

LEDWPC50W/80W 20 & 30 Watt LED Area Light



Project:	
Type:	
Catalog #:	

STANDARD



The LEDWPC50W/80W is a contemporary, commercial-grade area luminaire, which can be wall-, ground- or pole-mounted to provide outdoor perimeter, area, and floodlighting. With a die cast aluminum housing and a tempered glass lens, the LEDWPC50W/80W 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, HID area lights.

FEATURES

in 4000k (neutral white) and 5000k (cool white) color temperatures.*

- Long-life LEDs provide 79,000 (LEDWPC50W) or 121,000 (LEDWPC80W) hours of operation with at least 70% of initial lumen output (L₇₀).**
- LEDWPC50W delivers 4,183 lumens (84 lumens per watt (LPW) at both 4000k and 5000k.*
- LEDWPC80W delivers 6,919 lumens (86 LPW) at both 4000k and 5000k.*
- 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.
- Tempered glass lens.
- Removable, threaded plugs for side attachment of 1/2" rigid electrical conduit, or for button photocells.
- Easy installation in new construction or retrofit.

* 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.
- Tested and approved to UL 1598, UL8750 and IEC60598 safety standards.
- 5-year warranty on all electronics and housing.

MOUNTING OPTIONS

- Wall-mount plate is standard.
- Square arm option provides secure attachment to square poles, walls, and other flat surfaces.
- Slip-fitter mount provides attachment to poles (2 5/8" O.D. Tenon).

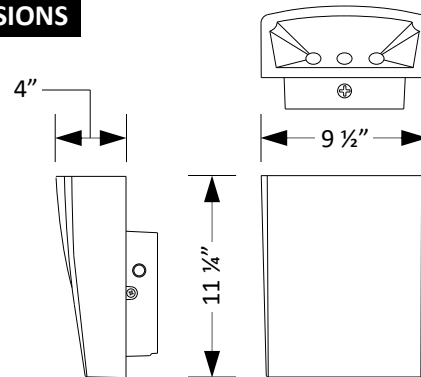


Square Arm (LEDWPC-A)



Slip-Fitter (LEDWPC-SF)

DIMENSIONS



Example: LEDWPC50W-4K + LEDWPC-A

ORDERING INFORMATION

Model	Luminaire Watts	Luminaire Lumens	Lumens Per Watt	Color Temperature	Mounting Options (Order Separately)
LEDWPC50W-4K	50	4,183	84	4K = 4000k	Square Arm Mount — LEDWPC-A Slip-Fitter Mount — LEDWPC-SF
LEDWPC50W-5K	50	4,183	84	5K = 5000k	
LEDWPC80W-4K	80	6,919	86	4K = 4000k	
LEDWPC80W-5K	80	6,919	86	5K = 5000k	

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ELECTRICAL

Model	Color Temperature	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			
LEDWPC50W-4K	4000k	> 80	4,183	50	84	120-277 (50-60Hz)	0.42	0.21	0.18	> 90%	< 20%	79,000
LEDWPC50W-5K	5000k	> 80	4,183	50	84	120-277 (50-60Hz)	0.42	0.21	0.18	> 90%	< 20%	79,000
LEDWPC80W-4K	4000k	> 80	6,919	80	86	120-277 (50-60Hz)	0.67	0.33	0.29	> 90%	< 20%	121,000
LEDWPC80W-5K	5000k	> 80	6,919	80	86	120-277 (50-60Hz)	0.67	0.33	0.29	> 90%	< 20%	121,000

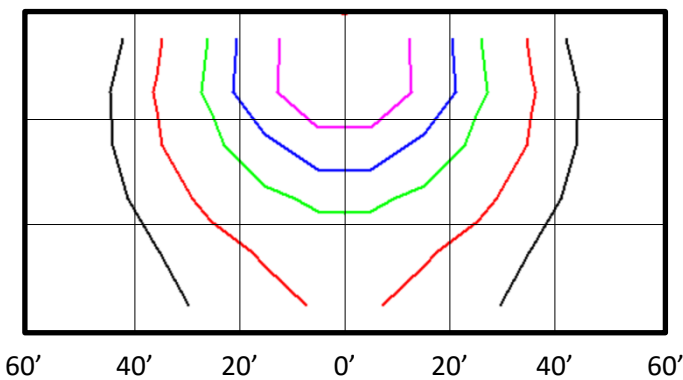
¹ Color rendering index

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

LEDWPC50W-4K (4,183 Lumens)



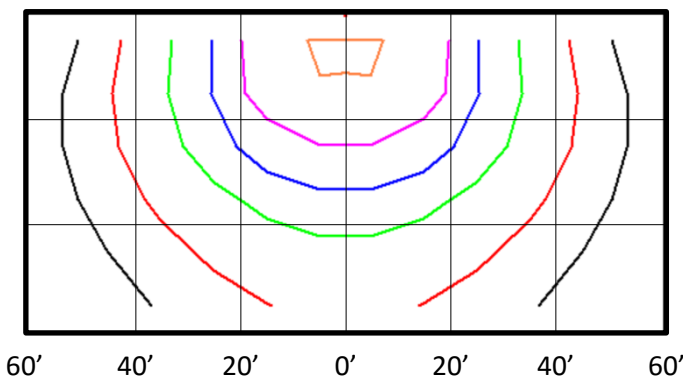
0'
Luminaire Orientation:



BUG Rating: B1-U1-G1

Zone	Lumens	%
FL - Front - Low (0-30)	735	18%
FM - Front - Medium (30-60)	1,992	48%
FH - Front - High (60-80)	667	16%
FVH - Front - Very High (80-90)	10	0%
Total Forward Light	3,404	81%
BL - Back - Low (0-30)	449	11%
BM - Back - Medium (30-60)	289	7%
BH - Back - High (60-80)	30	1%
BVH - Back - Very High (80-90)	2	0%
Total Back Light	770	18%
UL - Up Light - Low (90-100)	1	0%
UH - Up Light - High (100-180)	9	0%
Total Up Light	10	0%
Total Lumens	4,184	100%

LEDWPC80W-4K (6,919 Lumens)



0'
Luminaire Orientation:



BUG Rating: B2-U2-G1

Zone	Lumens	%
FL - Front - Low (0-30)	1,208	17%
FM - Front - Medium (30-60)	3,115	45%
FH - Front - High (60-80)	1,048	15%
FVH - Front - Very High (80-90)	20	0%
Total Forward Light	5,390	78%
BL - Back - Low (0-30)	776	11%
BM - Back - Medium (30-60)	655	9%
BH - Back - High (60-80)	77	1%
BVH - Back - Very High (80-90)	4	0%
Total Back Light	1,511	22%
UL - Up Light - Low (90-100)	1	0%
UH - Up Light - High (100-180)	16	0%
Total Up Light	17	0%
Total Lumens	6,918	100%

Foot Candles



Notes:

- Isofootcandle plots depict initial footcandles at grade.
- Gridlines represent units of mounting height of 20 feet.