



Bollard Spec Series



Description

The LITELUME™ Bollard Spec Series (LL-BOLSS) is a specification luminaire designed for retrofit or new construction. Available in 4 different styles, Black or Bronze. Features an anti-corrosion die-cast aluminum housing and high-impact polycarbonate lens. Parabolic cone with even 360 degree distribution. Easy installation with required anchor bolt mounting kit.

Applications: Security, Pathway, Perimeter, Pedestrian and Walkway lighting.

Fixture Information

Housing:	Die-cast Aluminum Housing
Finish:	Protective powdercoat
Len:	High- Impact Polycarbonate Lens
Color:	Standard: Bronze, Black
Power Factor:	>.90
CRI:	>80
THD:	<20%
Operating Temperature:	-40°C to 55°C (-40°F to 131°F).
Voltage:	Standard: 120-277V
Dimming:	Standard: 0-10V
Sensor:	Standard: No sensor
Warranty:	10-Year Limited Warranty

Performance Data

Lumen Output:

905 to 3,296 lm

Lumens Per Watt (typical):

69 to 148 lm/W

CCT:

3000K/4000K /5000K Selectable

Lifespan:

Up to 163,000 hours (L70 at 70%)

Ratings & Certificates

cULus Listed for Wet Location

IP65

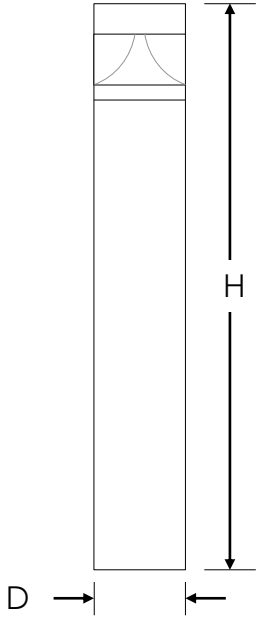
Complies with FCC Part 15, class A.





Dimensions

Item	Diameter	Height	Weight
LL-BOLSS-RPFT	6"	42.00"	12 lb
LL-BOLSS-SPFT	6"	42.00"	15 lb
LL-BOLSS-RD	6"	44.00"	12 lb
LL-BOLSS-RDL	6"	44.00"	13 lb



Electrical Data

LL-BOLSS-RPFT-[13][18][23]-3CCT									
Measurements	Low Lumens			Mid Lumens			High Lumens		
	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
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

LL-BOLSS-SPFT-[13][18][23]-3CCT									
Measurements	Low Lumens			Mid Lumens			High Lumens		
	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
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



LL-BOLSS-RD-[13][18][23]-3CCT

Measurements	Low Lumens			Mid Lumens			High Lumens		
	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Lumens	1819	1818	1895	2512	2530	2614	3130	3249	3251
Watts	13	12	13	18	17	18	23	22	23
Efficacy	140	148	146	138	147	144	136	146	143
Input Current (A)	120V = 0.11A	120V = 0.10A	120V = 0.11A	120V = 0.15A	120V = 0.14A	120V = 0.15A	120V = 0.19A	120V = 0.18A	120V = 0.19A
	240V = 0.05A	240V = 0.05A	240V = 0.05A	240V = 0.08A	240V = 0.07A	240V = 0.08A	240V = 0.10A	240V = 0.09A	240V = 0.10A
	277V = 0.05A	277V = 0.04A	277V = 0.05A	277V = 0.06A	277V = 0.06A	277V = 0.06A	277V = 0.08A	277V = 0.08A	277V = 0.08A

LL-BOLSS-RDL-[13][18][23]-3CCT

Measurements	Low Lumens			Mid Lumens			High Lumens		
	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Lumens	905	973	983	1263	1351	1359	1573	1692	1687
Watts	13	12	13	18	17	18	23	22	23
Efficacy	71	79	77	72	78	76	69	76	74
Input Current (A)	120V = 0.11A	120V = 0.10A	120V = 0.11A	120V = 0.15A	120V = 0.14A	120V = 0.15A	120V = 0.19A	120V = 0.18A	120V = 0.19A
	240V = 0.05A	240V = 0.05A	240V = 0.05A	240V = 0.08A	240V = 0.07A	240V = 0.08A	240V = 0.10A	240V = 0.09A	240V = 0.10A
	277V = 0.05A	277V = 0.04A	277V = 0.05A	277V = 0.06A	277V = 0.06A	277V = 0.06A	277V = 0.08A	277V = 0.08A	277V = 0.08A

Photometric Data

LL-BOLSS-RPFT-[13][18][23]-3CCT

Luminaire Data

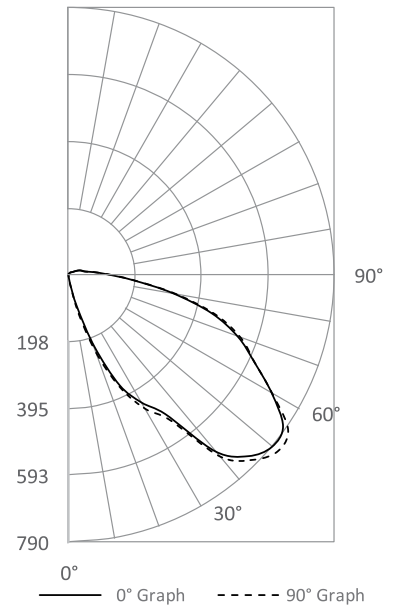
Description	LED BOLLARD SPEC SERIES ROUND PARABOLIC FLAT TOP
Total Lumens	3,296
Input Wattage	23
Efficacy (lm/W)	144
Max. Cd.	815.81 (67.5H, 53V)
IES Classification	Type VS
Longitudinal Classification	Short

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	

Photometrics calculated at 5000k - high lumens setting

180° Polar Graph



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%



LL-BOLSS-SPFT-[13][18][23]-3CCT

Luminaire Data

Description	LED BOLLARD SPEC SERIES SQUARE PARABOLIC FLAT TOP
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

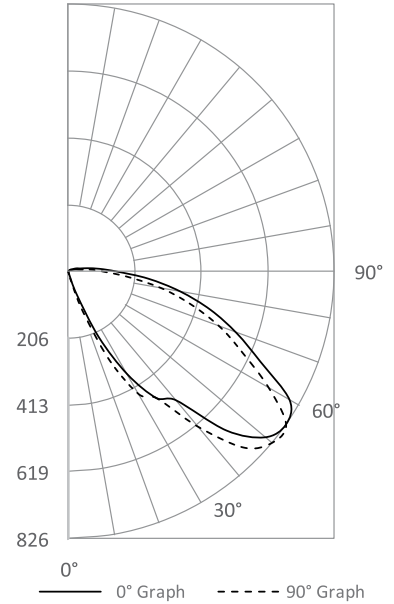
Zone	Lumens	%Fixt
0-30°	114	3.8%
0-60°	1,611	53.0%
0-80°	2,646	87.0%
80-90°	230	7.6%
0-90°	2,876	94.6%
90-110°	126	4.1%
110-180°	0	0.0%
0-180°	3,041	100.0%

Luminaire Classification Systems (LCS)

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

Photometrics calculated at 5000k - high lumens setting

180° Polar Graph



LL-BOLSS-RD-[13][18][23]-3CCT

Luminaire Data

Description	LED BOLLARD SPEC SERIES ROUND DOME
Total Lumens	3,251
Input Wattage	23
Efficacy (lm/W)	143
Max. Cd.	765.57 (45H, 52V)
IES Classification	Type VS
Longitudinal Classification	Very Short

Zonal Lumen Summary

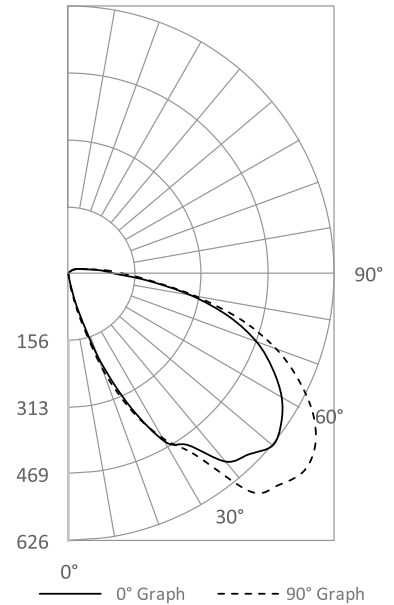
Zone	Lumens	%Fixt
0-30°	200	6.2%
0-60°	1,724	53.0%
0-80°	2,790	85.8%
80-90°	240	7.4%
0-90°	3,030	93.2%
90-110°	161	5.0%
110-180°	0	0.0%
0-180°	3,251	100.0%

Luminaire Classification Systems (LCS)

LCS Zone	Lumens	%Lum
FL	96	3.0%
FM	756	23.3%
FH	539	16.6%
FVH	124	3.8%
BL	104	3.2%
BM	768	23.6%
BH	528	16.2%
BVH	116	3.6%
UL	110	3.4%
UH	111	3.4%
Total	3,251	100.0%
BUG Rating	B2-U3-G2	

Photometrics calculated at 5000k - high lumens setting

180° Polar Graph





LL-BOLSS-RDL-[13][18][23]-3CCT

Luminaire Data

Description	LED BOLLARD SPEC SERIES ROUND DOME LOUVER
Total Lumens	1,688
Input Wattage	23
Efficacy (lm/W)	74
Max. Cd.	292.72 (225H, 67V)
IES Classification	Type VS
Longitudinal Classification	Short

Zonal Lumen Summary

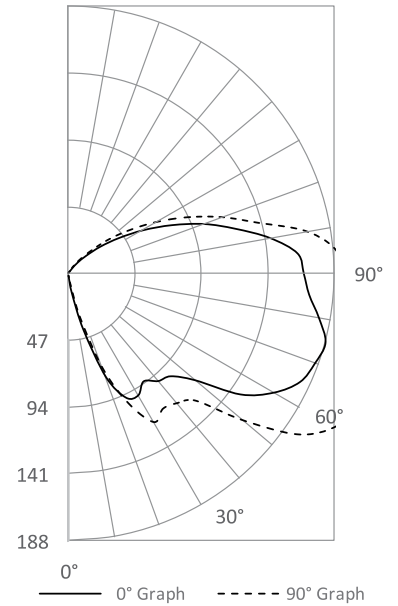
Zone	Lumens	%Fixt
0-30°	61	3.6%
0-60°	455	27.0%
0-80°	959	56.8%
80-90°	231	13.7%
0-90°	1,190	70.5%
90-110°	345	20.4%
110-180°	0	0.0%
0-180°	1,688	100.0%

Luminaire Classification Systems (LCS)

LCS Zone	Lumens	%Lum
FL 0-30	32	1.9%
FM 30-60	201	11.9%
FH 60-80	253	15.0%
FVH 80-90	115	6.8%
BL 0-30	29	1.7%
BM 30-60	192	11.4%
BH 60-80	250	14.8%
BVH 80-90	116	6.9%
UL 90-100	202	12.0%
UH 100-180	296	17.5%
Total	1,688	100.0%
BUG Rating	B1-U3-G2	

Photometrics calculated at 5000k - high lumens setting

Polar Graph





Project Name	
Catalog #	
Job Type	
Prepared By	
Notes	

Fixture Ordering Information

Part #	Wattage	Lumens	CCT	Voltage	Distribution
LL-BOLSS-RPFT-[13][18][23]-3CCT-BZ	13W/18W/23W	1895/2614/3251	3 CCT	120-277	T5 120D
LL-BOLSS-RPFT-[13][18][23]-3CCT-BK	13W/18W/23W	1895/2614/3251	3 CCT	120-277	T5 120D
LL-BOLSS-SPFT-[13][18][23]-3CCT-BZ	13W/18W/23W	1895/2614/3251	3 CCT	120-277	T5 120D
LL-BOLSS-SPFT-[13][18][23]-3CCT-BK	13W/18W/23W	1895/2614/3251	3 CCT	120-277	T5 120D
LL-BOLSS-RD-[13][18][23]-3CCT-BZ	13W/18W/23W	1895/2614/3251	3 CCT	120-277	T5 120D
LL-BOLSS-RD-[13][18][23]-3CCT-BK	13W/18W/23W	1895/2614/3251	3 CCT	120-277	T5 120D
LL-BOLSS-RDL-[13][18][23]-3CCT-BZ	13W/18W/23W	983/1359/1687	3 CCT	120-277	T5 120D
LL-BOLSS-RDL-[13][18][23]-3CCT-BK	13W/18W/23W	983/1359/1687	3 CCT	120-277	T5 120D

Mounting Ordering Information ****REQUIRED****

Part #	Description
LL-BOL-R-MTGKIT	Anchor Bolt For Round Bollard
LL-BOL-S-MTGKIT	Anchor Bolt For Square Bollard