

# JGMPPAL-50 Series

Multi-Purpose Area Light  
CCT Selectable



|             |  |
|-------------|--|
| Project:    |  |
| Type:       |  |
| Catalog # : |  |

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



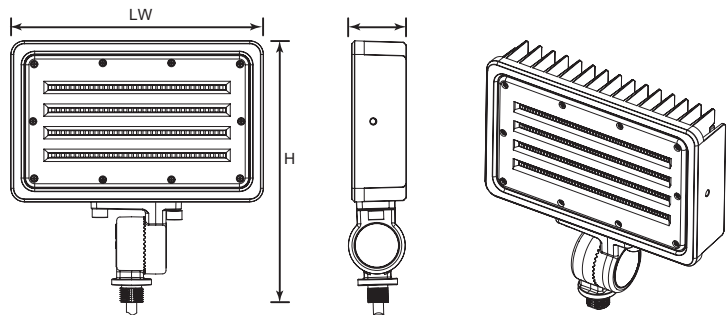
## SPECIFICATIONS

|                   |                                                                            |
|-------------------|----------------------------------------------------------------------------|
| VOLTAGE           | 120-277V AC, 50-60Hz                                                       |
| NOMINAL OUTPUT    | 2,000lm, 4,000lm, 7,000lm (max. 7,200lm)<br>125-156 lumens per watt (LPW)  |
| COLOR TEMP        | Field selectable: 3500K, 4000K, 5000K<br>Contact factory for other options |
| OPERATING TEMP    | -40°C to 50°C (-40°F to 122°F)                                             |
| HOUSING           | Die-cast aluminum with dark bronze powder coat finish                      |
| LENS              | Polycarbonate lens; sealed with watertight silicone rubber gasket          |
| THD               | < 20%                                                                      |
| POWER FACTOR      | >0.9                                                                       |
| CRI               | > 80                                                                       |
| COLOR MAINTENANCE | LED chromaticity shift < 0.002 Δu'v' over first 6,000 hours                |
| DISTRIBUTION      | IES Type V (roadway); or 7V x 7H NEMA floodlight distribution              |
| LED LIFESPAN      | L70: up to 149,000 hours (per IES TM-21-11)                                |
| DIMMING           | 0-10V Dimming                                                              |
| PROTECTION        | 4kV surge immunity (EN61000-4-5); IP65 +IK10                               |
| WARRANTY          | 5 Year Limited Warranty                                                    |

## CERTIFICATIONS

- cULus listed for wet locations.
- Complies with FCC part 15, class A.
- Lens is IK10 rated for protection from external impacts.
- IP65 rated for ingress protection.
- Salt fog tested for 1,000 hour (ASTM B117). After salt fog testing, paint rated at 7 per ASTM D1654-05 scratch test.
- DLC premium listed.

## DIMENSIONS



| Model          | L (in) | W (in) | H (in) | Weight (lbs) |
|----------------|--------|--------|--------|--------------|
| JGMPPAL-50-2-V | 4.3    | 1.7    | 5.8    | 1            |
| JGMPPAL-50-4-V | 8.7    | 1.9    | 9      | 4            |
| JGMPPAL-50-7-V | 8.7    | 1.9    | 9      | 4            |

## LUMENS & OPTICS

\*See Page 2 for All Photometry Diagrams.

## ORDERING INFORMATION

### ORDERING GUIDE

| Series     | Lumen Output                              | CCT            | Mounting                                                                                                      | Options                        |
|------------|-------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------|--------------------------------|
| JGMPPAL-50 | 2 = 2,000lm<br>4 = 4,000lm<br>7 = 7,000lm | V = Adjustable | K = Knuckle Mount (Standard)<br>Y = Yoke Mount <sup>1</sup><br>CMR = Round canopy mounting plate <sup>2</sup> | GS = Line Votager Ground Stake |

1 - Only the JGMPPAL-50-4 & JGMPPAL-50-7

2 - Suitable to mount 1/2" swivel arm and use with standard 4" round junction box.

\* Cords and Plug options are no longer installed in production. Please contact factory for options



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Specifications and dimensions subject to change without notice.

## EFFECTIVE PROJECTED AREAS (EPA'S)

| Series             | KNUCK MOUNT |            |            | YOKE MOUNT  |            |            |
|--------------------|-------------|------------|------------|-------------|------------|------------|
|                    | Front (ft²) | Side (ft²) | Face (ft²) | Front (ft²) | Side (ft²) | Face (ft²) |
| JGMPPAL-50-2-V     | 0.17        | 0.07       | 0.05       | -           | -          | -          |
| JGMPPAL-50-4 / 7-V | 0.54        | 0.12       | 0.11       | 0.44        | 0.09       | 0.12       |

## LUMEN TABLE

| Series     | Measurements | JGMPPAL-50-2 |       |       | JGMPPAL-50-4 |       |       | JGMPPAL-50-7 |       |       |
|------------|--------------|--------------|-------|-------|--------------|-------|-------|--------------|-------|-------|
|            |              | 3500K        | 4000K | 5000K | 3500K        | 4000K | 5000K | 3500K        | 4000K | 5000K |
| JGMPPAL-50 | Lumens       | 2002         | 2179  | 2085  | 4436         | 4696  | 4526  | 6601         | 7170  | 6884  |
|            | Watt         | 16           | 15    | 16    | 31           | 30    | 31    | 52           | 49    | 51    |
|            | Efficacy     | 125          | 145   | 132   | 142          | 156   | 145   | 126          | 147   | 134   |

## ELECTRICAL DATA

| Series     | CCT   | Input Amps (A) |      |      |              |      |      |              |      |      |
|------------|-------|----------------|------|------|--------------|------|------|--------------|------|------|
|            |       | JGMPPAL-50-2   |      |      | JGMPPAL-50-4 |      |      | JGMPPAL-50-7 |      |      |
|            |       | 120V           | 240V | 277V | 120V         | 240V | 277V | 120V         | 240V | 277V |
| JGMPPAL-50 | 3500K | 0.13           | 0.07 | 0.06 | 0.26         | 0.13 | 0.11 | 0.43         | 0.22 | 0.19 |
|            | 4000K | 0.13           | 0.06 | 0.05 | 0.25         | 0.13 | 0.11 | 0.41         | 0.20 | 0.18 |
|            | 5000K | 0.13           | 0.07 | 0.06 | 0.26         | 0.13 | 0.11 | 0.43         | 0.21 | 0.18 |

### PHOTOMETRY

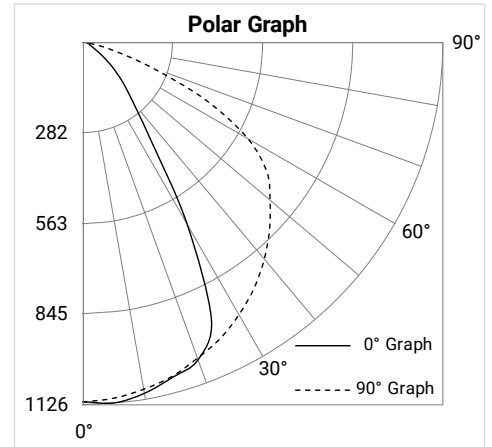
#### JGMPPAL-50-2-V

##### Luminaire Data

|                                |                                         |
|--------------------------------|-----------------------------------------|
| Description                    | Multi Purpose Area Light<br>2000 Lumens |
| Total Lumens                   | 2,002                                   |
| Input Wattage                  | 16                                      |
| Efficacy (lm/W)                | 126                                     |
| Max. Cd.                       | 1131.47 (337.5H, 6V)                    |
| IES Classification             | Type I                                  |
| Longitudinal<br>Classification | Very Short                              |

##### Luminaire Classification Systems (LCS)

| LCS Zone     | Lumens       | %Lum          |
|--------------|--------------|---------------|
| FL 0-30      | 438          | 21.9%         |
| FM 30-60     | 488          | 24.4%         |
| FH 60-80     | 74           | 3.7%          |
| FVH 80-90    | 3            | 0.2%          |
| BL 0-30      | 434          | 21.7%         |
| BM 30-60     | 491          | 24.5%         |
| BH 60-80     | 71           | 3.6%          |
| BVH 80-90    | 3            | 0.1%          |
| UL 90-100    | 0            | 0.0%          |
| UH 100-180   | 0            | 0.0%          |
| <b>Total</b> | <b>2,002</b> | <b>100.0%</b> |
| BUG Rating   | B1-U0-G0     |               |



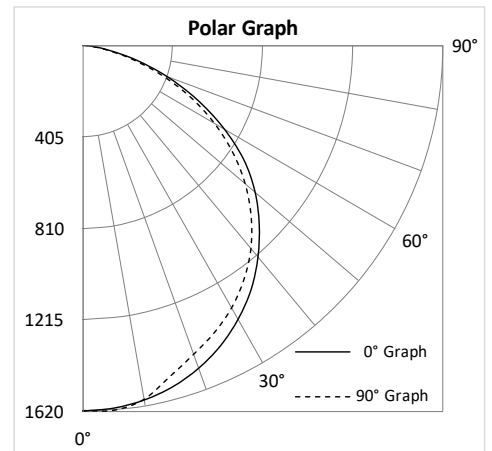
#### JGMPPAL-50-4-V

##### Luminaire Data

|                                |                                         |
|--------------------------------|-----------------------------------------|
| Description                    | Multi Purpose Area Light<br>4000 Lumens |
| Total Lumens                   | 4,436                                   |
| Input Wattage                  | 31                                      |
| Efficacy (lm/W)                | 142                                     |
| Max. Cd.                       | 1625.57 (112.5H, 5V)                    |
| IES Classification             | Type VS                                 |
| Longitudinal<br>Classification | Very Short                              |

##### Luminaire Classification Systems (LCS)

| LCS Zone     | Lumens       | %Lum         |
|--------------|--------------|--------------|
| FL 0-30      | 625          | 14.1%        |
| FM 30-60     | 1,190        | 26.8%        |
| FH 60-80     | 372          | 8.4%         |
| FVH 80-90    | 16           | 0.4%         |
| BL 0-30      | 629          | 14.2%        |
| BM 30-60     | 1,205        | 27.2%        |
| BH 60-80     | 383          | 8.6%         |
| BVH 80-90    | 16           | 0.4%         |
| UL 90-100    | 0            | 0.0%         |
| UH 100-180   | 0            | 0.0%         |
| <b>Total</b> | <b>4,436</b> | <b>99.9%</b> |
| BUG Rating   | B2-U0-G1     |              |



#### JGMPPAL-50-7-V

##### Luminaire Data

|                                |                                         |
|--------------------------------|-----------------------------------------|
| Description                    | Multi Purpose Area Light<br>7000 Lumens |
| Total Lumens                   | 6,601                                   |
| Input Wattage                  | 52                                      |
| Efficacy (lm/W)                | 126                                     |
| Max. Cd.                       | 2750.84 (157.5H, 1V)                    |
| IES Classification             | Type VS                                 |
| Longitudinal<br>Classification | Very Short                              |

##### Luminaire Classification Systems (LCS)

| LCS Zone     | Lumens       | %Lum          |
|--------------|--------------|---------------|
| FL 0-30      | 989          | 15.0%         |
| FM 30-60     | 1,783        | 27.0%         |
| FH 60-80     | 519          | 7.9%          |
| FVH 80-90    | 21           | 0.3%          |
| BL 0-30      | 987          | 15.0%         |
| BM 30-60     | 1,774        | 26.9%         |
| BH 60-80     | 510          | 7.7%          |
| BVH 80-90    | 19           | 0.3%          |
| UL 90-100    | 0            | 0.0%          |
| UH 100-180   | 0            | 0.0%          |
| <b>Total</b> | <b>6,601</b> | <b>100.0%</b> |
| BUG Rating   | B2-U0-G1     |               |

