



PROlite LED Lighting™

A Division of Emergensee® Lighting, Inc.

TYPE: _____ DATE: _____

JOB NAME: _____

CONTRACTOR: _____

CATALOG NO: _____

NOTES: _____

PLEDSL42W

42 Watt LED Landscape Security / Flood Light

FEATURES

- Available in 3000k & 5000k (cool white) color temperatures*
- Long-life LEDs provide 69,000 hours of operation with at least 70% of initial lumen output (L70)**
- Delivers 4,201 lumens (107 lumens per watt, LPW) at 3000k, and 4,800 lumens (122 LPW) at 5000k*
- Medium beam spread is standard
- Universal 100-277 AC voltage (50-60Hz) is standard
- Power factor > 0.90
- Total harmonic distortion < 20%
- Color rendering index > 80
- Die cast aluminum housing with durable, dark bronze, powder coat paint
- Polycarbonate lens
- Several mounting options provide easy installation in new construction or retrofit. Yoke-mounted models available by special order (contact factory for details)

*Contact factory for other color temperatures and lumen packages

**L₇₀ hours are IES TM-21-11 calculated hours

WARRANTY & LISTINGS

- cULus listed for wet locations (-20°C to 40°C / -4°F to 104°F)
- IP65 rated
- DLC approved
- Complies with EN61000-4-5, surge immunity test (1kV)
- 5-year warranty on all electronics and housing



The PLEDSL42W landscape security / flood light is an ideal solution for general site, landscape, sign and pathway lighting. With a die cast aluminum housing, and a polycarbonate lens with seamless silicone gasket to prevent leaks, the PLEDSL42W will stand up to many years of punishing environmental conditions. High-efficacy, long-life LEDs provide both energy and maintenance cost savings compared to traditional, incandescent landscape lights.

MOUNTING OPTIONS

- Threaded pipe (NPS 1/2"), which attaches to a junction box, is standard
- Optional spike-mount (LEDSL-BS) for ground mounting
- Optional canopy-mount (LED-CNY-KIT) for attachment to flat surfaces

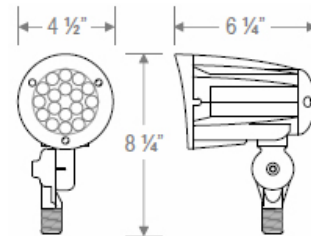


Spike-Mount
(LEDSL-BS)



Canopy-Mount
(LED-CNY-KIT)

DIMENSIONS

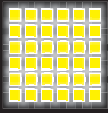


ORDERING INFORMATION

MODEL	LUMINAIRE WATTS	LUMINAIRE LUMENS	LUMENS PER WATT	COLOR TEMPERATURE	BEAM SPREAD	MOUNTING OPTIONS (Order Separately)
PLEDSL42W-K-3K-60	39	4,201	107	3K = 3000k	60 = Medium	Spike-Mount = LEDSL-BS Canopy-Mount = LED-CNY-KIT
PLEDSL42W-K-5K-60	39	4,800	122	5K = 5000k	60 = Medium	

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ELECTRICAL DATA

MODEL	COLOR TEMP	CRI ¹	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS PER WATT	INPUT VOLTAGE	INPUT CURRENT (A)			POWER FACTOR	THD ²	L ₇₀ HOURS ³
							120V	240V	277V			
PLEDSL42W-K-3K-60	3000K	> 80	4,201	39	107	120-277 (50-60Hz)	0.33	0.16	0.14	> 90%	< 20%	69,000
PLEDSL42W-K-5K-60	5000K	> 80	4,800	39	122	120-277 (50-60Hz)	0.33	0.16	0.14	> 90%	< 20%	69,000

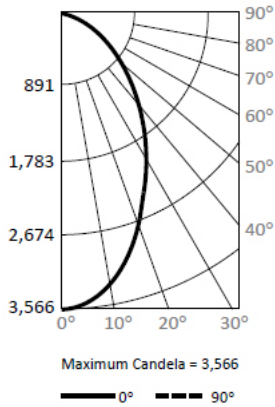
¹ Color rendering index

² Total harmonic distortion

³ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA

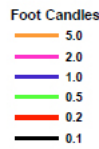
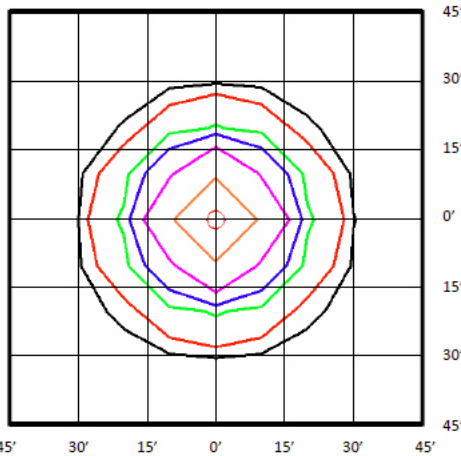
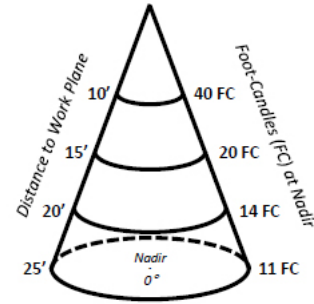
LEDL42W-K-5K-30 (4,800 Lumens)



	0°	90°
0°	3,566	3,566
10°	3,512	3,491
20°	3,302	3,268
30°	3,003	2,968
40°	2,662	2,640
50°	2,312	2,298
60°	1,965	1,960
70°	1,630	1,629
80°	1,317	1,321
90°	1,034	1,036

Zone	Lumens	% Fixture
0° - 10°	326	6.8%
0° - 20°	1,154	24.0%
0° - 30°	2,199	45.8%
0° - 40°	3,201	66.7%
0° - 50°	3,990	83.1%
0° - 60°	4,476	93.3%
0° - 70°	4,704	98.0%
0° - 80°	4,784	99.7%
0° - 90°	4,796	99.9%
90° - 180°	4	0.1%
0° - 180°	4,800	100.0%

Cone of Light



Notes:

- Isofootcandle plots depict initial footcandles at grade.
- Gridlines represent units of mounting height of 25 feet.

Luminaire Orientation

