN-T27-C90
- BL2RZ-78B-Lxx-SYM-NUE-DUN-T30-C90
- BL2RZ-78B-Lxx-SYM-NUE-DUN-T35-C90
- BL2RZ-78B-Lxx-SYM-NUE-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:

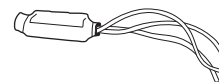
Standard driver: -30°C/-22°F
Cold Weather driver: -40°C/-40°F

Additional Options

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



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.



Frosted Lens (-FR): Diffuses pattern to reduce shadowing from vertical support arms.



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.

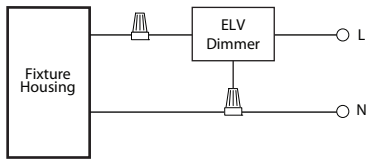
0-10V Driver 120V/277V (UE-D10):

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.

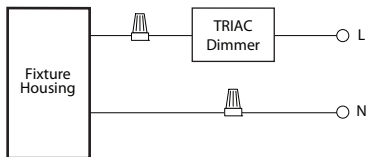
UniDim™ Driver 120V/277V (UE-DUN):

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.

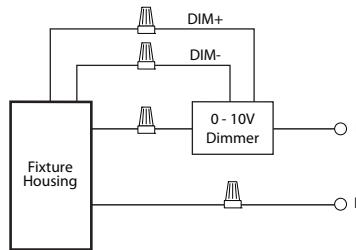
Incandescent/Phase Wiring
ELV



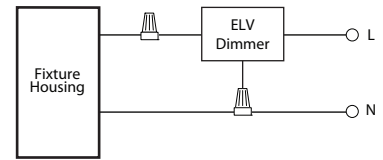
TRIAC



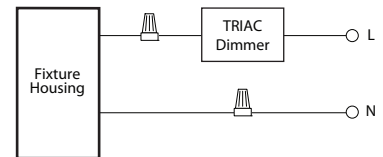
0 - 10V Wiring



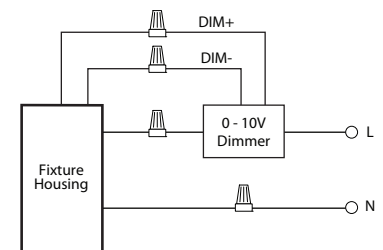
Incandescent/Phase Wiring
ELV



TRIAC



0 - 10V Wiring



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.

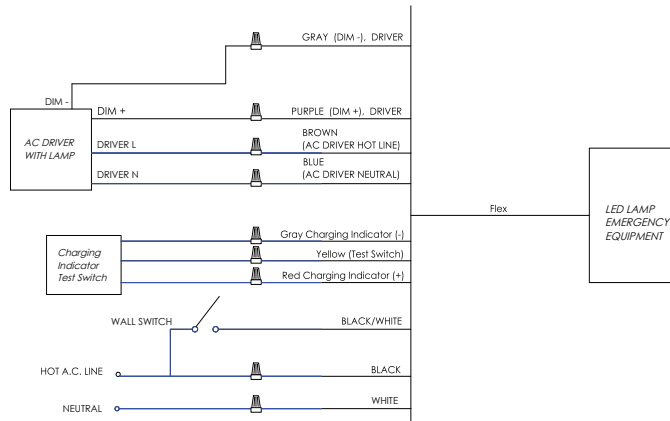
Level A Sound Rating.

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

Battery re-charge within 24 hours.

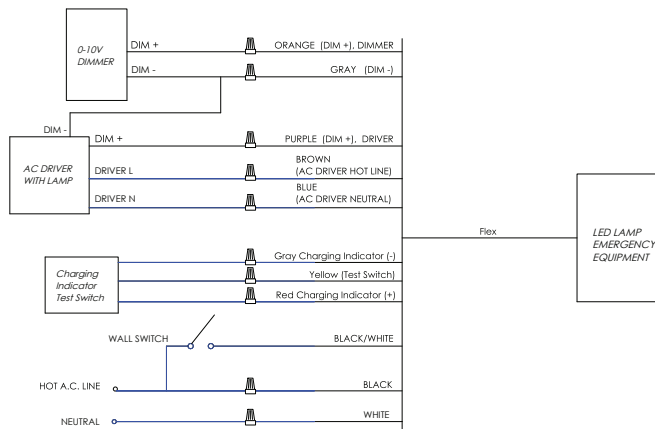
The battery is a maintenance-free, environmentally friendly Lithium Iron Phosphate with 50,000 hour life. A low voltage battery disconnect feature protects the battery from damage during prolonged power failures. Self-diagnostic feature monitors LED status, emergency LED driver circuit, battery capacity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

<40W LOAD



Input Voltage:	120-277VAC/60Hz
Output Voltage:	170VDC (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



BL2RZ : LUMENPOLE ROUND BOLLARD & COLUMN

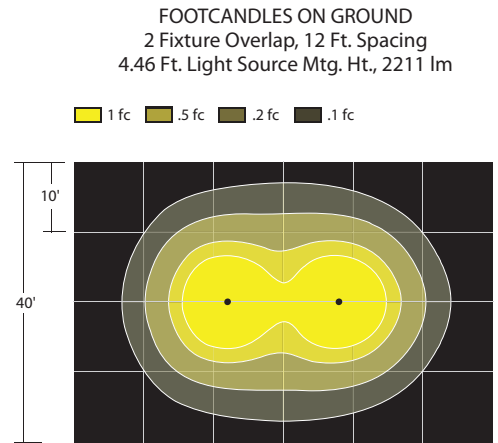
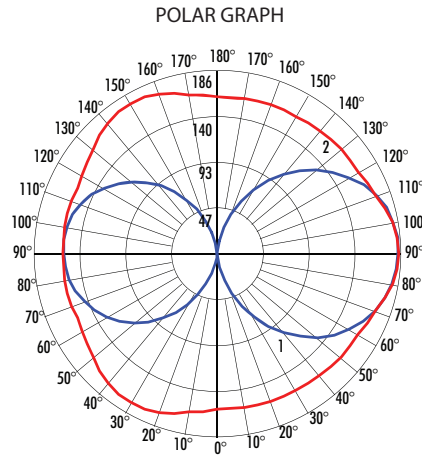
6" OPEN FRAME - 40", 59", 78", 98", AND 118" HEIGHT
1000LM-2600LM (20W-50W)

PHOTOMETRY

BL2RZ-59-B-L30-SYM-N-T30-C90 (59" Height, 2200lm*, 42W, Symmetric Narrow, 45°, 3000K)

System Power: 42.9W
Test Date: 09/2023
Beam Angle 50%: 21.0°
Field Angle 10%: 85.2°
Color Temperature: 3000K
CRI: 90
Lumens Delivered: 2211
CBCP: 3185
Power Factor: 0.9

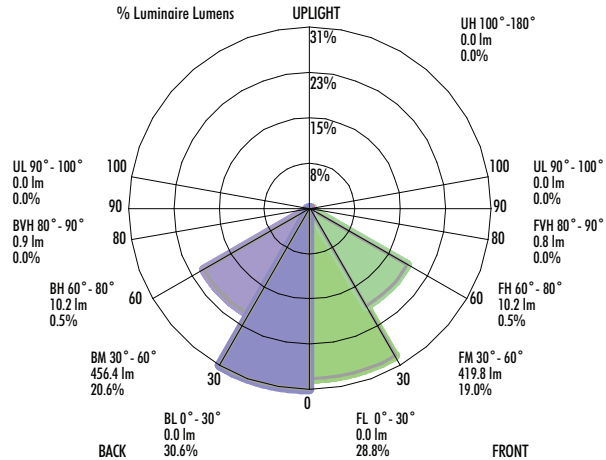
MULTIPLIERS	
LUMEN PACKAGE	
L18	0.45
L24	0.62
L30	1.00
L34	1.17
CCT	
2700K :	0.94
3000K :	1.00
3500K :	1.03
4000K :	1.07



LCS TABLE

BUG RATING	B2-U0-G0	
	Lumens	Lumens %
FRONT		
Low (0-30°)	0.0	28.8%
Medium (30°-60°)	419.8	19.0%
High (60°-80°)	10.2	0.5%
Very High (80°-90°)	0.8	0.0%
BACK		
Low (0-30°)	0.0	30.6%
Medium (30°-60°)	456.4	20.6%
High (60°-80°)	10.2	0.5%
Very High (80°-90°)	0.9	0.0%
UPLIGHT		
Low (90°-100°)	0.0	0.0%
High (100°-180°)	0.0	0.0%

LCS GRAPH



*Lumens delivered

BL2RZ : LUMENPOLE ROUND BOLLARD & COLUMN

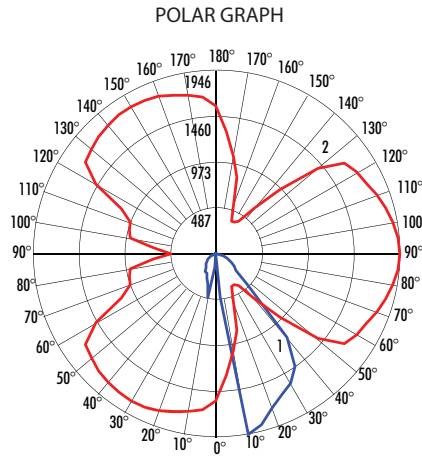
6" OPEN FRAME - 40", 59", 78", 98", AND 118" HEIGHT
1000LM-2600LM (20W-50W)

PHOTOMETRY (Continued)

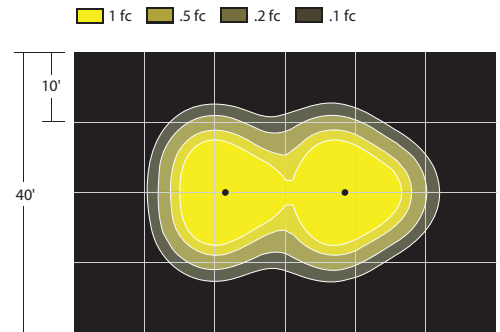
BL2RZ-59-B-L30-SYM-W-T30-C90 (59" Height, 2200lm*, 42W, Symmetric Wide, 75°, 3000K)

System Power: 42.9W
Test Date: 09/2023
Beam Angle 50%: 20.8°
Field Angle 10%: 99.8°
Color Temperature: 3000K
CRI: 90
Lumens Delivered: 2187
CBCP: 1932
Power Factor: 0.9

MULTIPLIERS	
LUMEN PACKAGE	
L18	0.45
L24	0.62
L30	1.00
L34	1.17
CCT	
2700K :	0.94
3000K :	1.00
3500K :	1.03
4000K :	1.07



FOOTCANDLES ON GROUND
2 Fixture Overlap, 17 Ft. Spacing
4.46 Ft. Light Source Mtg. Ht., 2187 lm

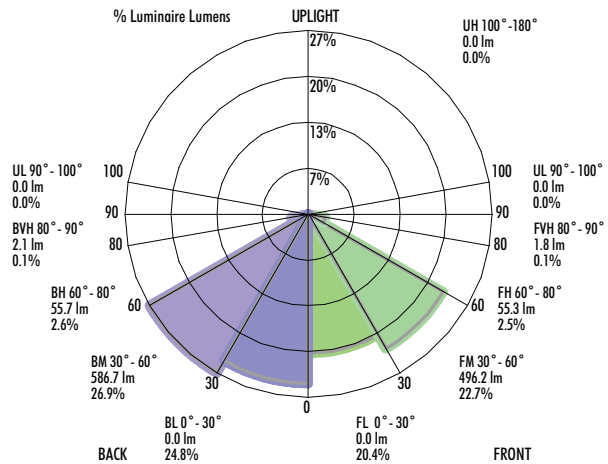


Maximum Candela = 1946 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

LCS TABLE

BUG RATING	B2-U0-G0	
	Lumens	Lumens %
FRONT		
Low (0-30°)	0.0	20.4%
Medium (30°-60°)	496.2	22.7%
High (60°-80°)	55.3	2.5%
Very High (80°-90°)	1.8	0.1%
BACK		
Low (0-30°)	0.0	24.8%
Medium (30°-60°)	586.7	26.9%
High (60°-80°)	55.7	2.6%
Very High (80°-90°)	1.7	0.1%
UPLIGHT		
Low (90°-100°)	0.0	0.0%
High (100°-180°)	0.0	0.0%

LCS GRAPH



*Lumens delivered

BL2RZ : LUMENPOLE ROUND BOLLARD & COLUMN

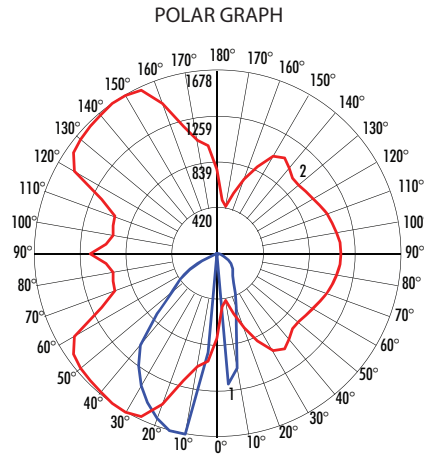
6" OPEN FRAME - 40", 59", 78", 98", AND 118" HEIGHT
1000LM-2600LM (20W-50W)

PHOTOMETRY (Continued)

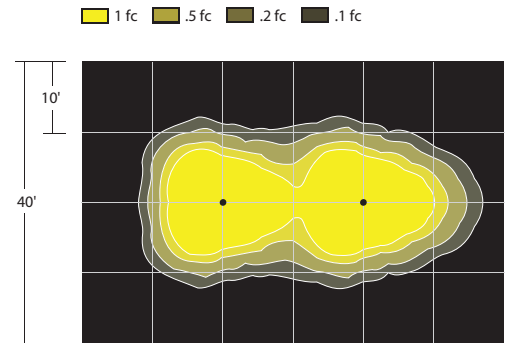
BL2RZ-59-B-L30-ASY-FT-T30-C90 (59" Height, 2200lm*, 42W, Asymmetric Forward Throw, 3000K)

System Power: 42.9W
Test Date: 09/2023
Beam Angle 50%: 64.6°
Field Angle 10%: 108.5°
Color Temperature: 3000K
CRI: 90
Lumens Delivered: 2030
CBCP: 1673
Power Factor: 0.9

MULTIPLIERS	
LUMEN PACKAGE	
L18	0.45
L24	0.62
L30	1.00
L34	1.17
CCT	
2700K :	0.94
3000K :	1.00
3500K :	1.03
4000K :	1.07



FOOTCANDLES ON GROUND
2 Fixture Overlap, 20 Ft. Spacing
4.46 Ft. Light Source Mtg. Ht., 2030 lm

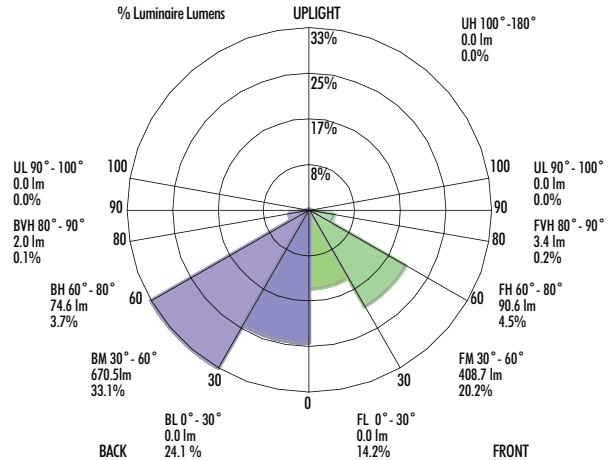


Maximum Candela = 1678 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (125 - 305) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

LCS TABLE

BUG RATING	B1-U0-G0	
	Lumens	Lumens %
FRONT		
Low (0-30°)	0.0	14.2%
Medium (30°-60°)	408.7	20.2%
High (60°-80°)	90.6	4.5%
Very High (80°-90°)	3.4	0.2%
BACK		
Low (0-30°)	0.0	24.1%
Medium (30°-60°)	670.5	33.1%
High (60°-80°)	74.6	3.7%
Very High (80°-90°)	2.0	0.1%
UPLIGHT		
Low (90°-100°)	0.0	0.0%
High (100°-180°)	0.0	0.0%

LCS GRAPH



*Lumens delivered

BL2RZ : LUMENPOLE ROUND BOLLARD & COLUMN

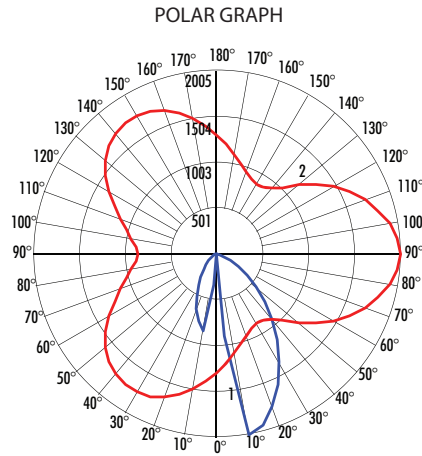
6" OPEN FRAME - 40", 59", 78", 98", AND 118" HEIGHT
1000LM-2600LM (20W-50W)

PHOTOMETRY (Continued)

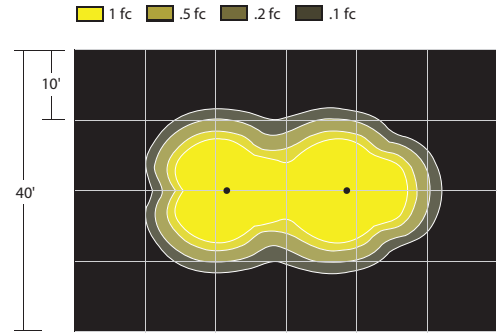
BL2RZ-59-B-L30-ASY-W-T30-C90 (59" Height, 2200lm*, 42W, Asymmetric Wide, 3000K)

System Power: 42.9W
Test Date: 09/2023
Beam Angle 50%: 19.9°
Field Angle 10%: 102.5°
Color Temperature: 3000K
CRI: 90
Lumens Delivered: 1928
CBCP: 1992
Power Factor: 0.9

MULTIPLIERS	
LUMEN PACKAGE	
L18	0.45
L24	0.62
L30	1.00
L34	1.17
CCT	
2700K :	0.94
3000K :	1.00
3500K :	1.03
4000K :	1.07



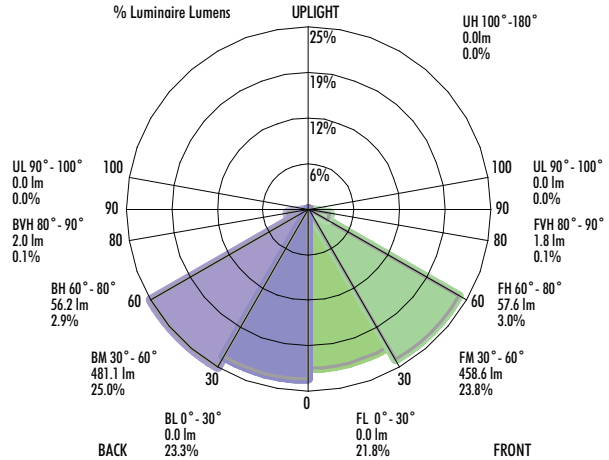
FOOTCANDLES ON GROUND
2 Fixture Overlap, 17 Ft. Spacing
4.46 Ft. Light Source Mtg. Ht., 1928 lm



LCS TABLE

BUG RATING	B1-U0-G0	
	Lumens	Lumens %
FRONT		
Low (0-30°)	0.0	21.8%
Medium (30°-60°)	458.6	23.8%
High (60°-80°)	57.6	3.0%
Very High (80°-90°)	1.8	0.1%
BACK		
Low (0-30°)	0.0	23.3%
Medium (30°-60°)	481.1	25.0%
High (60°-80°)	56.2	2.9%
Very High (80°-90°)	2.0	0.1%
UPLIGHT		
Low (90°-100°)	0.0	0.0%
High (100°-180°)	0.0	0.0%

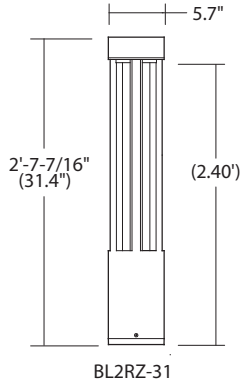
LCS GRAPH



*Lumens delivered

BL2RZ-31: LUMENPOLE ROUND BOLLARD

6" OPEN FRAME - 31" HEIGHT
 500LM - 1200LM (8W - 18W)



- Up to 18W, 1200lm delivered
- Dark Sky Compliant
- U.S. Assembled
- Tamper Resistant Hardware
- IK08 Impact Rating
- Optional Photocell Sensor
- Quick Ship Options Available
- 90 CRI Standard, 80 CRI on 5000K

ORDERING : BL2RZ-31B-L14-SYM-WUE-D10-T27-C90-UE-SDL

BL2RZ-31

Fixture	Finish	Lumens	Optic	Driver	LED	Options
31" Bollard	BL2RZ-31	500lm (8W)	-L05²	Non Dimming (120V)	-Blank	None
		600lm (10W)	-L07	ELV and TRIAC Dimming (120V)	-DIN	Photocell Sensor (120V/277V)
		800lm (14W)	-L10	0-10V Dimming (120V/277V)	UE-D10	Surge Protector (120V/277V)
		1200lm (18W)	-L14	UniDim™ (120V/277V)	UE-DUN	Cold Weather
			Optic	347V	-347	-CW³
			Symmetric - Wide (120°)	DALI Dimming	-DLI¹	
				LED		
				2700K (90 CRI)	-T27-C90	
				3000K (90 CRI)	-T30-C90	
				3500K (90 CRI)	-T35-C90	
				4000K (90 CRI)	-T40-C90	
				5000K (80 CRI)	-T50	

¹ Special Order. Minimum order quantity, extended lead time, and setup fee may apply. Consult factory.
² Not rated for cold weather applications. Minimum fixture outdoor temperature 0°C (32°F).
³ Starting Temperature -40°C/-40°F. Only available for (-L14).

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.

2024.02.27

BL2RZ-31: LUMENPOLE ROUND BOLLARD

6" OPEN FRAME - 31" HEIGHT
500LM - 1200LM (8W - 18W)

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.

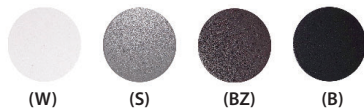
Housing & Arms

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.

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.

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.

BL2RZ-31: LUMENPOLE ROUND BOLLARD

6" OPEN FRAME - 31" HEIGHT
500LM - 1200LM (8W - 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.

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), 800lm (14W), 1200lm (18W)

Color Temperature

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



Quick Ship Items

- BL2RZ-31B-Lxx-SYM-WUE-DUN-T27-C90
- BL2RZ-31B-Lxx-SYM-WUE-DUN-T30-C90
- BL2RZ-31B-Lxx-SYM-WUE-DUN-T35-C90
- BL2RZ-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:

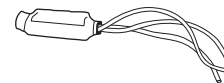
- Standard driver: -30°C/-22°F
- Cold Weather driver: -40°C/-40°F

Additional Options

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



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.

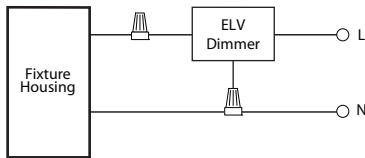
0-10V Driver 120V/277V (UE-D10):

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.

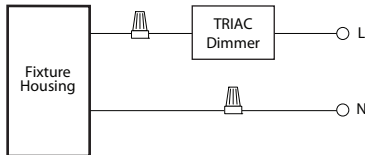
UniDim™ Driver 120V/277V (UE-DUN):

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.

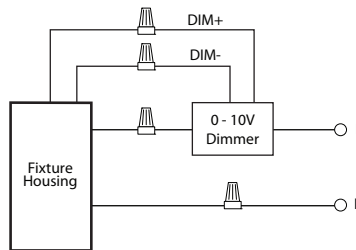
Incandescent/Phase Wiring
ELV



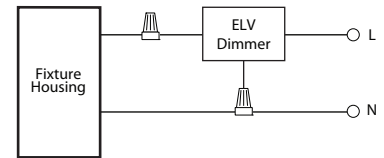
TRIAC



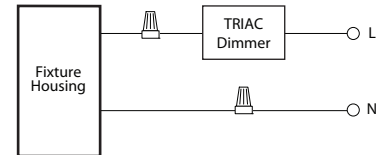
0 - 10V Wiring



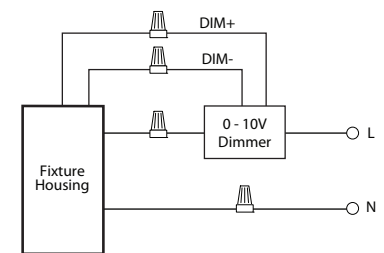
Incandescent/Phase Wiring
ELV



TRIAC



0 - 10V Wiring



BL2RZ-31: LUMENPOLE ROUND BOLLARD

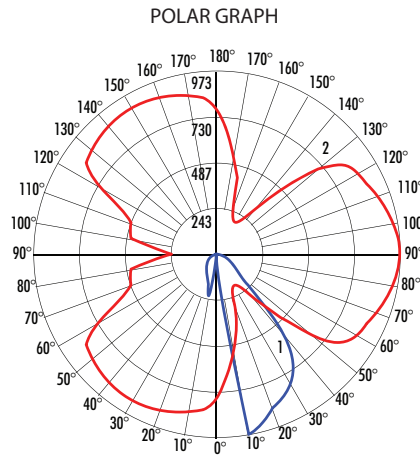
6" OPEN FRAME - 31" HEIGHT
500LM - 1200LM (8W - 18W)

PHOTOMETRY

BL2RZ-31B-L14-SYM-W-T30-C90 (31" Height, 1200lm*, 18W, Asymmetric Wide, 3000K)

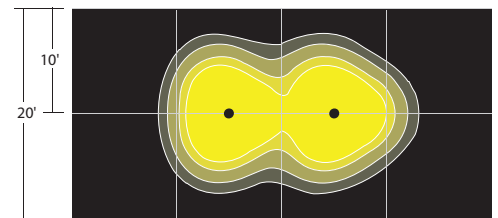
System Power: 42.9 W
Test Date: 09/2023
Beam Angle 50%: 20.8°
Field Angle 10%: 99.8°
Color Temperature: 3000K
CRI: 90
Lumens Delivered: 1093.5
CBCP: 910.4
Power Factor: 0.9

MULTIPLIERS	
HEIGHT	
-L05	0.42
-L07	0.50
-L10	0.75
-L14	1.00
CCT	
2700K :	0.94
3000K :	1.00
3500K :	1.03
4000K :	1.07



FOOTCANDLES ON GROUND
2 Fixture Overlap, 10 Ft. Spacing
2.4 Ft. Light Source Mtg. Ht., 1093 lm

1 fc 0.5 fc 0.2 fc 0.1 fc

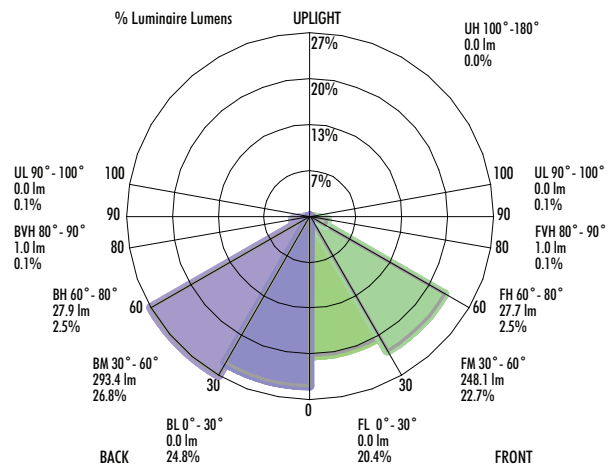


Maximum Candela = 923 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

LCS TABLE

BUG RATING	B1-U1-G0	
	Lumens	Lumens %
FRONT		
Low (0-30°)	0.0	20.6%
Medium (30°-60°)	321.9	25.8%
High (60°-80°)	41.2	3.3%
Very High (80°-90°)	1.9	0.2%
BACK		
Low (0-30°)	0.0	20.8%
Medium (30°-60°)	323.4	25.9%
High (60°-80°)	40.3	3.2%
Very High (80°-90°)	1.7	0.1%
UPLIGHT		
Low (90°-100°)	0.0	0.1%
High (100°-180°)	0.0	0.0%

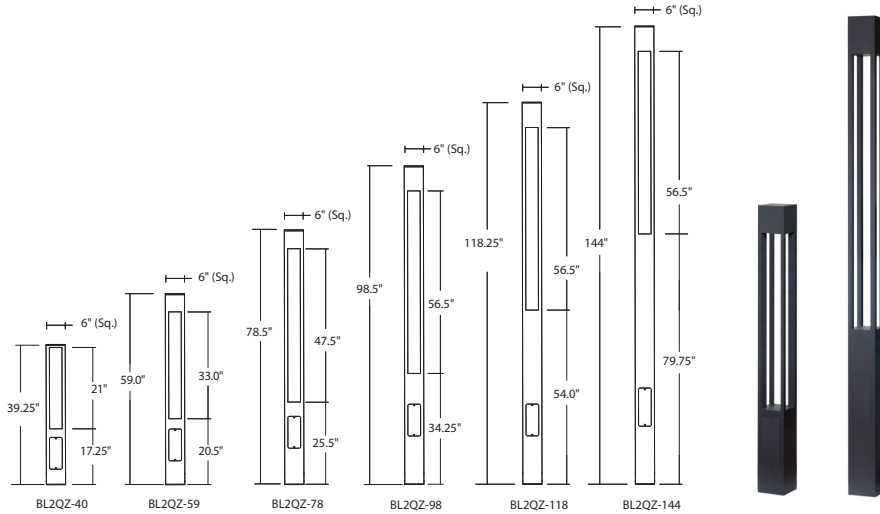
LCS GRAPH



*Lumens delivered

BL2QZ : LUMENPOLE SQUARE BOLLARD & COLUMN

6" OPEN FRAME - 40", 59", 78", 98", 118" AND 144" HEIGHT
1100LM-3000LM (20W-50W)



- Up to 50W, 3000lm delivered
- Dark Sky Compliant
- U.S. Assembled
- Tamper Resistant Hardware
- IK08 Impact Rating
- Integral Emergency Option
- Optional Photocell Sensor
- Quick Ship Options Available
- 90 CRI Standard, 80 CRI on 5000K

ORDERING : BL2QZ-59B-L30-SYM-WUE-D10-T30-C90-SRG

BL2QZ

Fixture Height Finish Lumens Optic Driver LED Options

Height		Lumens		Driver		Options	
40" Bollard	-40¹	1100lm (20W)	-L18	Non-Dimming (120V)	Blank	None	Blank
59" Light Column	-59	1600lm (27W)	-L24	ELV and TRIAC Dimming (120V)	-DIN	Photocell Sensor (120V/277V)	-UE-SDL⁵
78" Light Column	-78	2500lm (42W)	-L30	0-10V Dimming (120V/277V)	UE-D10	Surge Protector	-SRG⁵
98" Light Column	-98	3000lm (50W)	-L34^{2,4}	UniDim™ (120V/277V)	UE-DUN	Integral Emergency Battery	-EMAC⁵
118" Light Column	-118¹			347V	-347	Frosted Lens	-FR
144" Light Column	-144¹			DALI Dimming	-DLI¹	Cold Weather	-CW^{3,4}
Finish		Optic		LED			
Black	B	Symmetric Narrow (45°)	-SYM-N	2700K (90CRI)	-T27-C90		
White	W¹	Symmetric Wide (75°)	-SYM-W	3000K (90CRI)	-T30-C90		
Silver	S¹	Asymmetric Forward Throw	-ASY-FT	3500K (90 CRI)	-T35-C90		
Bronze	BZ¹	Asymmetric Wide	-ASY-W	4000K (90 CRI)	-T40-C90		
				5000K (80 CRI)	-T50		
				590nm Amber (Turtle Safe)	-TAM-LVR⁶		

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

² For BL2QZ-98, BL2QZ-118, and BL2QZ-144 only.

³ Starting Temperature -40°C/-40°F.

⁴ (-L34) and (-CW) only compatible for (-347) driver.

⁵ Not rated for cold weather. Minimum fixture outdoor temperature 0°C/32°F.

⁶ -TAM-LVR option only available with Lumens -L18 and -L24

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.

BL2QZ : LUMENPOLE SQUARE BOLLARD & COLUMN

6" OPEN FRAME - 40", 59", 78", 98", AND 118" HEIGHT
1100LM-3000LM (20W-50W)

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.

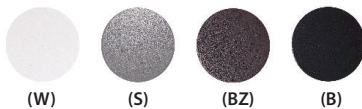
Housing & Arms

Housing and Arms are constructed from square and rectilinear shaped highgrade robust aluminum extrusions. 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 and stainless steel U mounting plate (59" - 118" H) installs onto supplied stainless steel anchor bolts and secures into the housing with countersunk, Phillips head, stainless steel screws.

Mounting

The 5.7" square mounting plate with U-bracket installs supplied stainless steel anchorbolts (or other hardware) on a solid substrate. For specific mounting options see installationinstructions.

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.

Certification and Listings



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.

BL2QZ : LUMENPOLE SQUARE BOLLARD & COLUMN

6" OPEN FRAME - 40", 59", 78", 98", AND 118" HEIGHT
1100LM-3000LM (20W-50W)

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

Multifaceted aluminum coated reflectors produce Symmetric Narrow (-SYM-N) 45°, Symmetric Wide (-SY-W) 75°, Asymmetric Forward Throw (-ASY-FT), and Asymmetric Wide (-ASY-W) distributions.

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)

1100lm (20W), 1600lm (27W), 2500lm (42W), 3000lm (50W)

Color Temperature

COLOR TEMP:	2700K	3000K	3500K	4000K	5000K
CRI:	90	90	90	90	80
Amber:	590nm (Turtle Safe)				



Quick Ship Items

- BL2QZ-59B-Lxx-SYM-WUE-DUN-T27-C90
- BL2QZ-59B-Lxx-SYM-WUE-DUN-T30-C90
- BL2QZ-59B-Lxx-SYM-WUE-DUN-T35-C90
- BL2QZ-59B-Lxx-SYM-WUE-DUN-T40-C90
- BL2QZ-59B-Lxx-SYM-NUE-DUN-T27-C90
- BL2QZ-59B-Lxx-SYM-NUE-DUN-T30-C90
- BL2QZ-59B-Lxx-SYM-NUE-DUN-T35-C90
- BL2QZ-59B-Lxx-SYM-NUE-DUN-T40-C90
- BL2QZ-78B-Lxx-SYM-WUE-DUN-T27-C90
- BL2QZ-78B-Lxx-SYM-WUE-DUN-T30-C90
- BL2QZ-78B-Lxx-SYM-WUE-DUN-T35-C90
- BL2QZ-78B-Lxx-SYM-WUE-DUN-T40-C90
- BL2QZ-78B-Lxx-SYM-NUE-DUN-T27-C90
- BL2QZ-78B-Lxx-SYM-NUE-DUN-T30-C90
- BL2QZ-78B-Lxx-SYM-NUE-DUN-T35-C90
- BL2QZ-78B-Lxx-SYM-NUE-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:

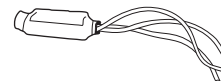
Standard driver: -30°C/-22°F
Cold Weather driver: -40°C/-40°F

Additional Options

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



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.



Frosted Lens (-FR): Diffuses pattern to reduce shadowing from vertical support arms.



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.

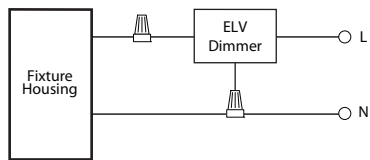
0-10V Driver 120V/277V (UE-D10):

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.

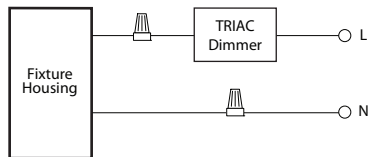
UniDim™ Driver 120V/277V (UE-DUN):

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.

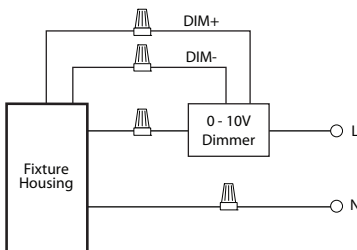
Incandescent/Phase Wiring
ELV



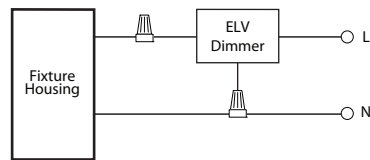
TRIAC



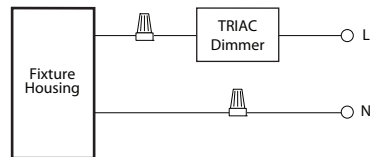
0 - 10V Wiring



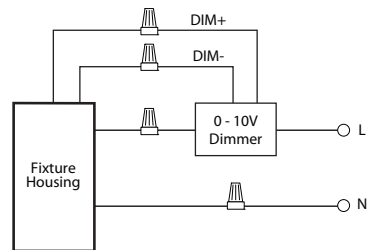
Incandescent/Phase Wiring
ELV



TRIAC



0 - 10V Wiring



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.

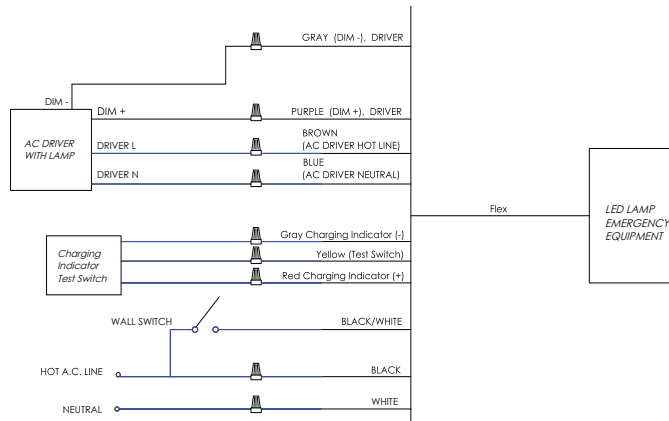
Level A Sound Rating.

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

Battery re-charge within 24 hours.

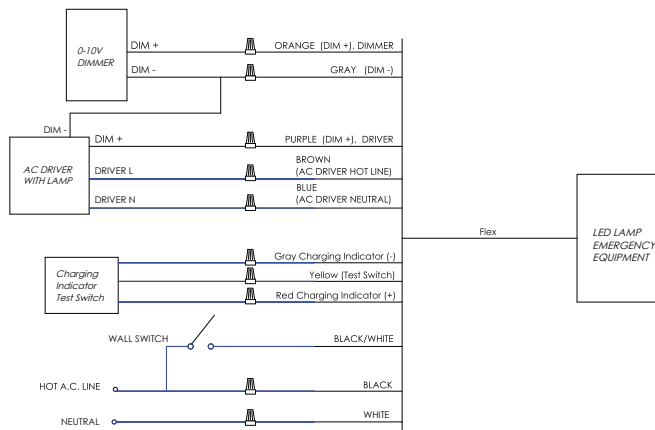
The battery is a maintenance-free, environmentally friendly Lithium Iron Phosphate with 50,000 hour life. A low voltage battery disconnect feature protects the battery from damage during prolonged power failures. Self-diagnostic feature monitors LED status, emergency LED driver circuit, battery capacity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

<40W LOAD



Input Voltage:	120-277VAC/60Hz
Output Voltage:	170VDC (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



BL2QZ : LUMENPOLE SQUARE BOLLARD & COLUMN

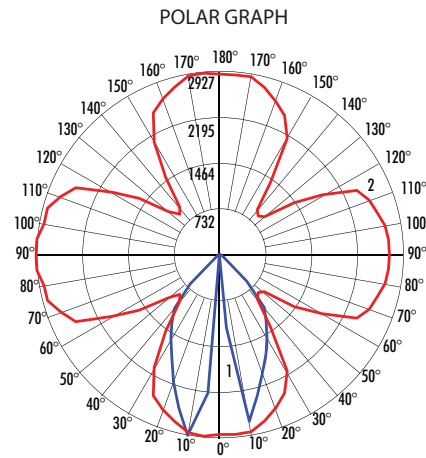
6" OPEN FRAME - 40", 59", 78", 98", AND 118" HEIGHT
1100LM-3000LM (20W-50W)

PHOTOMETRY

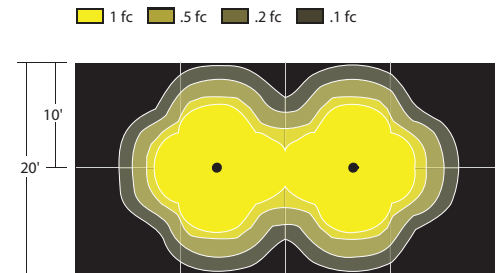
BL2QZ-59-B-L30-SYM-N-T30-C90 (59" Height, 2500lm*, 42W, Symmetric Narrow, 45°, 3000K)

System Power: 43.1W
Test Date: 09/2023
Beam Angle 50%: 62.8°
Field Angle 10%: 95.8°
Color Temperature: 3000K
CRI: 90
Lumens Delivered: 2436
CBCP: 2847
Power Factor: 0.9

MULTIPLIERS	
LUMEN PACKAGE	
L18	0.45
L24	0.62
L30	1.00
L34	1.16
CCT	
2700K :	0.94
3000K :	1.00
3500K :	1.03
4000K :	1.07



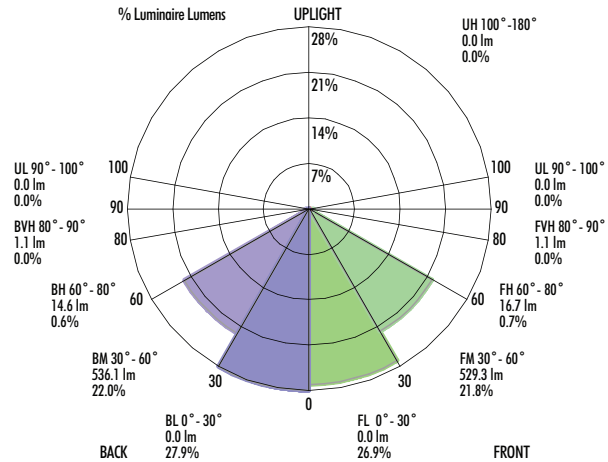
FOOTCANDLES ON GROUND
2 Fixture Overlap, 13 Ft. Spacing
4.45 Ft. Light Source Mtg. Ht., 2436 lm



LCS TABLE

BUG RATING	B2-U0-G0	
	Lumens	Lumens %
FRONT		
Low (0-30°)	0.0	26.9%
Medium (30°-60°)	529.3	21.8%
High (60°-80°)	16.7	0.7%
Very High (80°-90°)	1.1	0.0%
BACK		
Low (0-30°)	0.0	27.9%
Medium (30°-60°)	536.1	22.0%
High (60°-80°)	14.6	0.6%
Very High (80°-90°)	1.1	0.0%
UPLIGHT		
Low (90°-100°)	0.0	0.0%
High (100°-180°)	0.0	0.0%

LCS GRAPH



*Lumens delivered

BL2QZ : LUMENPOLE SQUARE BOLLARD & COLUMN

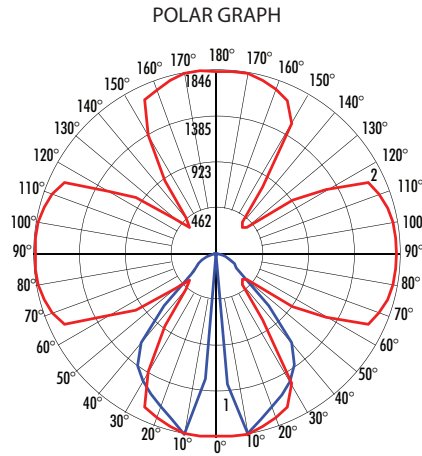
6" OPEN FRAME - 40", 59", 78", 98", AND 118" HEIGHT
1100LM-3000LM (20W-50W)

PHOTOMETRY (Continued)

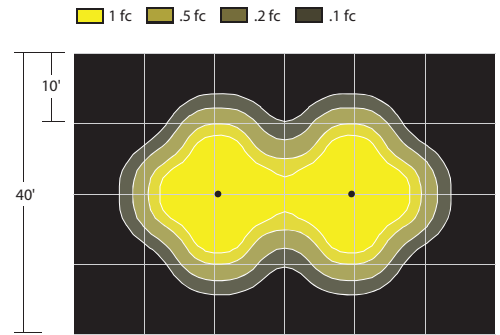
BL2QZ-59-B-L30-SYM-W-T30-C90 (59" Height, 2500lm*, 42W, Symmetric Wide, 75°, 3000K)

System Power: 42.9W
Test Date: 09/2023
Beam Angle 50%: 86.0°
Field Angle 10%: 123.8°
Color Temperature: 3000K
CRI: 90
Lumens Delivered: 2497
CBCP: 1821
Power Factor: 0.9

MULTIPLIERS	
LUMEN PACKAGE	
L18	0.45
L24	0.62
L30	1.00
L34	1.16
CCT	
2700K :	0.94
3000K :	1.00
3500K :	1.03
4000K :	1.07



FOOTCANDLES ON GROUND
2 Fixture Overlap, 19 Ft. Spacing
4.45 Ft. Light Source Mtg. Ht., 2497 lm

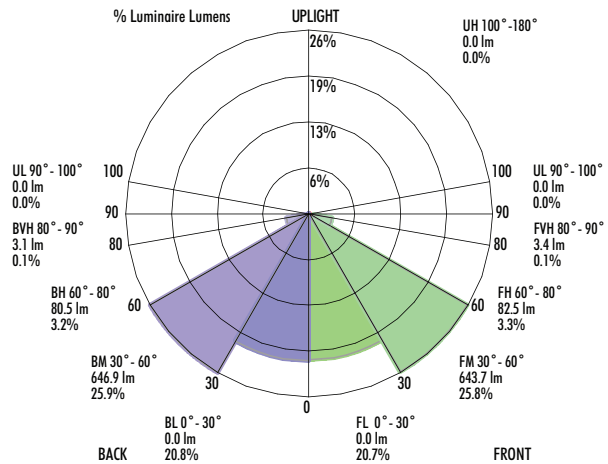


Maximum Candela = 1846 Located At Horizontal Angle = 95, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (95 - 275) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

LCS TABLE

BUG RATING	B2-U0-G0	
FRONT	Lumens	Lumens %
Low (0-30°)	0.0	20.7%
Medium (30°-60°)	643.7	25.8%
High (60°-80°)	82.5	3.3%
Very High (80°-90°)	3.4	0.1%
BACK		
Low (0-30°)	0.0	20.8%
Medium (30°-60°)	646.9	25.9%
High (60°-80°)	80.5	3.2%
Very High (80°-90°)	3.1	0.1%
UPLIGHT		
Low (90°-100°)	0.0	0.0%
High (100°-180°)	0.0	0.0%

LCS GRAPH



*Lumens delivered

BL2QZ : LUMENPOLE SQUARE BOLLARD & COLUMN

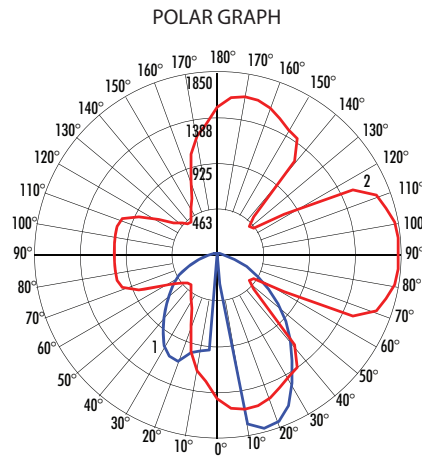
6" OPEN FRAME - 40", 59", 78", 98", AND 118" HEIGHT
1100LM-3000LM (20W-50W)

PHOTOMETRY (Continued)

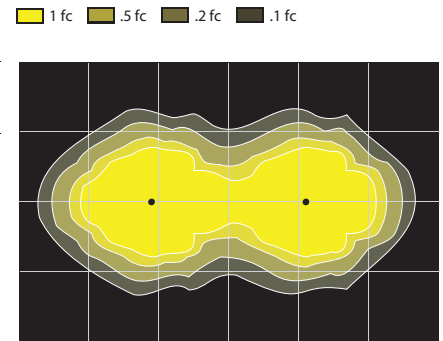
BL2QZ-59-B-L30-ASY-FT-T30-C90 (59" Height, 2500lm*, 42W, Asymmetric Forward Throw, 3000K)

System Power: 43.1W
Test Date: 09/2023
Beam Angle 50%: 75.2°
Field Angle 10%: 114.2°
Color Temperature: 3000K
CRI: 90
Lumens Delivered: 2333
CBCP: 1849
Power Factor: 0.9

MULTIPLIERS	
LUMEN PACKAGE	
L18	0.45
L24	0.62
L30	1.00
L34	1.16
CCT	
2700K :	0.94
3000K :	1.00
3500K :	1.03
4000K :	1.07



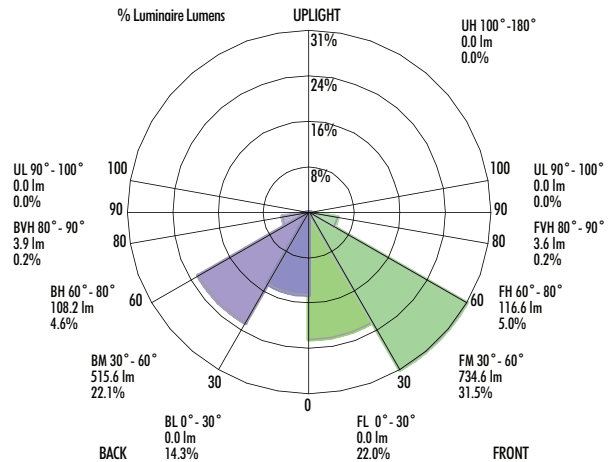
FOOTCANDLES ON GROUND
2 Fixture Overlap, 22 Ft. Spacing
, 4.45 Ft. Light Source Mtg. Ht., 2333lm



LCS TABLE

BUG RATING	B1-U0-G0	
	Lumens	Lumens %
FRONT		
Low (0-30°)	0.0	22.0%
Medium (30°-60°)	734.6	31.5%
High (60°-80°)	116.6	5.0%
Very High (80°-90°)	3.6	0.2%
BACK		
Low (0-30°)	0.0	14.3%
Medium (30°-60°)	515.6	22.1%
High (60°-80°)	108.2	4.6%
Very High (80°-90°)	3.9	0.2%
UPLIGHT		
Low (90°-100°)	0.0	0.0%
High (100°-180°)	0.0	0.0%

LCS GRAPH



*Lumens delivered

BL2QZ : LUMENPOLE SQUARE BOLLARD & COLUMN

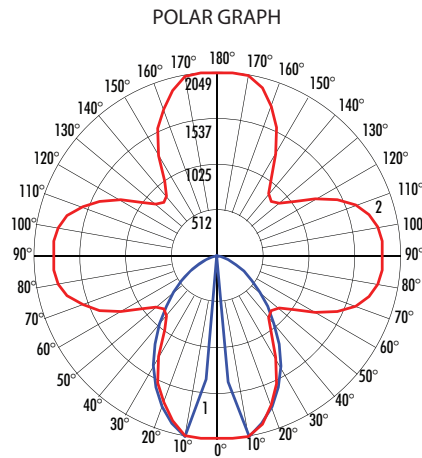
6" OPEN FRAME - 40", 59", 78", 98", AND 118" HEIGHT
1100LM-3000LM (20W-50W)

PHOTOMETRY (Continued)

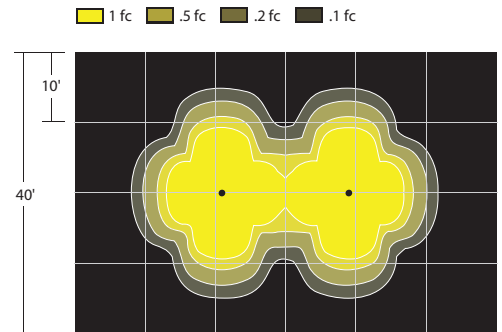
BL2QZ-59-B-L30-ASY-W-T30-C90 (59" Height, 2500lm*, 42W, Asymmetric Wide, 3000K)

System Power: 43.0W
Test Date: 09/2023
Beam Angle 50%: 79.3°
Field Angle 10%: 133.3°
Color Temperature: 3000K
CRI: 90
Lumens Delivered: 2201
CBCP: 2025
Power Factor: 0.9

MULTIPLIERS	
LUMEN PACKAGE	
L18	0.45
L24	0.62
L30	1.00
L34	1.16
CCT	
2700K :	0.94
3000K :	1.00
3500K :	1.03
4000K :	1.07



FOOTCANDLES ON GROUND
2 Fixture Overlap, 18 Ft. Spacing
4.45 Ft. Light Source Mtg. Ht., 2201 lm

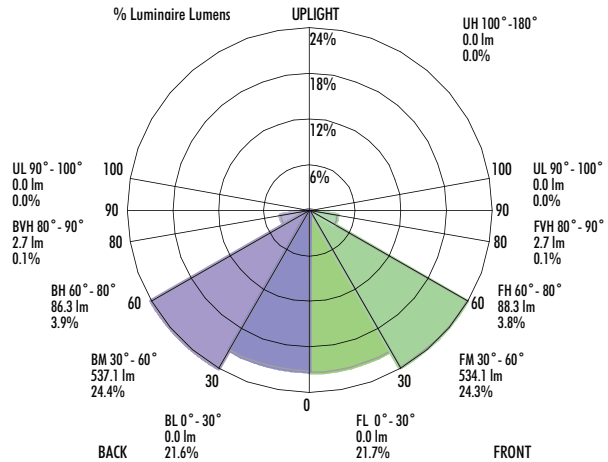


Maximum Candela = 2049 Located At Horizontal Angle = 95, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (95 - 275) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

LCS TABLE

BUG RATING	B1-U0-G0	
	Lumens	Lumens %
FRONT		
Low (0-30°)	0.0	21.7%
Medium (30°-60°)	534.1	24.3%
High (60°-80°)	83.3	3.8%
Very High (80°-90°)	2.7	0.1%
BACK		
Low (0-30°)	0.0	21.6%
Medium (30°-60°)	537.1	24.4%
High (60°-80°)	86.3	3.9%
Very High (80°-90°)	2.7	0.1%
UPLIGHT		
Low (90°-100°)	0.0	0.0%
High (100°-180°)	0.0	0.0%

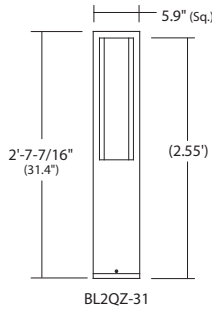
LCS GRAPH



*Lumens delivered

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
31" Bollard	BL2QZ-31	700lm (8W)		-L05³	Non Dimming (120V)	Blank	None
		800lm (10W)		-L08	ELV and TRIAC Dimming (120V)	-DIN	Photocell Sensor (120V/277V)
		1200lm (14W)		-L10	0-10V Dimming (120V/277V)	UE-D10	Surge Protector
		1700lm (18W)		-L14	UniDim™ (120V/277V)	UE-DUN	GFCI Provision and In-Use Cover
					347V	-347	Cold Weather
			Optic		DALI Dimming	-DLI¹	
			Symmetric Wide (120°)				
					LED		Openings¹
					2700K (90 CRI)	-T27-C90	Open all 4 sides
					3000K (90 CRI)	-T30-C90	1 Side Closed
					3500K (90 CRI)	-T35-C90	2 Adjacent Sides Closed
					4000K (90 CRI)	-T40-C90	
					5000K (80 CRI)	-T50	2 Opposing Sides closed
							3 Sides Closed

¹ Special Order. Minimum order quantity, extended lead time, and setup fee may apply. Consult factory.

² For use with a 120V separate power input not connected to the luminaire power supply.

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

⁴ Starting Temperature -40°C/-40°F. Only available for (-L14).

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 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.

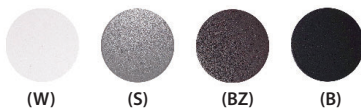
Mounting

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



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.

BL2QZ-31: LUMENPOLE SQUARE BOLLARD

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

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

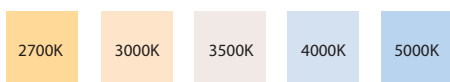
Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

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.

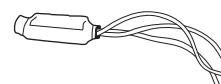


GFCI Outlet Provision W/In-Use Cover (-GFI): Factory installed GFCI provision and in-use cover in the luminaire.



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.

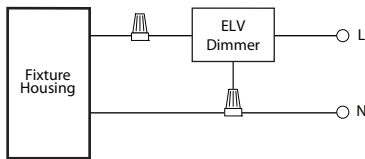
0-10V Driver 120V/277V (UE-D10):

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.

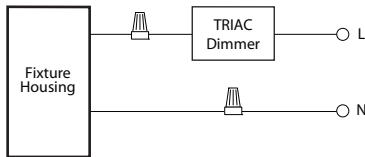
UniDim™ Driver 120V/277V (UE-DUN):

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.

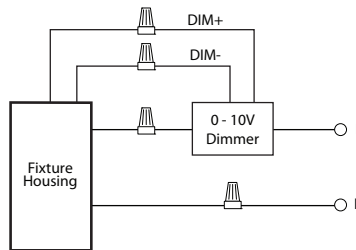
Incandescent/Phase Wiring
ELV



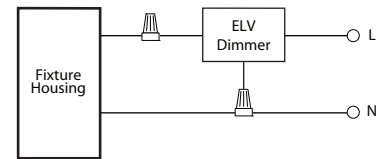
TRIAC



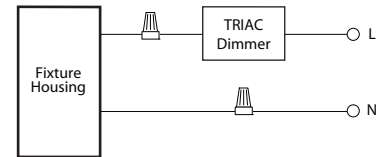
0 - 10V Wiring



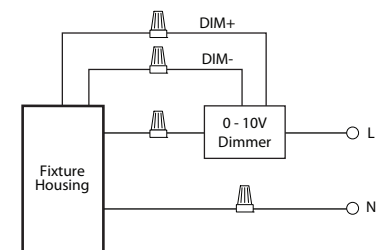
Incandescent/Phase Wiring
ELV



TRIAC



0 - 10V Wiring



BL2QZ-31: LUMENPOLE SQUARE BOLLARD

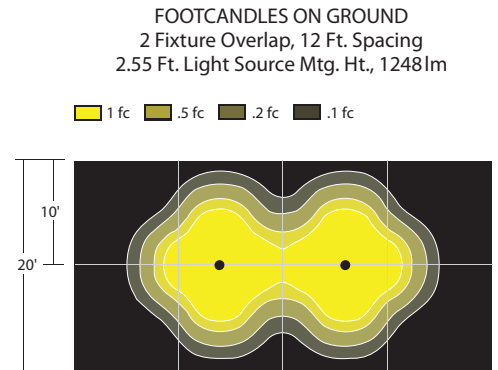
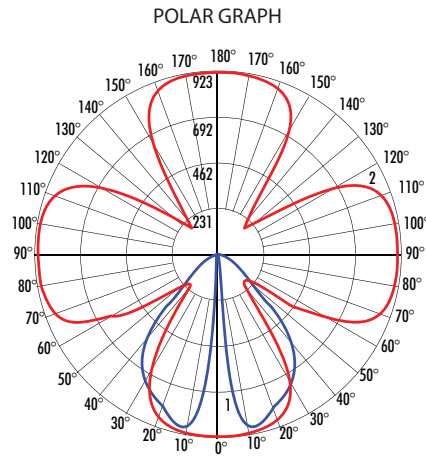
6" OPEN FRAME - 31" HEIGHT
500LM - 1300LM (8W - 18W)

PHOTOMETRY

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

System Power: 43.1 W
Test Date: 09/2023
Beam Angle 50%: 86.0°
Field Angle 10%: 123.9°
Color Temperature: 3000K
CRI: 90
Lumens Delivered: 1248.5
CBCP: 910.4
Power Factor: 0.9

MULTIPLIERS	
HEIGHT	
-L05	0.42
-L07	0.50
-L10	0.75
-L14	1.00
CCT	
2700K :	0.94
3000K :	1.00
3500K :	1.03
4000K :	1.07

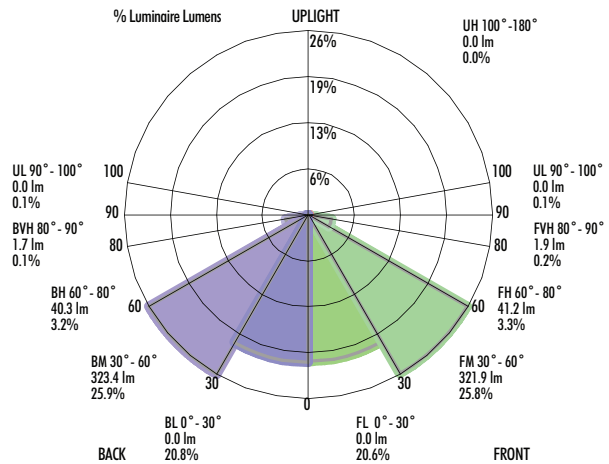


Maximum Candela = 923 Located At Horizontal Angle = 95, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (90 - 275) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

LCS TABLE

BUG RATING	B1-U1-G0	
	Lumens	Lumens %
FRONT		
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°)	1.0	0.1%
BACK		
Low (0-30°)	0.0	24.8%
Medium (30°-60°)	293.4	26.8%
High (60°-80°)	27.9	2.5%
Very High (80°-90°)	1.0	0.1%
UPLIGHT		
Low (90°-100°)	0.0	0.1%
High (100°-180°)	0.0	0.0%

LCS GRAPH



*Lumens delivered

2023.10.17

BL2QZ-31: LUMENPOLE SQUARE BOLLARD

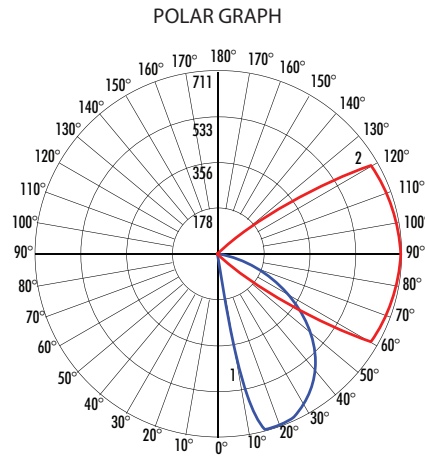
6" OPEN FRAME - 31" HEIGHT
500LM - 1300LM (8W - 18W)

PHOTOMETRY (Continued)

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

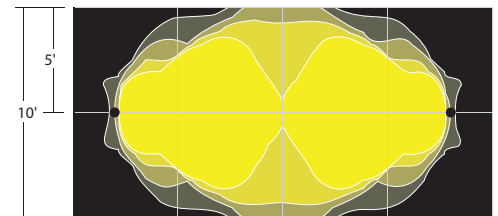
System Power: 21.2 W
Test Date: 09/2023
Beam Angle 50%: 27.4°
Field Angle 10%: 32.9°
Color Temperature: 3000K
CRI: 90
Lumens Delivered: 403.0
CBCP: 711
Power Factor: 0.9

MULTIPLIERS	
HEIGHT	
-L05	0.42
-L07	0.50
-L10	0.75
-L14	1.00
CCT	
2700K:	0.94
3000K:	1.00
3500K:	1.03
4000K:	1.07



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

1 fc .5 fc .2 fc .1 fc

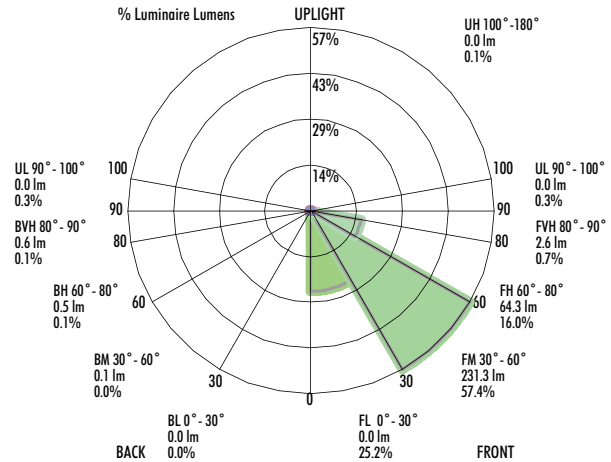


Maximum Candela = 711 Located At Horizontal Angle = 0, Vertical Angle = 20
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)

LCS TABLE

BUG RATING	B0-U1-G0	
	Lumens	Lumens %
FRONT		
Low (0-30°)	0.0	25.2%
Medium (30°-60°)	231.3	57.4%
High (60°-80°)	64.3	16.0%
Very High (80°-90°)	2.6	0.7%
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°)	0.6	0.1%
UPLIGHT		
Low (90°-100°)	0.0	0.3%
High (100°-180°)	0.3	0.1%

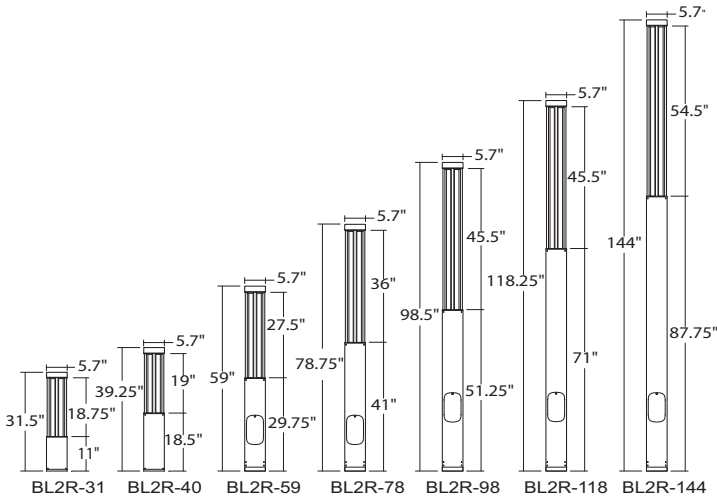
LCS GRAPH



*Lumens delivered

BL2R-RGBW: LUMENPOLE ROUND BOLLARD & COLUMN

6" FROSTED LENS RGBW - 31", 40", 59", 78", 98", 118" AND 144" HEIGHT
 650LM-1700LM (20W-53W)



- Up to 53W, 1700lm delivered
- U.S. Assembled
- Tamper Resistant Hardware
- IK08 Impact Rating
- Wireless Bluetooth and DMX 512 Options
- Optional Photocell Sensor
- Quick Ship Options Available

ORDERING : BL2R-RGBW-118B-RGBW-DMX

BL2R-RGBW³

Fixture	Height	Finish	Optic	Control
Height		Finish	Optic	Control
31" Bollard, 650lm (20W)	-31	Black	Symmetric	Wireless Bluetooth
40" Bollard, 800lm (30W)	-40	White	Wide (120°)	DMX 512 Remote
59" Light Column, 1000lm (33W)	-59	Silver		Mounted Decoder
78" Light Column, 1300lm (40W)	-78	Bronze		
98" Light Column, 1500lm (50W)	-98			
118" Light Column, 1700lm (53W)	-118¹			
144" Light Column, 1700lm (53W)	-144¹			

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

² Special Order Finish. Minimum order quantity (MOQ) applies. Orders less than MOQ are subject to a special paint set-up fee for the quantity ordered. Extended lead times may apply. Consult Factory.

³ Remote Power Supplies and Control Gear required. Available with Wireless Bluetooth Casambi or DMX 512 control. Consult Factory for Details.

Custom RAL Color: Please note that we appreciate custom finishes. Custom finishes are subject to a special paint setup fee for the quantity ordered. Extended lead times may apply. Consult Factory.

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.



BL2R-RGBW: LUMENPOLE ROUND BOLLARD & COLUMN

6" FROSTED LENS RGBW - 31", 40", 59", 78", 98", 118" AND 144" HEIGHT
650LM-1700LM (20W-53W)

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.

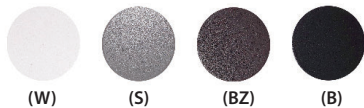
Housing, Arms, Enclosure Lens

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.

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.

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-RGBW: LUMENPOLE ROUND BOLLARD & COLUMN

6" FROSTED LENS RGBW - 31", 40", 59", 78", 98", 118" AND 144" HEIGHT
650LM-1700LM (20W-53W)

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

LED arrays are mounted on the inside of the vertical support arms providing an even level of illumination from the optical compartment. LEDs are 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.

RGBW



20W-53W 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 programming available.
Consult Factory for Layout Assistance and Lead Times.

BL2R-RGBW: LUMENPOLE ROUND BOLLARD & COLUMN

6" FROSTED LENS RGBW - 31", 40", 59", 78", 98", 118" AND 144" HEIGHT
650LM-1700LM (20W-53W)

SPECIFICATION (Continued)

RGB+W:



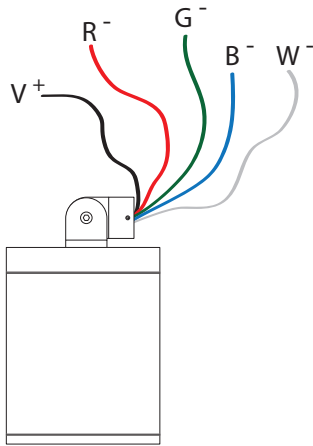
CASAMBI

15W RGBW LED Module illuminates surfaces up to 10 feet away. Used for applications desiring a dynamic color changing effect. RGB+W 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 CASAMBI Wireless Bluetooth control or DMX 512 remote mounted decoders.

On-site commissioning and programming available.

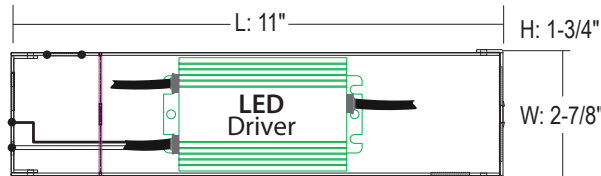
Consult Factory for Layout Assistance and Lead Times.

COLOR	CCT/WAVELENGTH	POWER
Red	640nm	3.1W
Green	520nm	3.1W
Blue	450nm	3.1W
White	2700K	3.1W

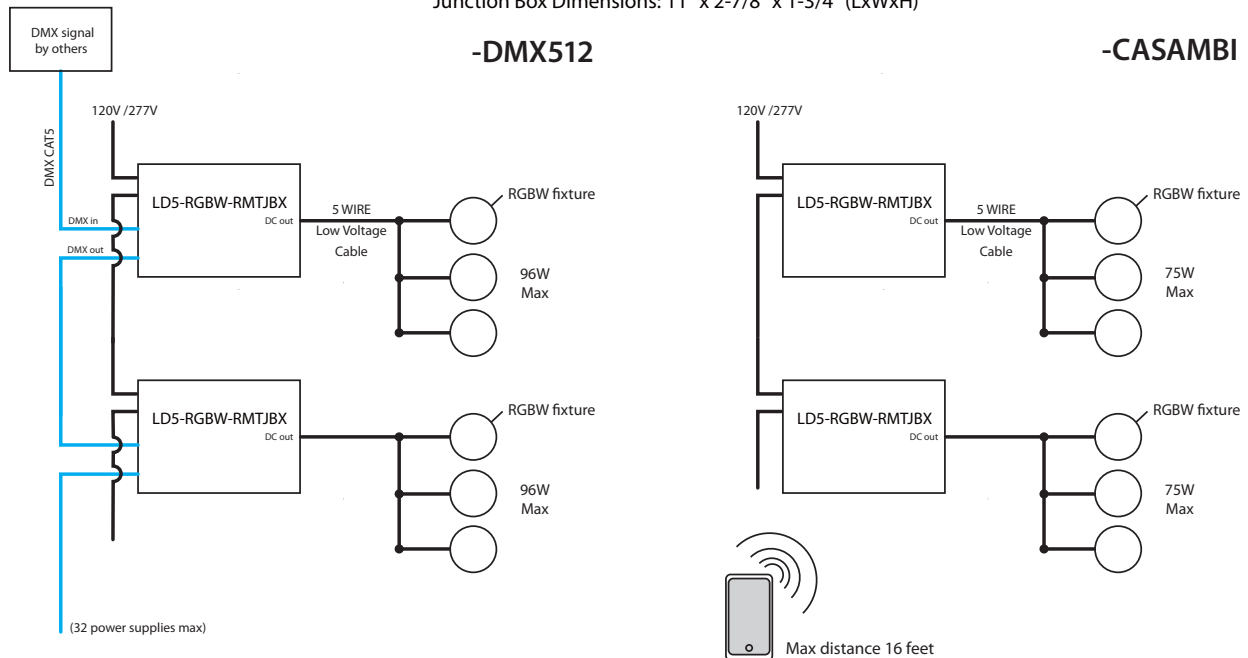


WIRED

Remote Power Supply	Controls	Wattage
LD5-RGBW-RMTJBX	Remote Mounted Decoder	-DMX512 15W -W15
	Wireless Bluetooth Control	-CASAMBI 30W -W30
		60W -W60
		96W -W96



Junction Box Dimensions: 11" x 2-7/8" x 1-3/4" (LxWxH)



NOTE: Power supply must be placed in dry locations only. 100 feet max for 5 wire low voltage cable 18AWG.

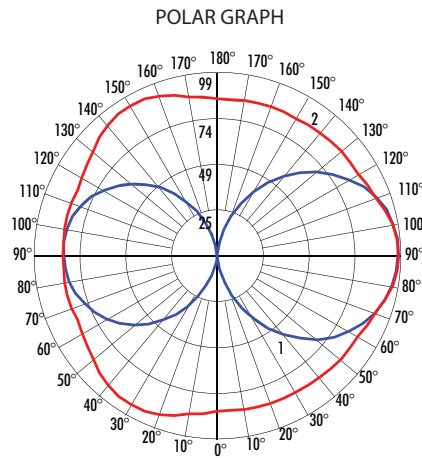
BL2R-RGBW: LUMENPOLE ROUND BOLLARD & COLUMN

6" FROSTED LENS RGBW - 31", 40", 59", 78", 98", 118" AND 144" HEIGHT
650LM-1700LM (20W-53W)

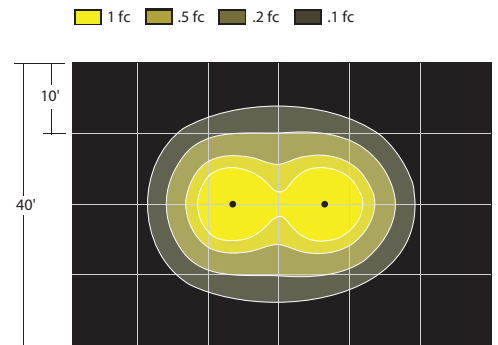
PHOTOMETRY

BL2R-RGBW-40B-SYM-W (40" Height, 831 lm*, 18W, Symmetric Wide, RGBW)

System Power: 17.3W
 Test Date: 10/2023
 Beam Angle 50%: 180.0°
 Field Angle 10%: 180.0°
 Lumens Delivered: 831
 CBCP: 98.1
 Power Factor: 0.9



FOOTCANDLES ON GROUND
2 Fixture Overlap, 13 Ft. Spacing
2.05 Ft. Optical. Ht., 831 lm

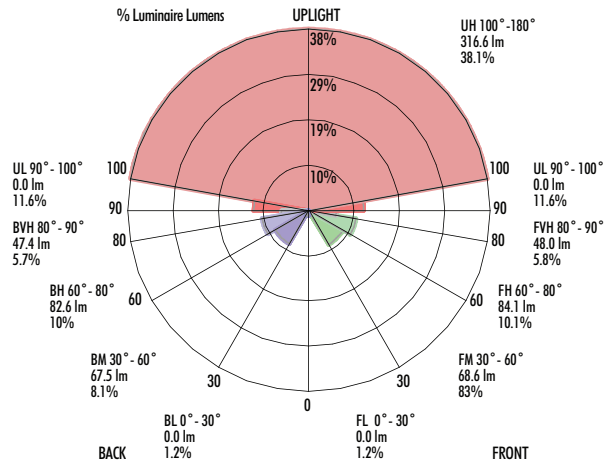


Maximum Candela = 98.58 Located At Horizontal Angle = 0, Vertical Angle = 95
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (95) (Through Max. Cd.)

LCS TABLE

BUG RATING	B0-U3-G1	
FRONT	Lumens	Lumens %
Low (0-30°)	0.0	1.2%
Medium (30°-60°)	68.6	8.3%
High (60°-80°)	84.1	10.1%
Very High (80°-90°)	48.0	5.8%
BACK		
Low (0-30°)	0.0	1.2%
Medium (30°-60°)	67.5	8.1%
High (60°-80°)	82.6	10.0%
Very High (80°-90°)	47.4	5.7%
UPLIGHT		
Low (90°-100°)	0.0	11.6%
High (100°-180°)	316.6	38.1%

LCS GRAPH



*Lumens delivered