

Project:	
Type:	
Catalog #:	



## STANDARD



The FWPCA 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 FWPCA 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 ( $L_{70}$ ).\*\*
- FWPCA30W 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.\*
- FWPCA50W 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  $\frac{1}{2}$ " rigid electrical conduit, or for button photocells.
- Easy installation in new construction or retrofit.

\*Contact factory for other color temperatures and lumen packages.

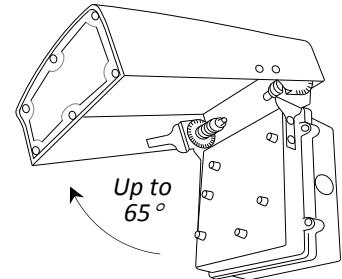
\*\* $L_{70}$  hours are IES TM-21-11 calculated hours.

## WARRANTY &amp; LISTINGS

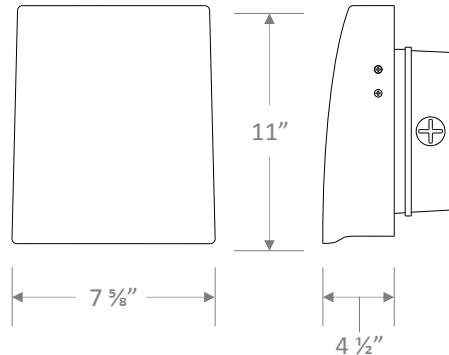
- cULus listed for wet locations (-20°C to 40°C / -4°F to 104°F).
- IP65 rated.
- DLC standard approved.
- Complies with FCC Part 15 class B.
- Complies with EN61000-4-5, surge immunity (1kV).
- 5-year warranty on all electronics and housing.

## 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
FWPCA30W-3K	3000k	3,099	28	111
FWPCA30W-4K	4000k	3,239	28	116
FWPCA30W-5K	5000k	3,298	28	118
FWPCA50W-3K	3000k	4,920	49	100
FWPCA50W-4K	4000k	5,193	49	106
FWPCA50W-5K	5000k	5,287	49	108

### ELECTRICAL

Model	Color Temperature	CRI <sup>1</sup>	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage <sup>2</sup>	Input Current (A)			Power Factor	THD <sup>3</sup>	L <sub>70</sub> Hours <sup>4</sup>
							120V	240V	277V			
FWPCA30W-3K	3000k	> 80	3,099	28	111	120-277	0.23	0.12	0.10	> 90%	< 20%	69,000
FWPCA30W-4K	4000k	> 80	3,239	28	116	120-277	0.23	0.12	0.10	> 90%	< 20%	69,000
FWPCA30W-5K	5000k	> 80	3,298	28	118	120-277	0.23	0.12	0.10	> 90%	< 20%	69,000
FWPCA50W-3K	3000k	> 80	4,920	49	100	120-277	0.41	0.20	0.18	> 90%	< 20%	69,000
FWPCA50W-4K	4000k	> 80	5,193	49	106	120-277	0.41	0.20	0.18	> 90%	< 20%	69,000
FWPCA50W-5K	5000k	> 80	5,287	49	108	120-277	0.41	0.20	0.18	> 90%	< 20%	69,000

<sup>1</sup> Color rendering index.

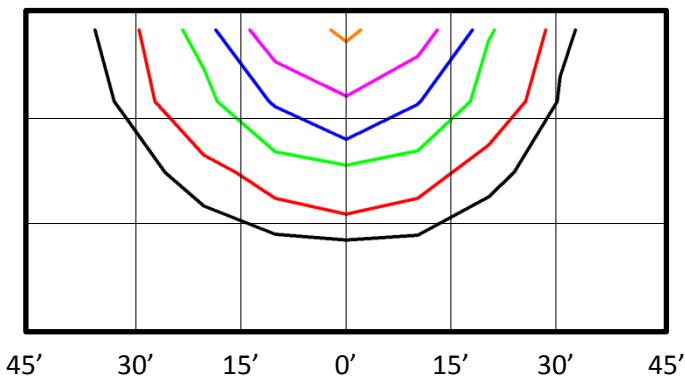
<sup>2</sup> All 50-60Hz.

<sup>3</sup> Total harmonic distortion.

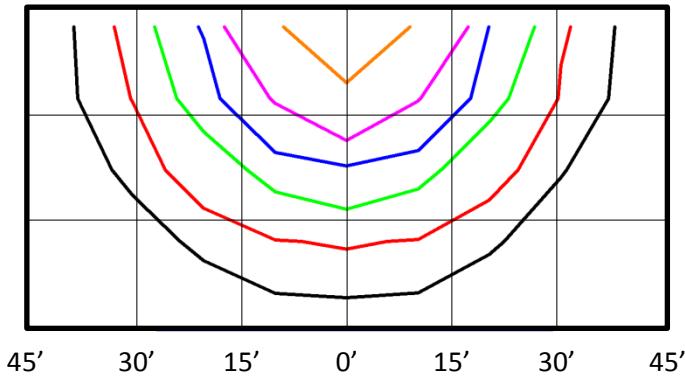
<sup>4</sup> L<sub>70</sub> refers to the number of hours at which lumen output declines to 70% of the initial level. L<sub>70</sub> hours are IES TM-21-11 calculated hours.

### PHOTOMETRIC DATA

#### FWPCA30W-5K (3,298 Lumens)



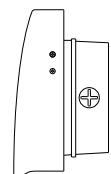
#### FWPCA50W-5K (5,287 Lumens)



#### Notes:

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

0' Luminaire Orientation:

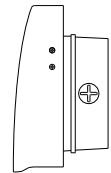


15' 30' 45'

#### 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%
<b>Total Forward Light</b>	<b>1,683</b>	<b>51%</b>
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%
<b>Total Back Light</b>	<b>1,615</b>	<b>49%</b>
UL - Up Light - Low (90-100)	0	0%
UH - Up Light - High (100-180)	0	0%
<b>Total Up Light</b>	<b>0</b>	<b>0%</b>
<b>Total Lumens</b>	<b>3,298</b>	<b>100%</b>

0' Luminaire Orientation:



15' 30' 45'

#### 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%
<b>Total Forward Light</b>	<b>3,147</b>	<b>60%</b>
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%
<b>Total Back Light</b>	<b>2,140</b>	<b>40%</b>
UL - Up Light - Low (90-100)	0	0%
UH - Up Light - High (100-180)	0	0%
<b>Total Up Light</b>	<b>0</b>	<b>0%</b>
<b>Total Lumens</b>	<b>5,287</b>	<b>100%</b>