

| MODEL   | LUMINAIRE WATTS | LUMINAIRE LUMENS | LUMENS/WATT | COLOR TEMPERATURE | MOUNTING BRACKETS (ORDER SEPERATELY) | ACCESSORIES (ORDER SEPARATELY)                       |
|---------|-----------------|------------------|-------------|-------------------|--------------------------------------|--|
| FLPRO15 | 15              | 1,624            | 113         | 3K = 3000k        | K = Knuckle Mount<br>Y = Yoke        | LEDMPALPRO15/30/50-FGS = Full Glare Shield, 15 – 50W |
| FLPRO30 | 30              | 3,624            | 119         | 4K = 4000K        |                                      | LEDMPALPRO15/30/50-HGS = Half Glare Shield, 15 – 50W |
| FLPRO50 | 50              | 5,919            | 125         | 5K =5000k         |                                      | LEDMPALPRO15/30/50-WG = Wire Guard, 15 – 50W         |

### APPLICATIONS

Our The FLPRO series is a group of architectural LED area luminaires designed to illuminate parking areas, pathways, building facades, loading docks, and a variety of other general site lighting applications. Multiple mounting options make the FLPRO a versatile luminaire for flood lighting, pole-, ground-, and wall-mounted area lighting, and other outdoor lighting requirements.

### LIFE HOURS

372,000

### FEATURES

- Available in 3000k (warm white), 4000k (neutral white) and 5000k (cool white) color temperatures.\*
- Long-life LEDs provide up to 372,000 hours of operation with at least 70% of initial lumen output (L<sub>70</sub>).\*\*
- Available models provide from 1,592 to 5,919 lumens, and from 110 to 125 lumens per watt (LPW).\*

- Standard optic provides an IES roadway type V distribution, or a 7V (vertical) x 7H (horizontal) NEMA floodlight distribution.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- Power factor > 90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Optional glare shields (full & half) & wire guards are available.
- Die cast aluminum housing with durable, dark bronze powder coat finish.
- Wireway enclosure is sealed with a water-tight, silicon rubber gasket.
- Easy installation in new construction or retrofit applications.

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

\*\* L<sub>70</sub> hours are IES TM-21-11 calculated hours.

### WARRANTY/LISTING

- cULus listed for wet locations in ambient temperatures from -20°C to 45°C (-4°F to 113°F).
- IP66 rated for ingress protection.
- Rated for 3G vibration.
- Lens is IK 8 rated for protection from external impacts.
- Salt fog tested for 1,000 hours (ASTM B117). After salt fog testing, paint rated at 9 per ASTM D1654-05 scratch test.
- Complies with FCC Part 15, class B.
- Complies with EN61000-4-5, surge immunity protection (2kV).
- 5-Year Warranty of all electronics and housing.

### ELECTRIC DATA

| 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 |              |                  |                                    |
| FLPRO15-3K | 3000k             | > 80             | 1,592            | 14              | 110             | 120-277                    | 0.12              | 0.06 | 0.05 | > 90%        | < 20%            | 372,000                            |
| FLPRO15-4K | 4000k             | > 80             | 1,603            | 14              | 111             | 120-277                    | 0.12              | 0.06 | 0.05 | > 90%        | < 20%            | 372,000                            |
| FLPRO15-5K | 5000k             | > 80             | 1,624            | 14              | 113             | 120-277                    | 0.12              | 0.06 | 0.05 | > 90%        | < 20%            | 372,000                            |
| FLPRO30-3K | 3000k             | > 80             | 3,450            | 30              | 114             | 120-277                    | 0.25              | 0.13 | 0.11 | > 90%        | < 20%            | 372,000                            |
| FLPRO30-4K | 4000k             | > 80             | 3,520            | 30              | 116             | 120-277                    | 0.25              | 0.13 | 0.11 | > 90%        | < 20%            | 372,000                            |
| FLPRO30-5K | 5000k             | > 80             | 3,624            | 30              | 119             | 120-277                    | 0.25              | 0.13 | 0.11 | > 90%        | < 20%            | 372,000                            |
| FLPRO50-3K | 3000k             | > 80             | 5,626            | 47              | 119             | 120-277                    | 0.39              | 0.20 | 0.17 | > 90%        | < 20%            | 372,000                            |
| FLPRO50-4K | 4000k             | > 80             | 5,743            | 47              | 121             | 120-277                    | 0.39              | 0.20 | 0.17 | > 90%        | < 20%            | 372,000                            |
| FLPRO50-5K | 5000k             | > 80             | 5,919            | 47              | 125             | 120-277                    | 0.39              | 0.20 | 0.17 | > 90%        | < 20%            | 372,000                            |

<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.

<sup>5</sup> T2 = type II, T3 = type III, T4 = type IV, and T5 = type V.

<sup>6</sup> VN = very narrow, MN = medium narrow, MW = medium wide, and VW = very wide.

### EFFECTIVE PROJECTED AREAS (EPA's)

#### 15W

Front = 0.05 s.f. (knuckle) / 0.06 s.f. (yoke)

Side = 0.07 s.f. (knuckle & yoke)

Face = 0.20 s.f. (knuckle) / 0.23 s.f. (yoke)

#### 30W

Front = 0.12 s.f. (knuckle) / 0.10 s.f. (yoke)

Side = 0.15 s.f. (knuckle) / 0.09 s.f. (yoke)

Face = 0.55 s.f. (knuckle) / 0.42 s.f. (yoke)

#### 50W

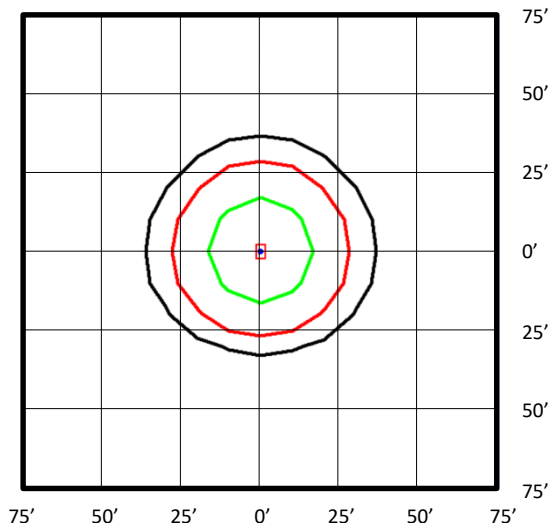
Front = 0.15 s.f. (knuckle) / 0.13 s.f. (yoke)

Side = 0.18 s.f. (knuckle) / 0.13 s.f. (yoke)

Face = 0.73 s.f. (knuckle) / 0.57 s.f. (yoke)

### PHOTOMETRIC DATA

FLPRO-3K (1,592 Lumens, Type V Distribution)



#### Foot Candles

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

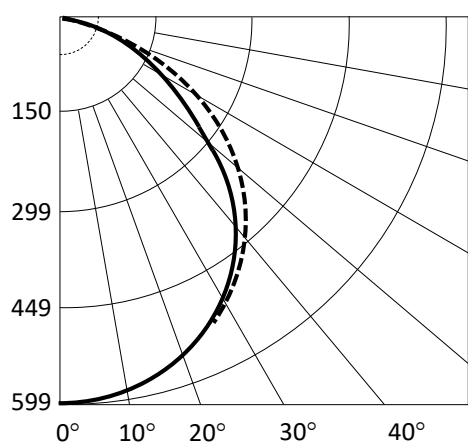


#### Notes:

- Isofootcandle plots depict initial footcandles at grade.
- Gridlines represent units of mounting height of 25 feet.

### BUG Rating: B1-U0-G0

| Zone                            | Lumens       | %           |
|---------------------------------|--------------|-------------|
| FL - Front - Low (0-30)         | 232          | 15%         |
| FM - Front - Medium (30-60)     | 432          | 27%         |
| FH - Front - High (60-80)       | 109          | 7%          |
| FVH - Front - Very High (80-90) | 3            | 0%          |
| <b>Total Forward Light</b>      | <b>776</b>   | <b>49%</b>  |
| BL - Back - Low (0-30)          | 236          | 15%         |
| BM - Back - Medium (30-60)      | 450          | 28%         |
| BH - Back - High (60-80)        | 126          | 8%          |
| BVH - Back - Very High (80-90)  | 5            | 0%          |
| <b>Total Back Light</b>         | <b>816</b>   | <b>51%</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>1,592</b> | <b>100%</b> |



#### NEMA Floodlight Type Data

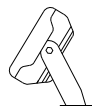
##### Field Angles:

- Horizontal 144°
- Vertical 152°

##### NEMA Type:

- Horizontal 7H
- Vertical 7V

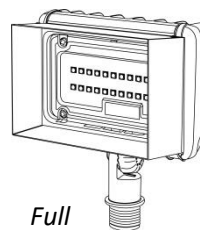
#### Luminaire Orientation:



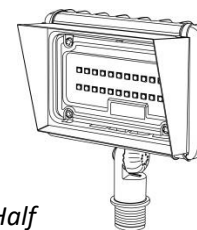
Maximum Candela = 599

- Horizontal
- - - Vertical

#### Shields

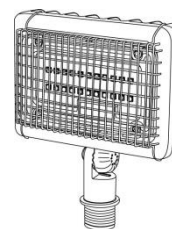


Full



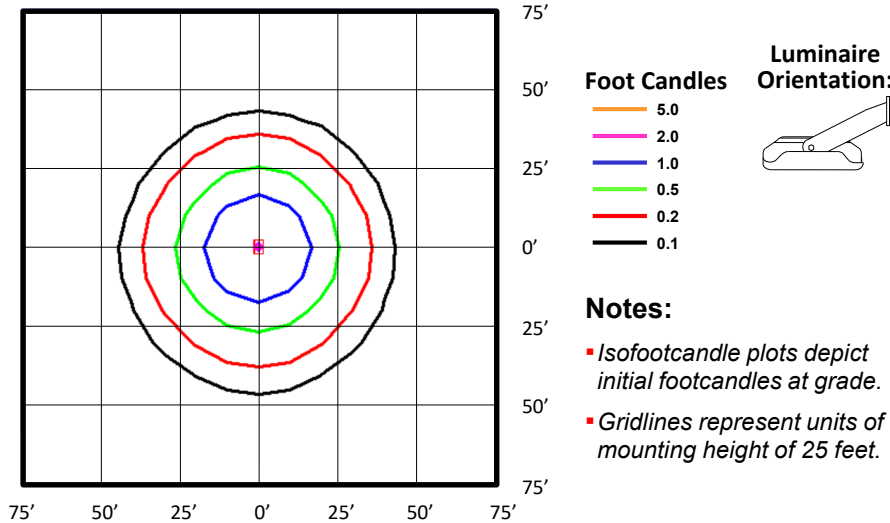
Half

#### Wire Guards



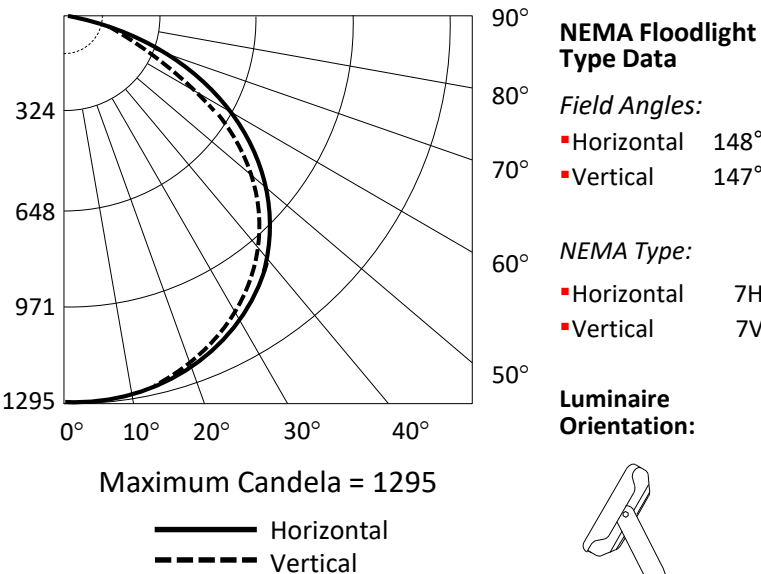
### PHOTOMETRIC DATA

FLPRO50-3K (3,450 Lumens, Type V Distribution)

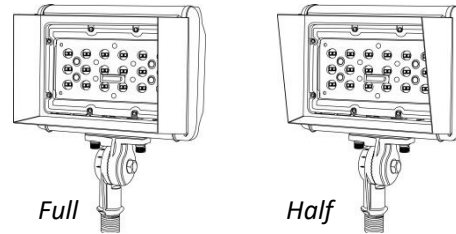


### BUG Rating: B2-U2-G0

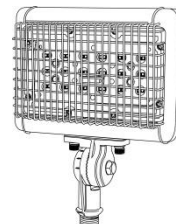
| Zone                            | Lumens       | %           |
|---------------------------------|--------------|-------------|
| FL - Front - Low (0-30)         | 516          | 15%         |
| FM - Front - Medium (30-60)     | 1,017        | 29%         |
| FH - Front - High (60-80)       | 255          | 7%          |
| FVH - Front - Very High (80-90) | 8            | 0%          |
| <b>Total Forward Light</b>      | <b>1,796</b> | <b>52%</b>  |
| BL - Back - Low (0-30)          | 501          | 15%         |
| BM - Back - Medium (30-60)      | 927          | 27%         |
| BH - Back - High (60-80)        | 205          | 6%          |
| BVH - Back - Very High (80-90)  | 6            | 0%          |
| <b>Total Back Light</b>         | <b>1,639</b> | <b>47%</b>  |
| UL - Up Light - Low (90-100)    | 2            | 0%          |
| UH - Up Light - High (100-180)  | 14           | 0%          |
| <b>Total Up Light</b>           | <b>16</b>    | <b>0%</b>   |
| <b>Total Lumens</b>             | <b>3,450</b> | <b>100%</b> |



### Shields

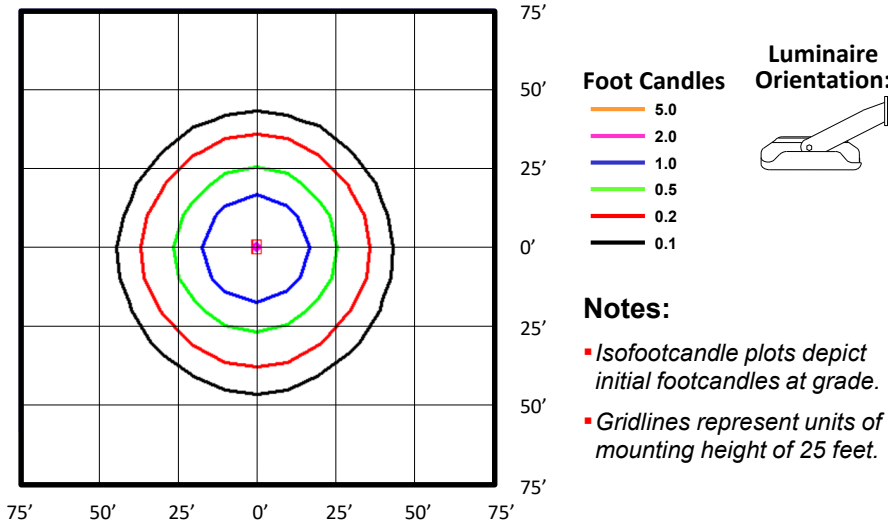


### Wire Guards



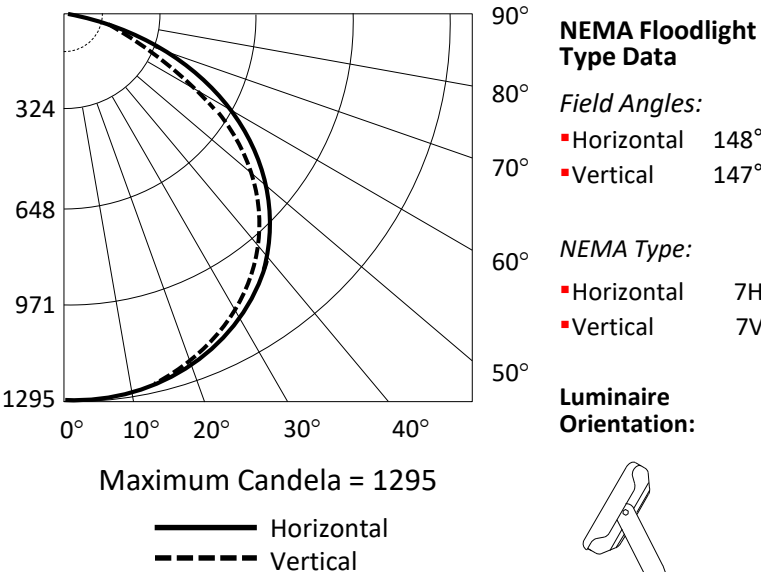
### PHOTOMETRIC DATA

FLPRO30-3K (3,450 Lumens, Type V Distribution)

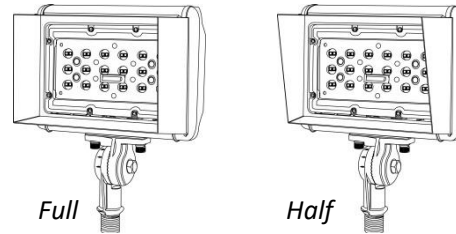


### BUG Rating: B2-U2-G0

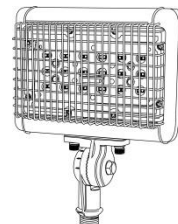
| Zone                            | Lumens       | %           |
|---------------------------------|--------------|-------------|
| FL - Front - Low (0-30)         | 516          | 15%         |
| FM - Front - Medium (30-60)     | 1,017        | 29%         |
| FH - Front - High (60-80)       | 255          | 7%          |
| FVH - Front - Very High (80-90) | 8            | 0%          |
| <b>Total Forward Light</b>      | <b>1,796</b> | <b>52%</b>  |
| BL - Back - Low (0-30)          | 501          | 15%         |
| BM - Back - Medium (30-60)      | 927          | 27%         |
| BH - Back - High (60-80)        | 205          | 6%          |
| BVH - Back - Very High (80-90)  | 6            | 0%          |
| <b>Total Back Light</b>         | <b>1,639</b> | <b>47%</b>  |
| UL - Up Light - Low (90-100)    | 2            | 0%          |
| UH - Up Light - High (100-180)  | 14           | 0%          |
| <b>Total Up Light</b>           | <b>16</b>    | <b>0%</b>   |
| <b>Total Lumens</b>             | <b>3,450</b> | <b>100%</b> |



### Shields

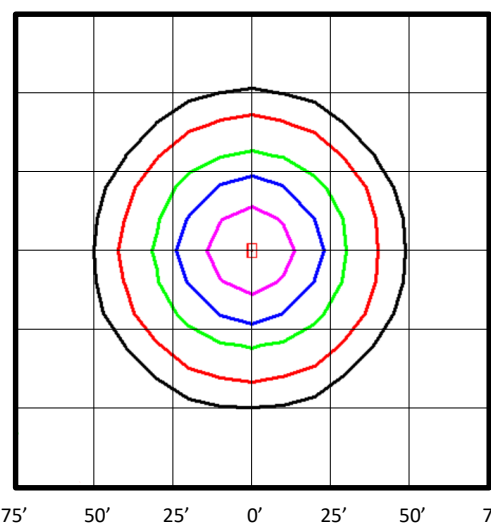


### Wire Guards



### PHOTOMETRIC DATA

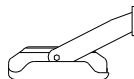
FLPRO50-3K (5,626 Lumens, Type V Distribution)



**Foot Candles**

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

**Luminaire Orientation:**

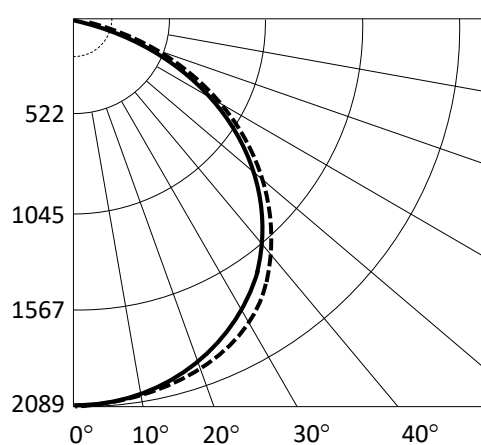


**Notes:**

- Isofootcandle plots depict initial footcandles at grade.
- Gridlines represent units of mounting height of 25 feet.

**BUG Rating: B2-U2-G1**

| Zone                            | Lumens       | %           |
|---------------------------------|--------------|-------------|
| FL - Front - Low (0-30)         | 821          | 15%         |
| FM - Front - Medium (30-60)     | 1,551        | 28%         |
| FH - Front - High (60-80)       | 405          | 7%          |
| FVH - Front - Very High (80-90) | 12           | 0%          |
| <b>Total Forward Light</b>      | <b>2,788</b> | <b>50%</b>  |
| BL - Back - Low (0-30)          | 824          | 15%         |
| BM - Back - Medium (30-60)      | 1,583        | 28%         |
| BH - Back - High (60-80)        | 400          | 7%          |
| BVH - Back - Very High (80-90)  | 11           | 0%          |
| <b>Total Back Light</b>         | <b>2,818</b> | <b>50%</b>  |
| UL - Up Light - Low (90-100)    | 2            | 0%          |
| UH - Up Light - High (100-180)  | 18           | 0%          |
| <b>Total Up Light</b>           | <b>20</b>    | <b>0%</b>   |
| <b>Total Lumens</b>             | <b>5,626</b> | <b>100%</b> |



**NEMA Floodlight Type Data**

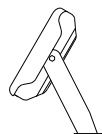
*Field Angles:*

- Horizontal 148°
- Vertical 150°

*NEMA Type:*

- Horizontal 7H
- Vertical 7V

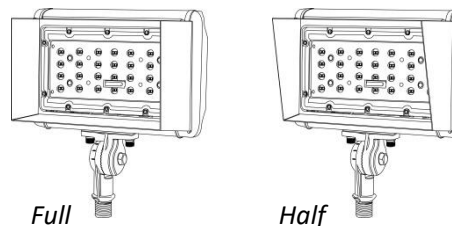
**Luminaire Orientation:**



Maximum Candela = 2089

- Horizontal
- - - Vertical

**Shields**



**Wire Guards**

