

LEDWPCA80W/120W

80 & 120 Watt Adjustable Full Cutoff LED Area Light



Project:	
Type:	
Catalog #:	



STANDARD



The LEDWPCA series is a contemporary, commercial-grade area luminaire. It features a heavy-duty, spring-loaded hinge, which provides the flexibility of focusing light near the mounting surface, or projecting light forward. With a die cast aluminum housing and a polycarbonate lens, the LEDWPCA series 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

- Available in 3000k (warm white), 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide 69,000 hours of operation with at least 70% of initial lumen output (L_{70}).**
- LEDWPCA80W delivers 8,821 lumens & 110 lumens per watt (LPW) at 3000k; 9,056 lumens & 113 LPW at 4000k; and 9,241 lumens & 116 LPW at 5000k.*
- LEDWPCA120W delivers 13,796 lumens & 111 lumens per watt (LPW) at both 3000k & 4000k, and 14,227 lumens & 115 LPW at 5000k.*
- Heavy-duty, spring-loaded hinge provides the flexibility of focusing light near the mounting surface or projecting light forward.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- Watertight, compression-type electrical connectors prevent moisture intrusion.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Die cast aluminum housing with durable, dark bronze, powder coat paint.
- Durable, UV-resistant polycarbonate lens.
- Removable, threaded plugs for side attachment of 1/2" rigid electrical conduit, or for button photocells.
- Easy installation in new construction or retrofit.

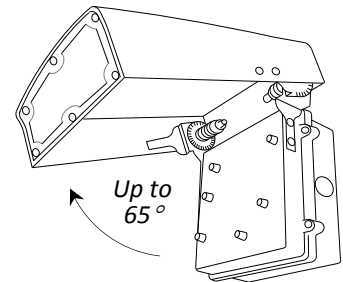
* Contact factory for other color temperatures and lumen packages.
 ** L_{70} hours are IES TM-21-11 calculated hours.

WARRANTY & LISTINGS

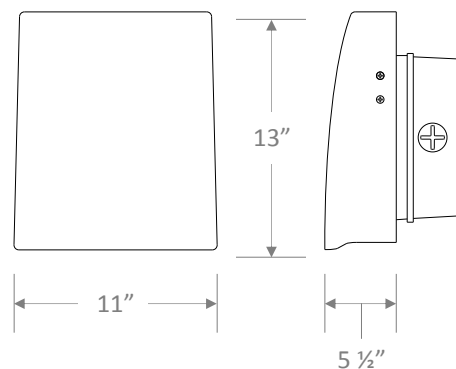
- cULus listed for wet locations (-20°C to 40°C / -4°F to 104°F).
- IP65 rated.
- DLC standard approved*.
- Complies with FCC Part 15 class B.
- Complies with EN61000-4-5, surge immunity (2kV LEDWPCA80W, 4kV LEDWPCA120W).
- 5-year warranty on all electronics and housing.

VERTICAL ADJUSTABILITY

- Heavy-duty, spring-loaded hinge provides vertical adjustability of the luminaire housing up to 65°.
- Adjustability provides for a range of lighting effects from full-cutoff downlight to forward throw.
- Knurled notches securely retain rotated position even in demanding environments.



DIMENSIONS



Weight: 5.0 lb.

ORDERING INFORMATION

Model	Color Temperature	Luminaire Lumens	Luminaire Watts	Lumens Per Watt
LEDWPCA80W-3K	3000k	8,821	80	110
LEDWPCA80W-4K	4000k	9,056	80	113
LEDWPCA80W-5K	5000k	9,241	80	116
LEDWPCA120W-3K*	3000k	13,106	124	106
LEDWPCA120W-4K	4000k	13,796	124	111
LEDWPCA120W-5K	5000k	14,227	124	115

* Note: Model LEDWPCA120W-3K is not DLC listed, and luminaire lumens are estimated at 95% of LEDWPCA120W-4K lumens.

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ELECTRICAL

Model	Color Temperature	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
LEDWPCA80W-3K	3000k	> 80	8,821	110	80	120-277	0.67	0.33	0.29	> 90%	< 20%	69,000
LEDWPCA80W-4K	4000k	> 80	9,056	113	80	120-277	0.67	0.33	0.29	> 90%	< 20%	69,000
LEDWPCA80W-5K	5000k	> 80	9,241	116	80	120-277	0.67	0.33	0.29	> 90%	< 20%	69,000
LEDWPCA120W-3K*	3000k	> 80	13,106	106	124	120-277	1.04	0.52	0.45	> 90%	< 20%	69,000
LEDWPCA120W-4K	4000k	> 80	13,976	111	124	120-277	1.04	0.52	0.45	> 90%	< 20%	69,000
LEDWPCA120W-5K	5000k	> 80	14,227	115	124	120-277	1.04	0.52	0.45	> 90%	< 20%	69,000

¹ Color rendering index.

² All 50-60Hz.

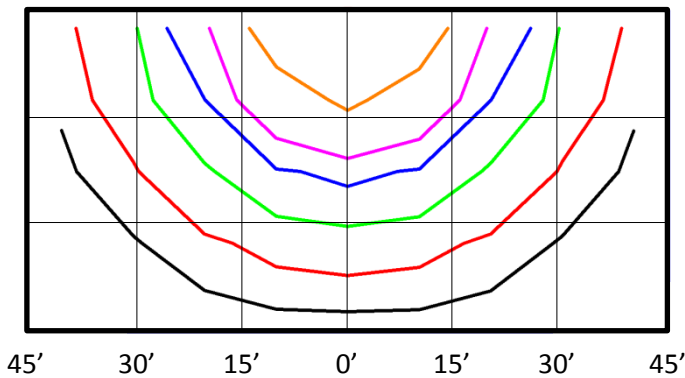
³ Total harmonic distortion.

⁴ 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.

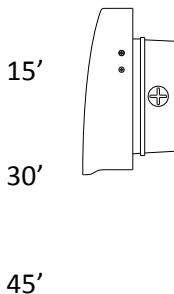
* Note: Model LEDWPCA120W-3K is not DLC listed, and luminaire lumens are estimated at 95% of LEDWPCA120W-4K lumens.

PHOTOMETRIC DATA

LEDWPCA80W-5K (9,241 Lumens)



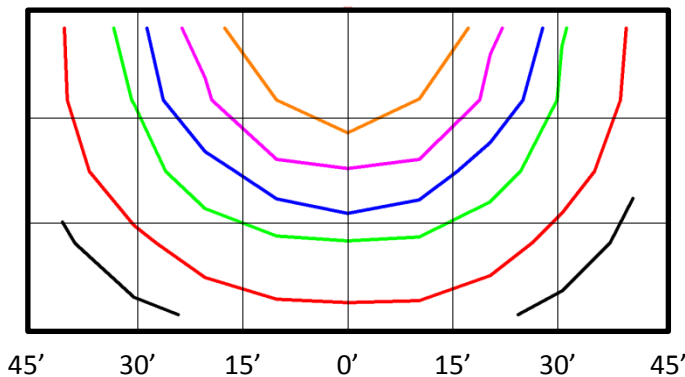
0' Luminaire Orientation:



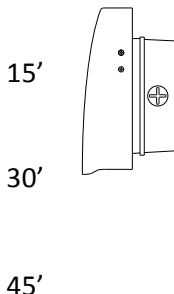
BUG Rating: B3-U0-G1

Zone	Lumens	%
FL - Front - Low (0-30)	1,541	17%
FM - Front - Medium (30-60)	2,653	29%
FH - Front - High (60-80)	689	7%
FVH - Front - Very High (80-90)	40	0%
Total Forward Light	4,923	53%
BL - Back - Low (0-30)	1,596	17%
BM - Back - Medium (30-60)	2,158	23%
BH - Back - High (60-80)	515	6%
BVH - Back - Very High (80-90)	49	1%
Total Back Light	4,318	47%
UL - Up Light - Low (90-100)	0	0%
UH - Up Light - High (100-180)	0	0%
Total Up Light	0	0%
Total Lumens	9,241	100%

LEDWPCA120W-5K (14,227 Lumens)



0' Luminaire Orientation:



BUG Rating: B3-U0-G1

Zone	Lumens	%
FL - Front - Low (0-30)	2,307	16%
FM - Front - Medium (30-60)	3,961	28%
FH - Front - High (60-80)	1,061	7%
FVH - Front - Very High (80-90)	66	0%
Total Forward Light	7,394	52%
BL - Back - Low (0-30)	2,467	17%
BM - Back - Medium (30-60)	3,531	25%
BH - Back - High (60-80)	768	5%
BVH - Back - Very High (80-90)	67	0%
Total Back Light	6,833	48%
UL - Up Light - Low (90-100)	0	0%
UH - Up Light - High (100-180)	0	0%
Total Up Light	0	0%
Total Lumens	14,227	100%

Foot Candles

- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Notes:

- Isofootcandle plots depict initial footcandles at grade.
- Gridlines represent units of mounting height of 15 feet.