

FWPCA80W/120W

80 & 120 Watt Adjustable
Full Cutoff Area Light



| | |
|------------|--|
| 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}).^{**}
- FWPCA80W 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.*
- FWPCA120W 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.

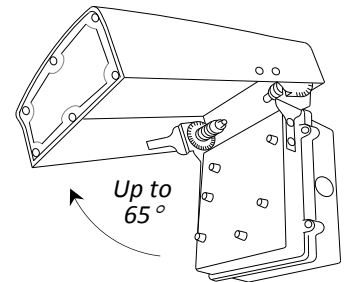


WARRANTY & LISTINGS

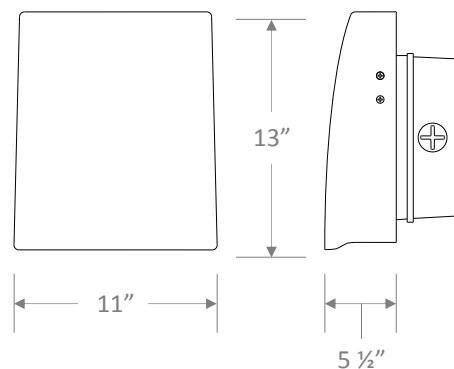
- cULus listed for wet locations (-20°C to 40°C / -4°F to 104°F).
- IP65 rated.
- DLC standard approved.
- Complies with FCC Part 15 class B.
- Complies with EN61000-4-5, surge immunity (2kV FWPCA80W, 4kV FWPCA120W).
- 5-year warranty on all electronics and housing.

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 |
|--------------|-------------------|------------------|-----------------|-----------------|
| FWPCA80W-3K | 3000k | 8,821 | 80 | 110 |
| FWPCA80W-4K | 4000k | 9,056 | 80 | 113 |
| FWPCA80W-5K | 5000k | 9,241 | 80 | 116 |
| FWPCA120W-3K | 3000k | 13,796 | 123 | 111 |
| FWPCA120W-4K | 4000k | 13,796 | 123 | 111 |
| FWPCA120W-5K | 5000k | 14,227 | 123 | 115 |

FME Lighting | 877-234-8460 | info@fmelighting.com

Specifications and dimensions subject to change without notice.

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Full Cutoff LED Area Light



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 | | | |
| FWPCA80W-3K | 3000k | > 80 | 8,821 | 110 | 80 | 120-277 | 0.67 | 0.33 | 0.29 | > 90% | < 20% | 69,000 |
| FWPCA80W-4K | 4000k | > 80 | 9,056 | 113 | 80 | 120-277 | 0.67 | 0.33 | 0.29 | > 90% | < 20% | 69,000 |
| FWPCA80W-5K | 5000k | > 80 | 9,241 | 116 | 80 | 120-277 | 0.67 | 0.33 | 0.29 | > 90% | < 20% | 69,000 |
| FWPCA120W-3K | 3000k | > 80 | 13,976 | 111 | 123 | 120-277 | 1.04 | 0.52 | 0.45 | > 90% | < 20% | 69,000 |
| FWPCA120W-4K | 4000k | > 80 | 13,976 | 111 | 123 | 120-277 | 1.04 | 0.52 | 0.45 | > 90% | < 20% | 69,000 |
| FWPCA120W-5K | 5000k | > 80 | 14,227 | 115 | 123 | 120-277 | 1.04 | 0.52 | 0.45 | > 90% | < 20% | 69,000 |

¹ Color rendering index.

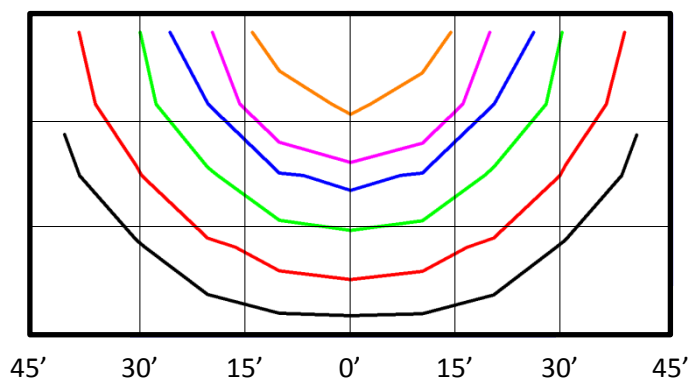
² All 50-60Hz.

³ Total harmonic distortion.

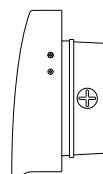
⁴ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA

FWPCA80W-5K (9,241 Lumens)



0' Luminaire Orientation:

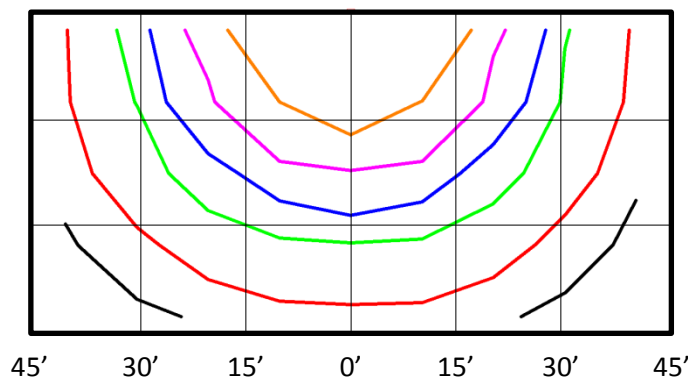


BUG Rating: B3-U0-G1

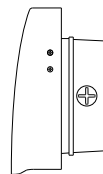
| Zone | Lumens | % |
|---------------------------------|--------------|------------|
| FL - Front - Low (0-30) | 1,541 | 17% |
| FM - Front - Medium (30-60) | 2,653 | 29% |
| FH - Front - High (60-80) | 689 | 7% |
| FVH - Front - Very High (80-90) | 40 | 0% |
| Total Forward Light | 4,923 | 53% |
| 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%

FWPCA120W-5K (14,227 Lumens)



0' Luminaire Orientation:

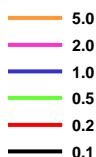


BUG Rating: B3-U0-G1

| 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



Notes:

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