

LLBOLR-LKFS LLBOLS-LKFS

Lumen and Kelvin Field Selectable Bollard in Round and Square

Construction:

- Cast aluminum housing, powder coat finish.
- High-impact, polycarbonate lens.
- Cone Reflector

Finish: Dark Bronze

Notes:

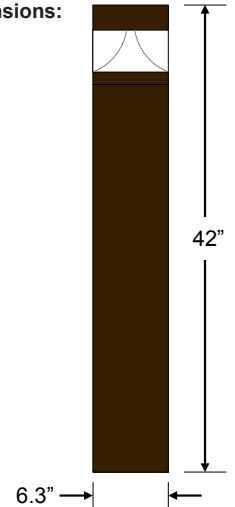
- Field selectable 3K, 4K, and 5K color temperatures.
- Field Selectable Power Wattages: Low/Medium/High (13w/18w/33w)
- 0-10vdc dimming standard.
- (L₇₀) for > 163,000 hours of operation
- (L₉₀) for > 50,000 hours of operation.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index (Ra) > 80.
- Surge protection = 4kV.
- Ambient temperatures from -40°C to 55°C (-40°F to 131°F).
- Mounting Kit Sold Separately

Certifications/Warranty

- cULus Listed For Wet Locations
- IP65 rated for ingress protection.
- DLC premium approved.
- Complies with FCC Part 15, class A.
- 5 Year Limited Warranty



Dimensions:



NOTE: Dimensions for LLBOLS-LKFS and LLBOLR-LKFS are the same.

PART #	MOUNTING KIT
LLBOLR-LKFS LLBOLS-LKFS	BOL-RMTGKIT Anchor bolt for round bollard BOL-SMTGKIT Anchor bolt for square bollard

Name: _____

Type: _____

Part #: _____

Notes: _____

ELECTRICAL DATA

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3K	4K	5K	3K	4K	5K	3K	4K	5K
LLBOLR-LKFS	Lumens	1827	1974	1942	2507	2686	2665	3090	3244	3296
	Watts	13	14	13	18	19	18	23	22	23
	Efficacy	139	144	148	138	145	146	134	145	144
	Input Current (A)	120V = 0.11A	120V = 0.12A	120V = 0.11A	120V = 0.15A	120V = 0.16A	120V = 0.15A	120V = 0.19A	120V = 0.18A	120V = 0.19A
240V = 0.05A		240V = 0.06A	240V = 0.05A	240V = 0.08A	240V = 0.08A	240V = 0.08A	240V = 0.10A	240V = 0.09A	240V = 0.10A	
277V = 0.05A		277V = 0.05A	277V = 0.05A	277V = 0.06A	277V = 0.07A	277V = 0.06A	277V = 0.08A	277V = 0.08A	277V = 0.08A	

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3K	4K	5K	3K	4K	5K	3K	4K	5K
LLBOLS-LKFS	Lumens	1702	1790	1805	2303	2450	2459	2887	3047	3041
	Watts	13	14	13	18	18	19	23	23	23
	Efficacy	128	132	135	125	134	133	125	135	131
	Input Current (A)	120V = 0.11A	120V = 0.12A	120V = 0.11A	120V = 0.15A	120V = 0.15A	120V = 0.16A	120V = 0.19A	120V = 0.19A	120V = 0.19A
240V = 0.05A		240V = 0.06A	240V = 0.05A	240V = 0.08A	240V = 0.08A	240V = 0.08A	240V = 0.10A	240V = 0.10A	240V = 0.10A	
277V = 0.05A		277V = 0.05A	277V = 0.05A	277V = 0.06A	277V = 0.06A	277V = 0.07A	277V = 0.08A	277V = 0.08A	277V = 0.08A	

PHOTOMETRIC DATA
LLBOLR-LKFS - High Lumen
Luminaire Data

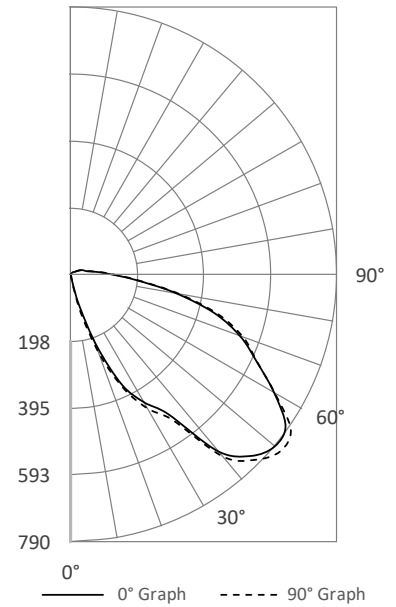
Description	BOLLARD (ROUND) 3L 5K - LKFS
Total Lumens	3,296
Input Wattage	23
Efficacy (lm/W)	144
Max. Cd.	815.81 (67.5H, 53V)
IES Classification	Type VS
Longitudinal Classification	Short

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-30°	201	6.1%
0-60°	1,823	55.3%
0-80°	2,890	87.7%
80-90°	225	6.8%
0-90°	3,115	94.5%
90-110°	134	4.1%
110-180°	0	0.0%
0-180°	3,296	100.0%

Luminaire Classification Systems (LCS)

LCS Zone		Lumens	%Lum
FL	0-30	99	3.0%
FM	30-60	813	24.7%
FH	60-80	540	16.4%
FVH	80-90	116	3.5%
BL	0-30	101	3.1%
BM	30-60	809	24.5%
BH	60-80	527	16.0%
BVH	80-90	109	3.3%
UL	90-100	89	2.7%
UH	100-180	93	2.8%
Total		3,296	100.0%
BUG Rating		B2-U3-G2	

180° Polar Graph

LLBOLS-LKFS - High Lumen
Luminaire Data

Description	BOLLARD (SQUARE) 3L 5K - LKFS
Total Lumens	3,041
Input Wattage	23
Efficacy (lm/W)	132
Max. Cd.	843.54 (270H, 53V)
IES Classification	Type VS
Longitudinal Classification	Short

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-30°	114	3.8%
0-60°	1,611	53.0%
0-80°	2,646	87.0%
80-90°	230	7.6%
0-90°	2,876	94.6%
90-110°	126	4.1%
110-180°	0	0.0%
0-180°	3,041	100.0%

Luminaire Classification Systems (LCS)

LCS Zone		Lumens	%Lum
FL	0-30	47	1.6%
FM	30-60	738	24.3%
FH	60-80	552	18.2%
FVH	80-90	132	4.3%
BL	0-30	67	2.2%
BM	30-60	760	25.0%
BH	60-80	482	15.9%
BVH	80-90	98	3.2%
UL	90-100	89	2.9%
UH	100-180	76	2.5%
Total		3,041	99.9%
BUG Rating		B1-U3-G2	

180° Polar Graph
