



Fixture Type: _____
 Client: _____
 Project: _____
 Location: _____
 Catalog#: _____



MODEL	L	W/Ø	H	Weight (lbs)
PL-109	6	6	44	13

SERIES	MODEL	NOMINAL LUMEN OUTPUT (SELECTABLE)	SELECT	HOUSING COLOR	REQUIRED HOUSING MEANS (ORDER SEPARATELY)
PL-109	RDL = Round Dome Louvered	2L = 2,000lm	LKFS	BKL = Black Blank = Bronze	BOL-R-MTGKIT = Anchor bolt for round bollard BOL-S-MTGKIT = Anchor bolt for square bollard

Specifications

Housing

- Cast aluminum housing with choice of dark bronze or black powder coat finish.
- High-impact, polycarbonate lens.

Electrical

- Universal 120-277 AC voltage (50-60Hz) is standard.
- 0-10vdc dimming drivers, are standard.
- Surge protection = 4kV.
- Power factor > 0.90.
- Total harmonic distortion < 20%.

Code Compliance

- cULus listed for wet locations in ambient temperatures from -40°C to 55°C (-40°F to 131°F).
- IP65 rated for ingress protection.
- Complies with FCC Part 15, class A.

Mounting

- Easy installation in new construction or retrofit applications.

Optical System

- Field selectable 3000k (warm white), 4000k (neutral white), and 5000k (cool white) color temperatures.*
- Long-life LEDs provide at least 70% of initial lumen output (L70) for >163,000 hours of operation, and at least 90% of initial lumen output (L90) for >50,000 hours of operation.**
- LED chromaticity based on < 5-step ANSI quadrangles.
- LED color maintenance < 0.003 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation.
- Provides a range of 905 to 3,296 nominal lumens and 69 to 148 nominal lumens per watt (lm/W).
- Color rendering index (Ra) > 80.

Warranty

- 5-year warranty of all electronics and housing.



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Photometric Data

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
PL-109	Lumens	905	973	983	1263	1351	1359	1573	1692	1687
	Watts	13	12	13	18	17	18	23	22	23
	Efficacy	71	79	77	71	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

PL-109

Luminaire Data

Description	PL-109
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

180° Polar Graph

