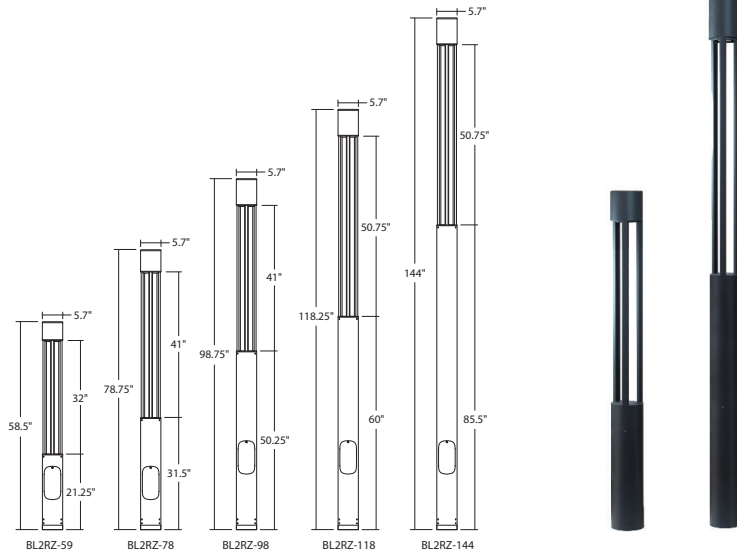


BL2RZ : LUMENPOLE ROUND BOLLARD & COLUMN

6" OPEN FRAME - 59", 78", 98", 118" AND 144" HEIGHT
 1300LM - 4300LM (20W - 90W)



- 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-59B-L18-SYM-EN-T27-C90

Fixture	Height	Finish	Lumens	Optic	Control	LED	Emergency Options	Options
Height	Lumens				Control			LED
59" Bollard - 59 ⁶	1300lm (20W)			-L18	Non Dimming (120V)		Blank	2700K (90CRI) -T27-C90
78" Bollard - 78	1600lm (28W)			-L24	TRIAC/ELV Dimming (120V)		-DIN ⁹	3000K (90CRI) -T30-C90
98" Bollard - 98	2100lm (42W)			-L30	0-10V Dimming (120/277V)		UE-D10	3000K (97 CRI) -T30-C97 ¹
118" Bollard - 118	2500lm (48W)			-L34	UniDim™ (120V/277V)		UE-DUN ⁸	3500K (90 CRI) -T35-C90
144" Bollard - 144	3100lm (60W)			-L40	0-10V Dimming (347V)		-347-D10 ⁷	4000K (90 CRI) -T40-C90
	3500lm (70W)			-L50	Dali Dimming (120V/277V)		UE-DLI ^{1,3}	5000K (80 CRI) -T50 ¹
	3800lm (80W)			-L60	Casambi Wireless Dimming (120V/277V)		-DCSM	Amber Lighting (590nm, Turtle Safe with Louver) -TAM-LVR ^{1,11}
	4300lm (90W)			-L70	BubblyNet Wireless System (120V/277V)		-DBNT ¹	
					SimplySnap Wireless System (120V/277V)		-DSYN ^{1,5}	Emergency Options
Finish	Optic							None Blank
Black B	Symmetric Extra Narrow (20°)	-SYM-EN			UniSense - Integral Motion/Photosensor (120V)		-SUN-INT ¹	Remote Full Power Emergency Option -EMAC ^{3,10}
White W ²	Symmetric Narrow (45°)	-SYM-N			UniSense - Integral Motion/Photosensor (120V/277V)		-SUN-INT-1227 ¹	
Silver S ²	Symmetric Wide (75°)	-SYM-W						Options
Bronze BZ	Asymmetric Forward Throw	-ASY-FT ¹						None Blank
	Asymmetric Wide	-ASY-W ¹						Photocell Sensor -SDL ³

¹ Special order. Minimum Order. Extended lead time 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 Not rated for cold weather. Minimum fixture outdoor temperature, 0°C (32°F).
⁴ Starting Temperature -40°C/-40°F. Only available with (UE-DUN) control option.
⁵ Special Order. Sent with surface mount JBOX to allow for direct-conduit entry.
⁶ (-L40) through (-L70) Lumen option not available on (-59) 59" Height.
⁷ (-347-D10) option only available for Lumen options: (-L18), (-L24) and (-L30).
⁸ (UE-DUN) option only available for Lumen options: (-L18), (-L24), (-L30), and (-L34).
⁹ (-DIN) option only available for Lumen options: (-L18), (-L24), (-L30), (-L34), and (-L70).
¹⁰ (-EMAC) must be ordered with (UE-D10) or (UE-DUN) if ordering with Lumen option (-L30) or higher. Check Wiring Diagram on page 5.
¹¹ (-TAM-LVR) option only available with Lumens (-L18).

Lumen values only apply to white light not (-RGBW) LED option.
 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.

BL2RZ : LUMENPOLE ROUND BOLLARD & COLUMN

6" OPEN FRAME - 59", 78", 98", 118" AND 144" HEIGHT
1300LM - 4300LM (20W - 90W)

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.

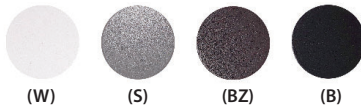
Mounting

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 - 59", 78", 98", 118" AND 144" HEIGHT
1300LM - 4300LM (20W - 90W)

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 (-SYM-W) 75°, Asymmetric Forward Throw (-ASY-FT), and Asymmetric Wide (-ASY-W) distributions.

-LVR option indicates an integral hexcell louver shield that meets Florida's FFWCC "Keep it SHIELDED" Wildlife Lighting Criteria to cut off glare in the horizontal plane of a lighting fixture.

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

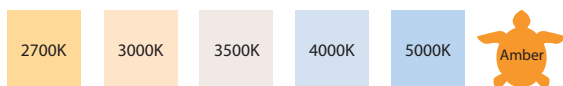
Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

Lumen Options (Delivered)

1300lm (20W), 1600lm (28W), 2100lm (42W), 2500lm (48W), 3100lm (60W), 3500lm (70W), 3800lm (80W), 4300lm (90W)

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.

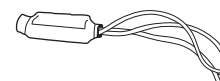
Minimum Operating Temperature:
Standard: -10°C/14°F
Cold Weather Option: (-CW) -30°C/-22°F

Additional Options

Photocell (-SDL): Installed internally in fixture. Sensor enables automatic on/off operation based on ambient light levels, providing dusk-to-dawn functionality.



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):

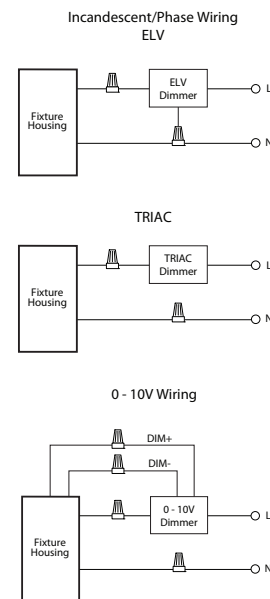
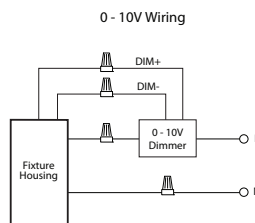
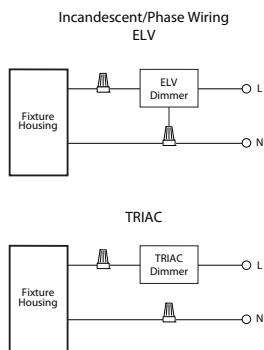
Compatible with electronic low voltage, and 2-Wire incandescent dimmers. Also known as leading edge, Reverse Phase, Forward Phase dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations.

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.

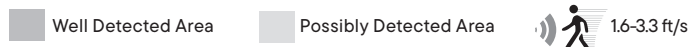
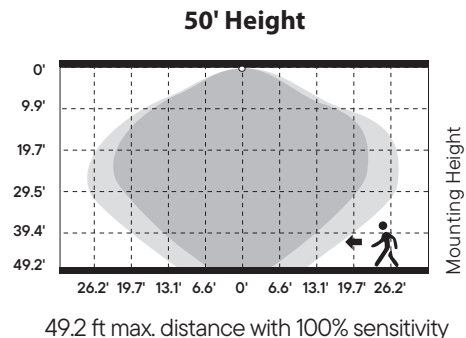
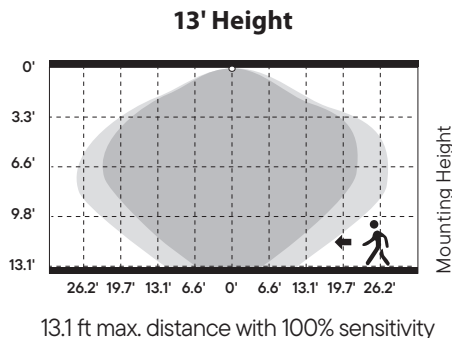
UniDim™ Driver 120V/277V (UE-DUN):

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.



Unisense™ PROGRAMMABLE MOTION + DAYLIGHT (-SUN-INT, -SUN-INT-1227)

- Microwave and PIR (Passive Infrared) sensors depending on option
- Daylight harvesting
- Dusk/dawn sensing capabilities
- Motion Sensor



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.

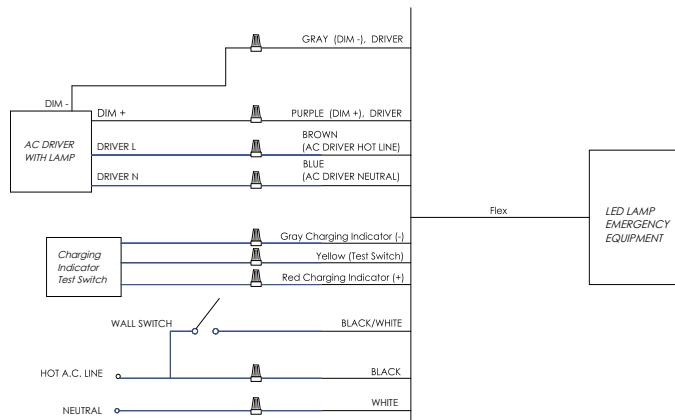
Level A Sound Rating.

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*



*0-10V dimmable LED Driver required.

BL2RZ : LUMENPOLE ROUND BOLLARD & COLUMN

6" OPEN FRAME - 59", 78", 98", 118" AND 144" HEIGHT
1300LM - 4300LM (20W - 90W)

SPECIFICATION (Continued)

Marine Grade

The fixture features a marine-grade textured powder coat finish engineered to withstand extreme environmental conditions, including prolonged exposure to UV radiation, salt air, and moisture, which are prevalent in coastal and high-humidity environments.

A multi-stage surface preparation, finishing, and curing process ensures maximum adhesion, durability, and corrosion resistance. The coating system undergoes rigorous salt spray (ASTM B117) testing, overbake resistance verification, and pencil hardness testing to validate its robustness against degradation.

The marine-grade powder coat is applied as a 30–50 μm bottom layer, providing a strong anti-corrosion foundation. This is further enhanced by a surface coat using a standard architectural-grade powder application with a total thickness of 80–120 μm , ensuring superior resistance to wear, impact, and environmental stressors.

BL2RZ : LUMENPOLE ROUND BOLLARD & COLUMN

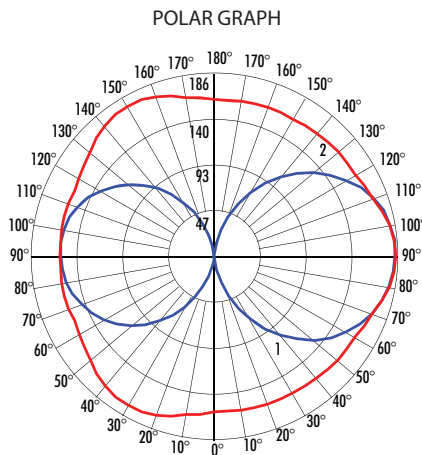
6" OPEN FRAME - 59", 78", 98", 118" AND 144" HEIGHT
1300LM - 4300LM (20W - 90W)

PHOTOMETRY

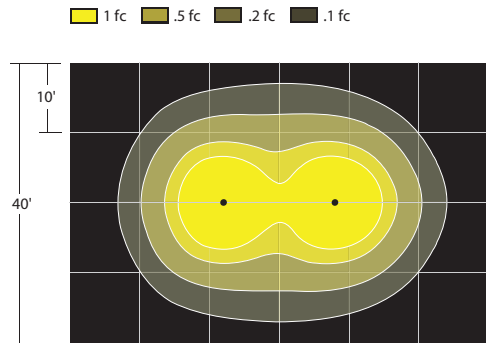
BL2RZ-59-B-L30-SYM-N-T40-C90 (59" Height, 2100lm*, 42W, Symmetric Narrow, 45°, 4000K)

System Power: 42.9W
Test Date: 07/2025
Beam Angle 50%: 21.0°
Field Angle 10%: 85.2°
Color Temperature: 3941K
CRI: 93.8
Lumens Delivered: 2066
Power Factor: 0.99

MULTIPLIERS	
LUMEN PACKAGE	
L18	0.62
L24	0.77
L30	1.00
L34	1.20
L40	1.47
L50	1.67
L60	1.81
L70	2.00
CCT	
2700K :	0.91
3000K :	0.94
3500K :	0.97
4000K :	1.00
5000K :	1.04
OPTIONS	
-FR :	0.80



FOOTCANDLES ON GROUND
2 Fixture Overlap, 12 Ft. Spacing
4.46 Ft. Light Source Mtg. Ht., 2211 lm

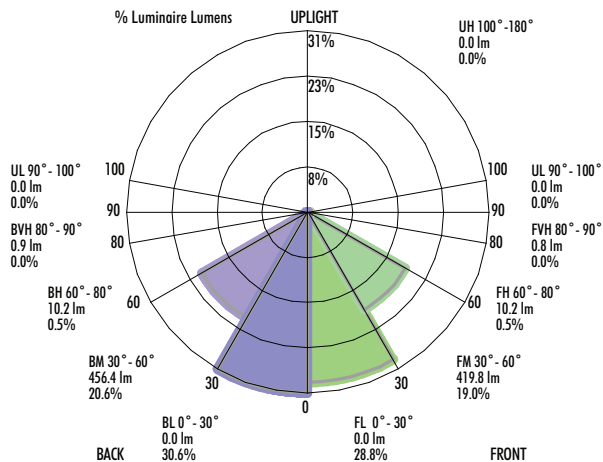


Maximum Candela = 186 Located At Horizontal Angle = 0, Vertical Angle = 95
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (95) (Through Max. Cd.)

LCS TABLE

BUG RATING	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

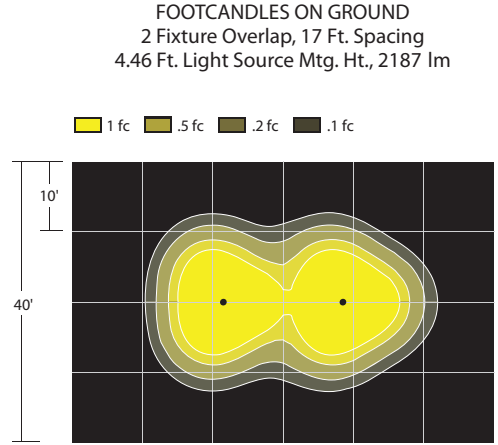
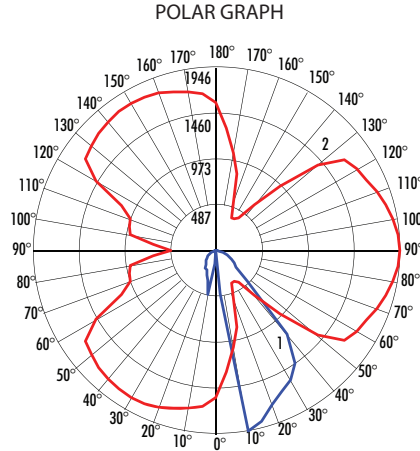
6" OPEN FRAME - 59", 78", 98", 118" AND 144" HEIGHT
1300LM - 4300LM (20W - 90W)

PHOTOMETRY (Continued)

BL2RZ-59-B-L30-SYM-W-T40-C90 (59" Height, 2100lm*, 42W, Symmetric Wide, 75°, 4000K)

System Power: 42.9W
Test Date: 07/2025
Beam Angle 50%: 20.8°
Field Angle 10%: 99.8°
Color Temperature: 3941K
CRI: 93.8
Lumens Delivered: 2192
Power Factor: 0.99

MULTIPLIERS	
LUMEN PACKAGE	
L18	0.62
L24	0.77
L30	1.00
L34	1.20
L40	1.47
L50	1.67
L60	1.81
L70	2.00
CCT	
2700K :	0.91
3000K :	0.94
3500K :	0.97
4000K :	1.00
5000K :	1.04
OPTIONS	
-FR :	0.80

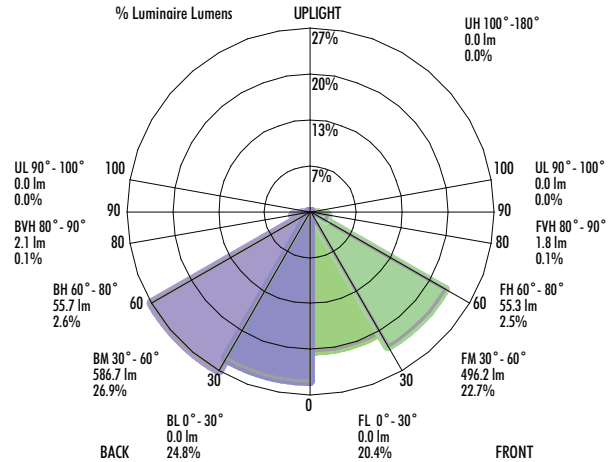


Maximum Candela = 1946 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

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

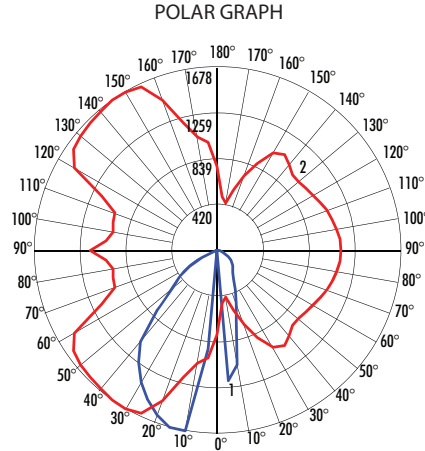
6" OPEN FRAME - 59", 78", 98", 118" AND 144" HEIGHT
1300LM - 4300LM (20W - 90W)

PHOTOMETRY (Continued)

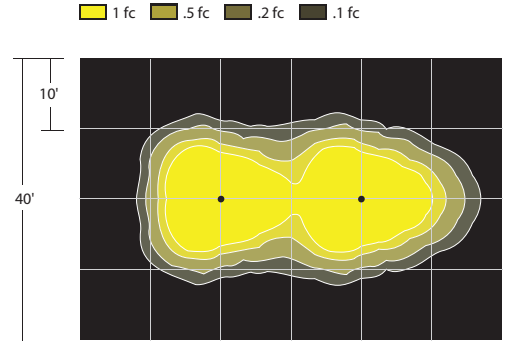
BL2RZ-59-B-L30-ASY-FT-T40-C90 (59" Height, 2100lm*, 42W, Asymmetric Forward Throw, 4000K)

System Power: 42.9W
Test Date: 07/2025
Beam Angle 50%: 64.6°
Field Angle 10%: 108.5°
Color Temperature: 3941K
CRI: 93.8
Lumens Delivered: 2034
Power Factor: 0.99

MULTIPLIERS	
LUMEN PACKAGE	
L18	0.62
L24	0.77
L30	1.00
L34	1.20
L40	1.47
L50	1.67
L60	1.81
L70	2.00
CCT	
2700K :	0.91
3000K :	0.94
3500K :	0.97
4000K :	1.00
5000K :	1.04
OPTIONS	
-FR :	0.80



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

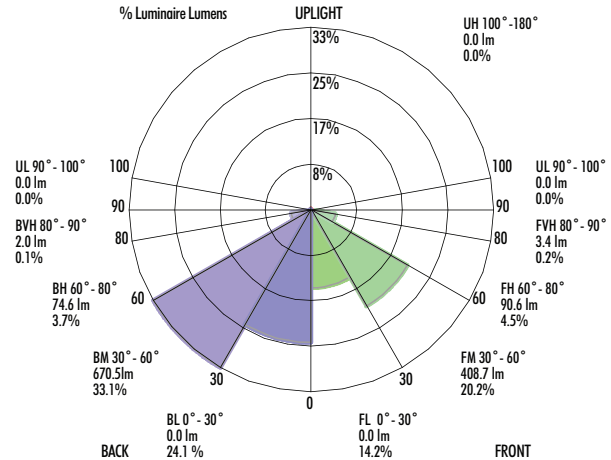


Maximum Candela = 1678 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (125 - 305) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

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

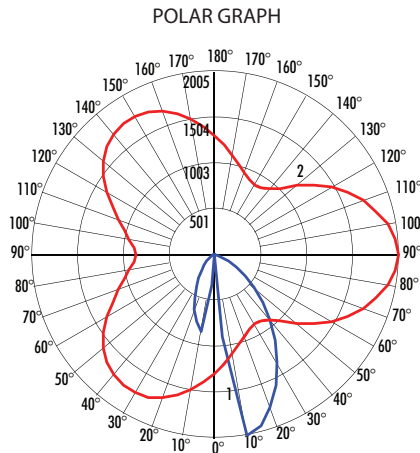
6" OPEN FRAME - 59", 78", 98", 118" AND 144" HEIGHT
1300LM - 4300LM (20W - 90W)

PHOTOMETRY (Continued)

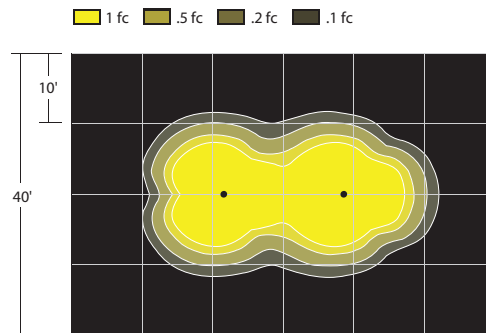
BL2RZ-59-B-L30-ASY-W-T40-C90 (59" Height, 2100lm*, 42W, Asymmetric Wide, 4000K)

System Power: 42.9W
Test Date: 07/2025
Beam Angle 50%: 19.9°
Field Angle 10%: 102.5°
Color Temperature: 3941K
CRI: 93.8
Lumens Delivered: 1934
Power Factor: 0.99

MULTIPLIERS	
LUMEN PACKAGE	
L18	0.62
L24	0.77
L30	1.00
L34	1.20
L40	1.47
L50	1.67
L60	1.81
L70	2.00
CCT	
2700K :	0.91
3000K :	0.94
3500K :	0.97
4000K :	1.00
5000K :	1.04
OPTIONS	
-FR :	0.80



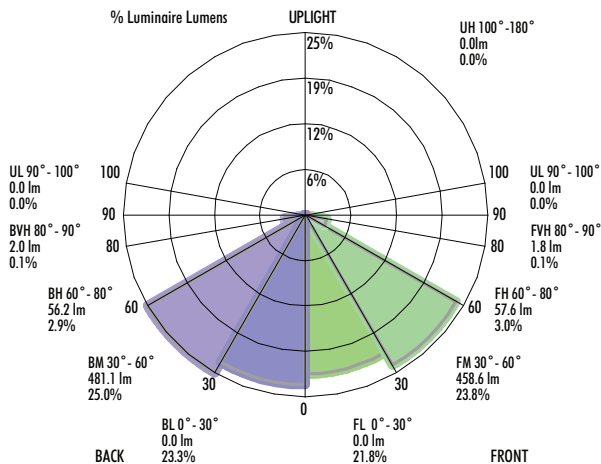
FOOTCANDLES ON GROUND
2 Fixture Overlap, 17 Ft. Spacing
4.46 Ft. Light Source Mtg. Ht., 1928 lm



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