LEDWPCA30W/50W

30 & 50 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}).***
- *LEDWPCA30W delivers 3,099 lumens & 111 lumens per watt (LPW) at 3000k; 3,239 lumens & 116 LPW at 4000k; and 3,298 lumens & 118 LPW at 5000k.**
- *LEDWPCA50W delivers 4,920 lumens & 100 LPW at 3000k; 5,193 lumens & 106 LPW 4000k, and 5,287 lumens & 108 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 ½" rigid electrical conduit, or for button photocells.*
- *Easy installation in new construction or retrofit.*

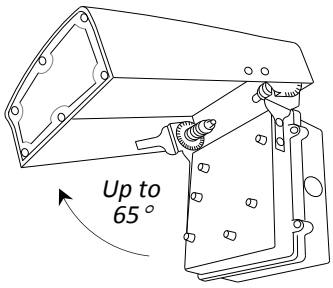
** Contact factory for other color temperatures and lumen packages.*
*** L_{70} hours are IES TM-21-11 calculated hours.*

WARRANTY & LISTINGS

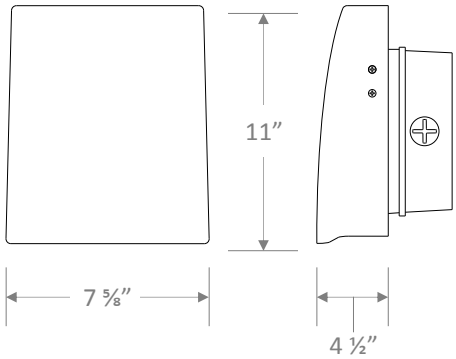
- *cULus listed for wet locations (-20°C to 40°C / -4°F to 104°F).*
- *IP65 rated.*
- *DLC standard approved.*
- *Complies with FCC Part 15 class B.*
- *Complies with EN61000-4-5, surge immunity (1kV).*
- *5-year warranty on all electronics and housing.*

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: 4.0 lb.

ORDERING INFORMATION

Model	Color Temperature	Luminaire Lumens	Luminaire Watts	Lumens Per Watt
LEDWPCA30W-3K	3000k	3,099	28	111
LEDWPCA30W-4K	4000k	3,239	28	116
LEDWPCA30W-5K	5000k	3,298	28	118
LEDWPCA50W-3K	3000k	4,920	49	100
LEDWPCA50W-4K	4000k	5,193	49	106
LEDWPCA50W-5K	5000k	5,287	49	108

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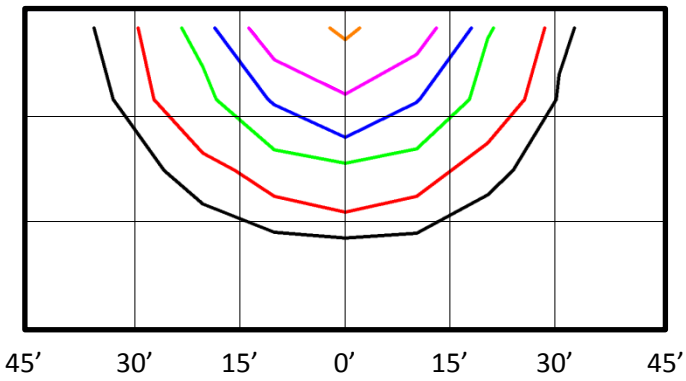
ELECTRICAL

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			
LEDWPCA30W-3K	3000k	> 80	3,099	28	111	120-277	0.23	0.12	0.10	> 90%	< 20%	69,000
LEDWPCA30W-4K	4000k	> 80	3,239	28	116	120-277	0.23	0.12	0.10	> 90%	< 20%	69,000
LEDWPCA30W-5K	5000k	> 80	3,298	28	118	120-277	0.23	0.12	0.10	> 90%	< 20%	69,000
LEDWPCA50W-3K	3000k	> 80	4,920	49	100	120-277	0.41	0.20	0.18	> 90%	< 20%	69,000
LEDWPCA50W-4K	4000k	> 80	5,193	49	106	120-277	0.41	0.20	0.18	> 90%	< 20%	69,000
LEDWPCA50W-5K	5000k	> 80	5,287	49	108	120-277	0.41	0.20	0.18	> 90%	< 20%	69,000

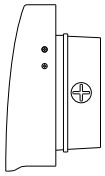
[1] Color rendering index.
[2] All 50-60Hz.
[3] Total harmonic distortion.
[4] L_{70} refers to the number of hours at which lumen output declines to 70% of the initial level. L_{70} hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA

LEDWPCA30W-5K (3,298 Lumens)



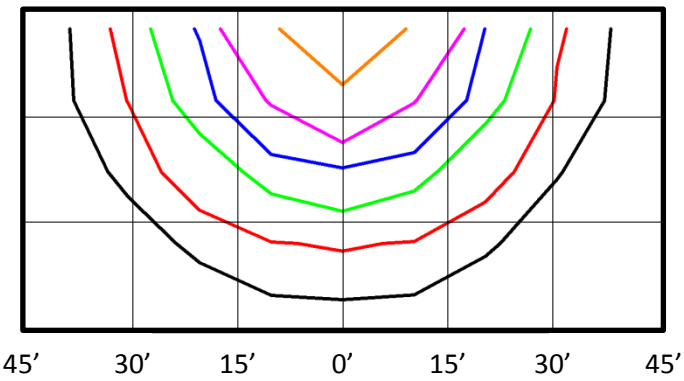
Luminaire Orientation:



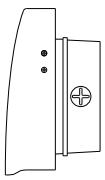
BUG Rating: B2-U0-G1

Zone		Lumens	%
FL	- Front - Low (0-30)	565	17%
FM	- Front - Medium (30-60)	895	27%
FH	- Front - High (60-80)	214	6%
FVH	- Front - Very High (80-90)	9	0%
Total Forward Light		**1,683**	**51%**
BL	- Back - Low (0-30)	550	17%
BM	- Back - Medium (30-60)	836	25%
BH	- Back - High (60-80)	210	6%
BVH	- Back - Very High (80-90)	20	1%
Total Back Light		**1,615**	**49%**
UL	- Up Light - Low (90-100)	0	0%
UH	- Up Light - High (100-180)	0	0%
Total Up Light		**0**	**0%**
Total Lumens		**3,298**	**100%**

LEDWPCA50W-5K (5,287 Lumens)



Luminaire Orientation:



BUG Rating: B2-U0-G1

Zone		Lumens	%
FL	- Front - Low (0-30)	980	19%
FM	- Front - Medium (30-60)	1,699	32%
FH	- Front - High (60-80)	443	8%
FVH	- Front - Very High (80-90)	25	0%
Total Forward Light		**3,147**	**60%**
BL	- Back - Low (0-30)	779	15%
BM	- Back - Medium (30-60)	1,070	20%
BH	- Back - High (60-80)	264	5%
BVH	- Back - Very High (80-90)	27	1%
Total Back Light		**2,140**	**40%**
UL	- Up Light - Low (90-100)	0	0%
UH	- Up Light - High (100-180)	0	0%
Total Up Light		**0**	**0%**
Total Lumens		**5,287**	**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.*