

# JGMLEDMRT300 300 Watt Multi-Purpose LED Area Light



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



Shown with standard trunnion mount



Shown with optional yoke mount

## STANDARD



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

## FEATURES

- Available in 3000k (warm white), 4000K (neutral white) and 5000K (cool white).
- Long-life LEDs provide 57,000 hours of operation with at least 70% of initial lumen output ( $L_{70}$ ).<sup>\*\*</sup>
- Type III models deliver 36,888 lumens & 121 lumens per watt (LPW) at 3000k, 4000k and 5000k.\*
- Type V models deliver 30,857 lumens & 101 LPW at 3000k; 37,597 lumens & 124 LPW at 4000k; and 38,122 lumens & 125 LPW at 5000k.\*
- Universal 120-277 AC voltage (50-60Hz) is standard.
- 0-10vdc dimming capability is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Die cast aluminum housing with durable, dark bronze powder coat finish, and a heat-resistant polycarbonate lens.
- Wireway enclosure is sealed with a water-tight, silicon rubber gasket.
- Effective projected areas (EPA's) are:
  - Front = 0.37 square feet
  - Side = 0.51 square feet
  - Face = 1.74 square feet
- Threaded receptacle (1/2" NPS) for photocell. Optional arms and slip-fitters provide additional photocell mounting options.
- Easy installation in new construction or retrofit applications.

\* 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 (-30°C to 40°C / -22°F to 104°F)
- IP65 rated.
- DLC standard approved.
- Complies with FCC Part 15, Class B.
- Complies with EN61000-4-5, surge immunity (2kV).
- 5-year warranty on all electronics and housing.

## MOUNTING OPTIONS

- Trunnion mount is standard.
- Slip-fitter mount provides attachment to poles (2 3/8" O.D. tenon).
- Steel arm mount provides secure attachment to flat surfaces.
- Yoke mount models are available by special order.



Steel Arm Mount Option

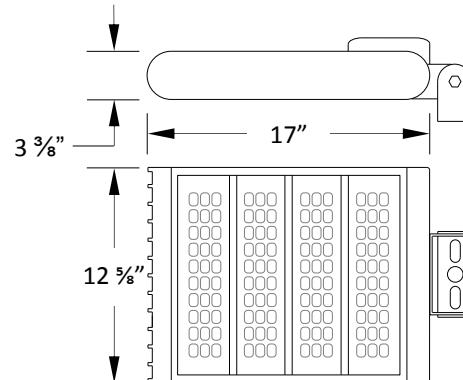


Slip-Fitter Mount Option



Yoke Mount Option

## DIMENSIONS



Weight: 17.3 lb.

## ORDERING INFORMATION

Examples: (Slip-Fitter, Type III): JGMLEDMRTMRT300-T-4K-T3 + JGMLEDMRT-SF-80/300  
(Yoke, Type V): JGMLEDMRT300-Y-4K (no options available)

| Model        | Mounting Type                         | Luminaire Watts | Color Temp.                            | Distribution Type <sup>**</sup>                 | Luminaire Lumens           | Lumens / Watt     | Additional Mounting Options <sup>†</sup> (Order Separately)   |
|--------------|---------------------------------------|-----------------|--|---|----------------------------|-------------------|---|
| JGMLEDMRT300 | T = Trunnion <sup>*</sup><br>Y = Yoke | 304             | 3K = 3000k<br>4K = 4000k<br>5K = 5000k | T3 = Type III<br>T3 = Type III<br>T3 = Type III | 36,888<br>36,888<br>36,888 | 121<br>121<br>121 | Slip-Fitter = JGMLEDMRT-SF-80/300<br>Steel Arm = JGMLEDMRT-A-80/300<br><br>Note: These Mounting Options are not compatible with yoke-mounted models. Slip-fitters and arms use the same mounting hardware as trunnion-mounted models. |

\* Note: For Slip-Fitter or Steel Arm mounting, order a luminaire with the standard Trunnion mount installed (FALLEDMRT300-T), and either the Slip-Fitter (LEDMPAL-SF-80/300) or Steel Arm (FALLEDMRT-A-80/300). The Slip-Fitter and Steel Arm mounts are shipped in separate cartons than the luminaire, and are field-installed after removing the standard Trunnion mount.

\*\* Note: Type V distribution is standard, and requires no order suffix (see example above).

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## ELECTRICAL 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 |              |                  |                                    |
| JGMLEDMRT300-3K-T3 | 3000k             | > 80             | 36,888           | 304             | 121             | 120-277                    | 2.53              | 1.27 | 1.10 | > 90%        | < 20%            | 57,000                             |
| JGMLEDMRT300-4K-T3 | 4000k             | > 80             | 36,888           | 304             | 121             | 120-277                    | 2.53              | 1.27 | 1.10 | > 90%        | < 20%            | 57,000                             |
| JGMLEDMRT300-5K-T3 | 5000k             | > 80             | 36,888           | 304             | 121             | 120-277                    | 2.53              | 1.27 | 1.10 | > 90%        | < 20%            | 57,000                             |
| JGMLEDMRT300-3K    | 3000k             | > 80             | 30,857           | 304             | 101             | 120-277                    | 2.53              | 1.27 | 1.10 | > 90%        | < 20%            | 57,000                             |
| JGMLEDMRT300-4K    | 4000k             | > 80             | 37,597           | 304             | 124             | 120-277                    | 2.53              | 1.27 | 1.10 | > 90%        | < 20%            | 57,000                             |
| JGMLEDMRT300-5K    | 5000k             | > 80             | 38,122           | 304             | 125             | 120-277                    | 2.53              | 1.27 | 1.10 | > 90%        | < 20%            | 57,000                             |

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

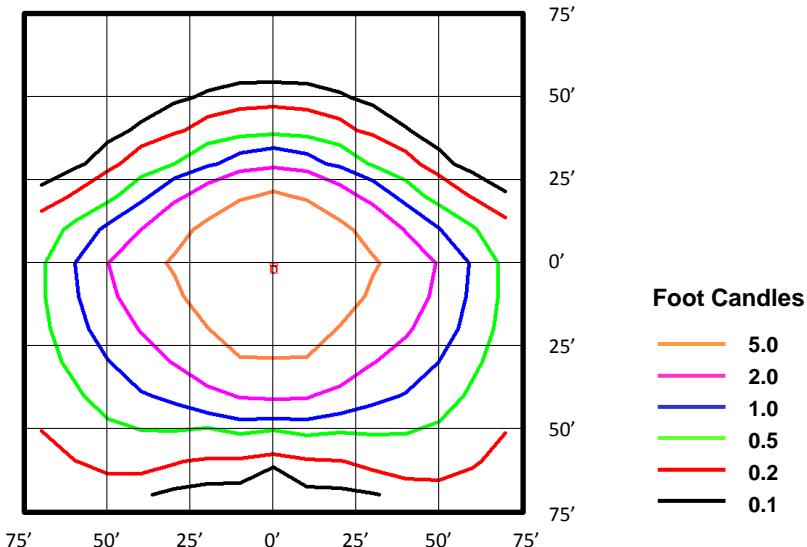
<sup>2</sup> All 50-60Hz.

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

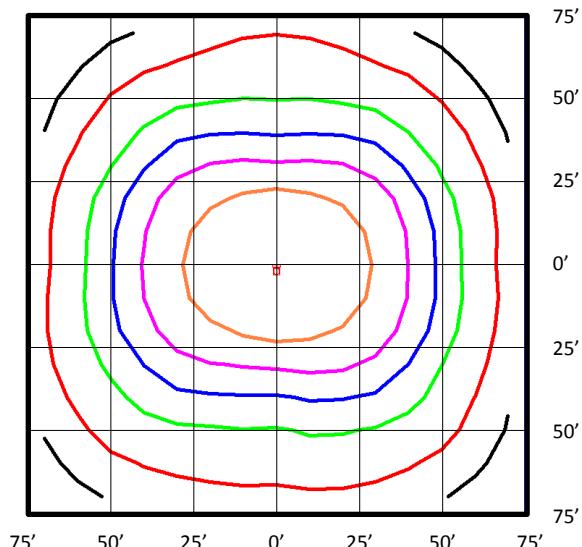
<sup>4</sup> L<sub>70</sub> refers to the number of hours at which lumen output declines to 70% of the initial level. L<sub>70</sub> hours are IES TM-21-11 calculated hours.

## PHOTOMETRIC DATA

JGMLEDMRT300-5K (36,888 Lumens , Type III [T3] Distribution)



JGMLEDMRT300-5K (38,122 Lumens , Type V Distribution)



### Notes:

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

### BUG Rating: B4-U3-G3

| Zone                            | Lumens | %    |
|---------------------------------|--------|------|
| FL - Front - Low (0-30)         | 4,254  | 12%  |
| FM - Front - Medium (30-60)     | 12,518 | 34%  |
| FH - Front - High (60-80)       | 5,719  | 16%  |
| FVH - Front - Very High (80-90) | 283    | 1%   |
| Total Forward Light             | 22,774 | 62%  |
| BL - Back - Low (0-30)          | 4,171  | 11%  |
| BM - Back - Medium (30-60)      | 8,041  | 22%  |
| BH - Back - High (60-80)        | 1,739  | 5%   |
| BVH - Back - Very High (80-90)  | 74     | 0%   |
| Total Back Light                | 14,025 | 38%  |
| UL - Up Light - Low (90-100)    | 5      | 0%   |
| UH - Up Light - High (100-180)  | 84     | 0%   |
| Total Up Light                  | 89     | 0%   |
| Total Lumens                    | 36,888 | 100% |

### BUG Rating: B5-U3-G3

| Zone                            | Lumens | %    |
|---------------------------------|--------|------|
| FL - Front - Low (0-30)         | 4,949  | 13%  |
| FM - Front - Medium (30-60)     | 10,244 | 27%  |
| FH - Front - High (60-80)       | 3,821  | 10%  |
| FVH - Front - Very High (80-90) | 409    | 1%   |
| Total Forward Light             | 19,423 | 51%  |
| BL - Back - Low (0-30)          | 4,755  | 12%  |
| BM - Back - Medium (30-60)      | 10,039 | 26%  |
| BH - Back - High (60-80)        | 3,424  | 9%   |
| BVH - Back - Very High (80-90)  | 376    | 1%   |
| Total Back Light                | 18,595 | 49%  |
| UL - Up Light - Low (90-100)    | 8      | 0%   |
| UH - Up Light - High (100-180)  | 96     | 0%   |
| Total Up Light                  | 104    | 0%   |
| Total Lumens                    | 38,122 | 100% |