Lumencia™
Multi-Unit Residential Lighting

Job Name:
Type:
Part #:
Notes:

# LLEDMPALPRO15-50

## 15-50 Watt, Premium Multi-Purpose LED Area Flood

***STANDARD***

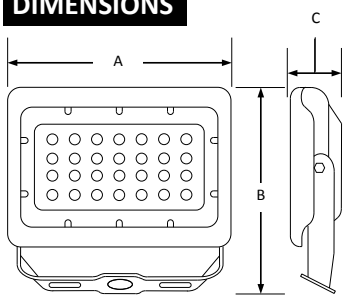
cULus | DLC PREMIUM | FCC | WET | 2kV Surge Protection | IP66

## 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 ($L_{70}$).*
- 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.

** L70 hours are IES TM-21-11 calculated hours.*

## DIMENSIONS




| Weight & Dimensions | A | B | C | Weight (lbs) |
|---|---|---|---|---|
| 15W | 4 ¾ | 5 ¾" | 1 ½" | 1.1 |
| 30W | 7 ¼ | 7" | 1 ⅝" | 2.5 |
| 50W | 8 ½" | 8" | 1 ⅞" | 3.6 |

## MOUNTING OPTIONS

- Aluminum die-cast knuckle-mount option is installed on a junction box. Includes ½" NPS stem with locking nut.
- Yoke-mount option provides secure attachment to flat surfaces.

## WARRANTY & LISTINGS

- cULus listed for wet locations in ambient temperatures from -20°C to 45°C (-4°F to 113°F).
- IP66 rated for ingress protection.
- DLC premium approved.
- 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.

## 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)

| Model | Wattage | Color Temp. | Mounting Options | Accessories |
|---|---|---|---|---|
| LLEDMPALPRO | 15W<br>30W<br>50W | 30K<br>40K<br>50K | **K-**Knuckle Mount<br>**Y-**Yoke Mount | **FGS-** Full Glare Shield<br>**HGS-** Half Glare Shield<br>**WG-** Wire Guard |

May be available with other voltage, wattage, and finish options by special order. Please contact your Lumencia Representative for more information

2021.01

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Multi-Unit Residential Lighting

Job Name:

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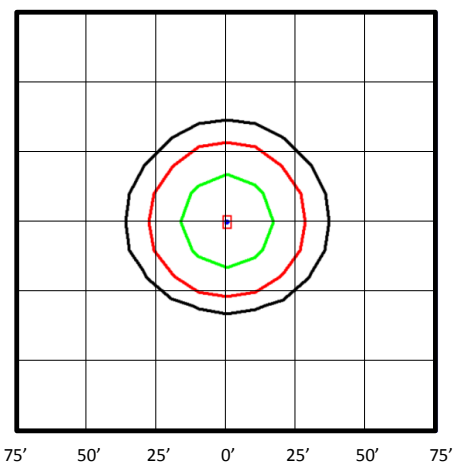
## ELECTRICAL DATA

| 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 | | | |
| LLEDMPALPRO15-3K | 3000k | > 80 | 1,592 | 14 | 110 | 120-277 | 0.12 | 0.06 | 0.05 | > 90% | < 20% | 372,000 |
| LLEDMPALPRO15-4K | 4000k | > 80 | 1,603 | 14 | 111 | 120-277 | 0.12 | 0.06 | 0.05 | > 90% | < 20% | 372,000 |
| LLEDMPALPRO15-5K | 5000k | > 80 | 1,624 | 14 | 113 | 120-277 | 0.12 | 0.06 | 0.05 | > 90% | < 20% | 372,000 |
| LLEDMPALPRO30-3K | 3000k | > 80 | 3,450 | 30 | 114 | 120-277 | 0.25 | 0.13 | 0.11 | > 90% | < 20% | 372,000 |
| LLEDMPALPRO30-4K | 4000k | > 80 | 3,520 | 30 | 116 | 120-277 | 0.25 | 0.13 | 0.11 | > 90% | < 20% | 372,000 |
| LLEDMPALPRO30-5K | 5000k | > 80 | 3,624 | 30 | 119 | 120-277 | 0.25 | 0.13 | 0.11 | > 90% | < 20% | 372,000 |
| LLEDMPALPRO50-3K | 3000k | > 80 | 5,626 | 47 | 119 | 120-277 | 0.39 | 0.20 | 0.17 | > 90% | < 20% | 372,000 |
| LLEDMPALPRO50-4K | 4000k | > 80 | 5,743 | 47 | 121 | 120-277 | 0.39 | 0.20 | 0.17 | > 90% | < 20% | 372,000 |
| LLEDMPALPRO50-5K | 5000k | > 80 | 5,919 | 47 | 125 | 120-277 | 0.39 | 0.20 | 0.17 | > 90% | < 20% | 372,000 |

[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

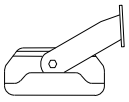
### LLEDMPALPRO15-3K (1,592 Lumens, Type V Distribution)




**Foot Candles**

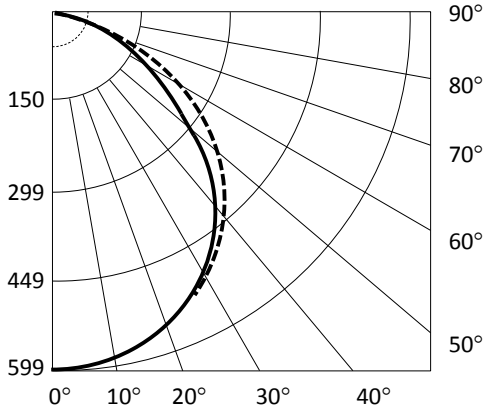
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

**Luminaire Orientation:**



**Notes:**

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




Maximum Candela = 599

Horizontal

Vertical

**NEMA Floodlight Type Data**

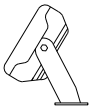
*Field Angles:*

- Horizontal 144°
- Vertical 152°

*NEMA Type:*

- Horizontal 7H
- Vertical 7V

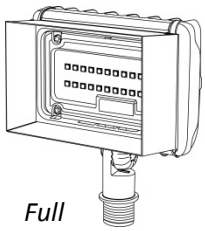
**Luminaire Orientation:**



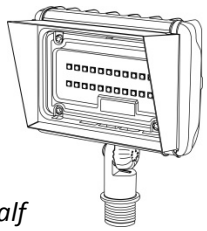
**BUG Rating: B1-U0-G0**

| 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% |
| **Total Forward Light** | | **776** | **49%** |
| 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% |
| **Total Back Light** | | **816** | **51%** |
| UL | - Up Light - Low (90-100) | 0 | 0% |
| UH | - Up Light - High (100-180) | 0 | 0% |
| **Total Up Light** | | **0** | **0%** |
| **Total Lumens** | | **1,592** | **100%** |

**Shields**

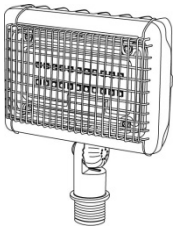


*Full*



*Half*

**Wire Guards**



2021.02

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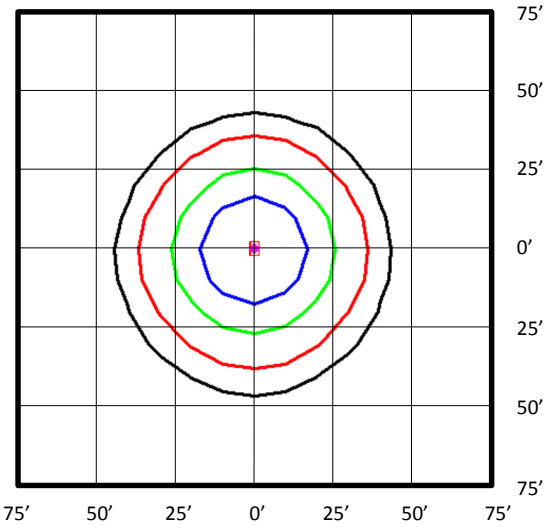
Job Name:
Type:
Part #:
Notes:

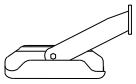
## PHOTOMETRIC DATA

### LLEDMPALPRO30-3K (3,450 Lumens, Type V Distribution)




**Foot Candles**
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

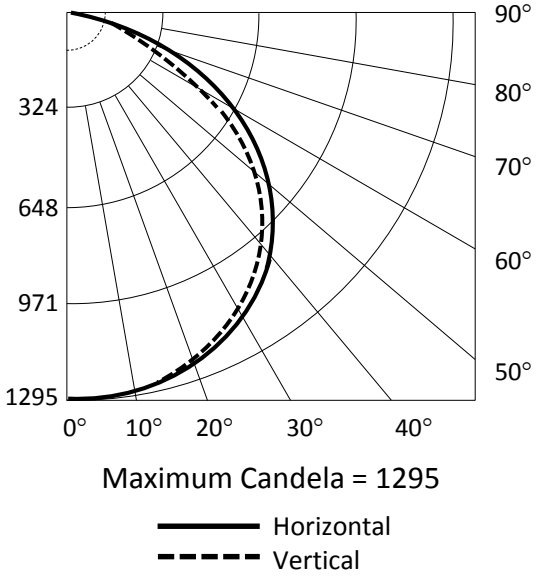
**Luminaire Orientation:**



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

**BUG Rating: B2-U2-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% |
| **Total Forward Light** | | **1,796** | **52%** |
| 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% |
| **Total Back Light** | | **1,639** | **47%** |
| UL | - Up Light - Low (90-100) | 2 | 0% |
| UH | - Up Light - High (100-180) | 14 | 0% |
| **Total Up Light** | | **16** | **0%** |
| **Total Lumens** | | **3,450** | **100%** |

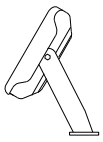



**NEMA Floodlight Type Data**

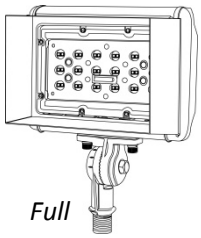
*Field Angles:*
- Horizontal 148°
- Vertical 147°

*NEMA Type:*
- Horizontal 7H
- Vertical 7V

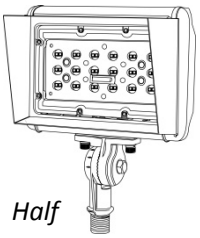
**Luminaire Orientation:**



**Shields**

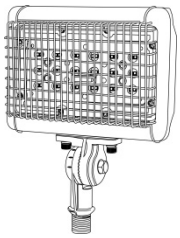


*Full*



*Half*

**Wire Guards**





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Job Name:
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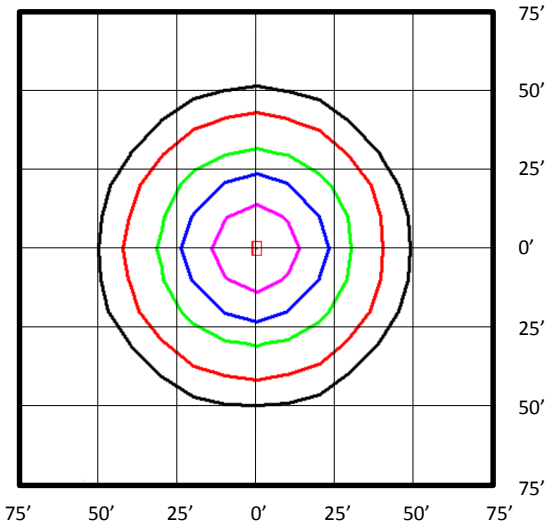
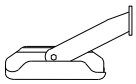
## PHOTOMETRIC DATA

### LLEDMPALPRO50-3K (5,626 Lumens, Type V Distribution)




**Foot Candles**
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

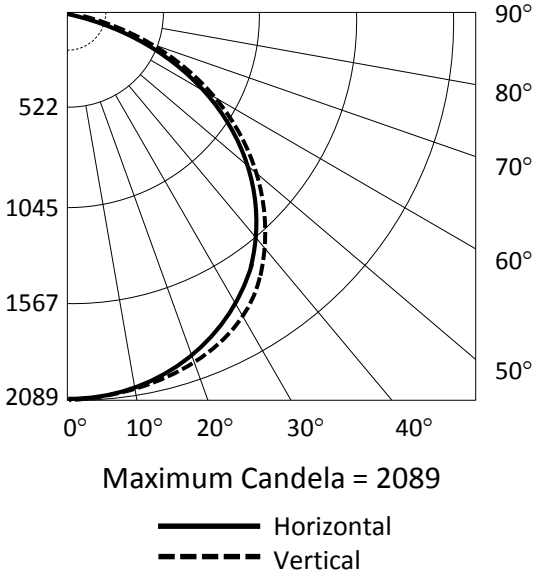
**Luminaire Orientation:**



**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% |
| **Total Forward Light** | | **2,788** | **50%** |
| 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% |
| **Total Back Light** | | **2,818** | **50%** |
| UL | - Up Light - Low (90-100) | 2 | 0% |
| UH | - Up Light - High (100-180) | 18 | 0% |
| **Total Up Light** | | **20** | **0%** |
| **Total Lumens** | | **5,626** | **100%** |

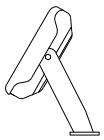



**NEMA Floodlight Type Data**

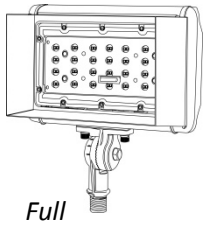
*Field Angles:*
- Horizontal 148°
- Vertical 150°

*NEMA Type:*
- Horizontal 7H
- Vertical 7V

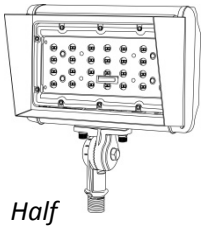
**Luminaire Orientation:**



**Shields**

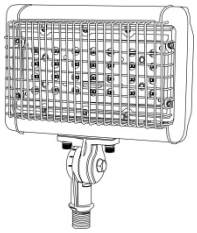


*Full*



*Half*

**Wire Guards**





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