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

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 4000K (neutral white) and 5000K (cool white).*
- Long-life LEDs provide at least 58,000 hours of operation with at least 70% of initial lumen output (L_{70}).**
- FALLEDMRT80 delivers 8,591 lumens (110 lumens per watt, LPW) at 4000k, and 9,064 lumens (116 LPW) at 5000k.*
- FALLEDMRT100 T delivers 10,035 lumens (102 LPW) at 4000k, and 11,021 lumens (112 LPW) at 5000k.*
- FALLEDMRT150 delivers 15,131 lumens (98 LPW) at both 4000k and 5000k.*
- Universal 120-277 AC voltage (50-60Hz) is standard.
- 0-10vdc dimming capability is standard on LEDMPAL100-T and FALLEDMRT150
- 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 = 0.38 sf; Side = 0.30 sf; and Face = 1.04 sf.
- 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.



Shown with standard trunnion mount



Shown with optional yoke mount

WARRANTY & LISTINGS

- cULus listed for wet locations (-30°C to 40°C / -22°F to 104°F)
- IP65 rated.
- DLC approved.
- Complies with FCC Part 15.
- Complies with EN61000-4-5, surge immunity (LEDMPAL80 - 2kV, FALLEDMRT100 & FALLEDMRT150 6kV).
- Complies with EN61000-4-2 level 2 electrostatic discharge (4kV).
- Tested to UL1598, UL8750 and IEC60598 safety standards.
- 5-year warranty on all electronics and housing.

MOUNTING OPTIONS

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



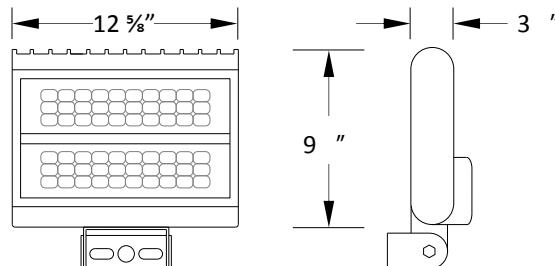
Steel Arm
Mount Option



Slip-Fitter
Mount Option



Yoke Mount
Option

DIMENSIONS

Weight: 9.6 lb.

ORDERING INFORMATION

| Model | Mounting Type | Luminaire Watts | Color Temperature | Luminaire Lumens | Lumens / Watt | Additional Mounting Options* (Order Separately) |
|--------------|---------------------------|-----------------|--------------------------|------------------|---------------|---|
| JGMLEDMRT80 | T = Trunnion* Y = Yoke | 78 | 4K = 4000k 5K = 5000k | 8,591 9,064 | 110 116 | Slip-Fitter =JMGLEDMRT-SF 80/300 Steel Arm =JMGLEDMRT-A-80/300 |
| JGMLEDMRT100 | T = Trunnion* Y = Yoke | 98 | 4K = 4000k 5K = 5000k | 10,035 11,021 | 102 112 | Note: These Mounting Options are not compatible with yoke-mounted models. Slipfitters and arms use the same mounting hardware as trunnion-mounted models. |
| JGMLEDMRT150 | T = Trunnion* Y = Yoke | 154 | 4K = 4000k 5K = 5000k | 15,131 15,131 | 98 98 | |

ELECTRICAL DATA

| Model | Color Temperature | CRI ¹ | Luminaire Lumens | Luminaire Watts | Lumens Per Watt | Input Voltage | Input Current (A) | | | Power Factor | THD ² | L ₇₀ Hours ³ |
|-----------------|-------------------|------------------|------------------|-----------------|-----------------|-------------------|-------------------|------|------|--------------|------------------|------------------------------------|
| | | | | | | | 120V | 240V | 277V | | | |
| JGMLEDMRT80-4K | 4000k | > 80 | 8,591 | 78 | 110 | 120-277 (50-60Hz) | 0.65 | 0.33 | 0.28 | > 90% | < 20% | 69,000 |
| JGMLEDMRT80-5K | 5000k | > 80 | 9,064 | 78 | 116 | 120-277 (50-60Hz) | 0.65 | 0.33 | 0.28 | > 90% | < 20% | 69,000 |
| JGMLEDMRT100-4K | 4000k | > 80 | 10,035 | 98 | 102 | 120-277 (50-60Hz) | 0.82 | 0.41 | 0.35 | > 90% | < 20% | 69,000 |
| JGMLEDMRT100-5K | 5000k | > 80 | 11,021 | 98 | 112 | 120-277 (50-60Hz) | 0.82 | 0.41 | 0.35 | > 90% | < 20% | 69,000 |
| JGMLEDMRT150-4K | 4000k | > 80 | 15,131 | 154 | 98 | 120-277 (50-60Hz) | 1.28 | 0.64 | 0.56 | > 90% | < 20% | 58,000 |
| JGMLEDMRT150-5K | 5000k | > 80 | 15,131 | 154 | 98 | 120-277 (50-60Hz) | 1.28 | 0.64 | 0.56 | > 90% | < 20% | 58,000 |

¹ Color rendering index

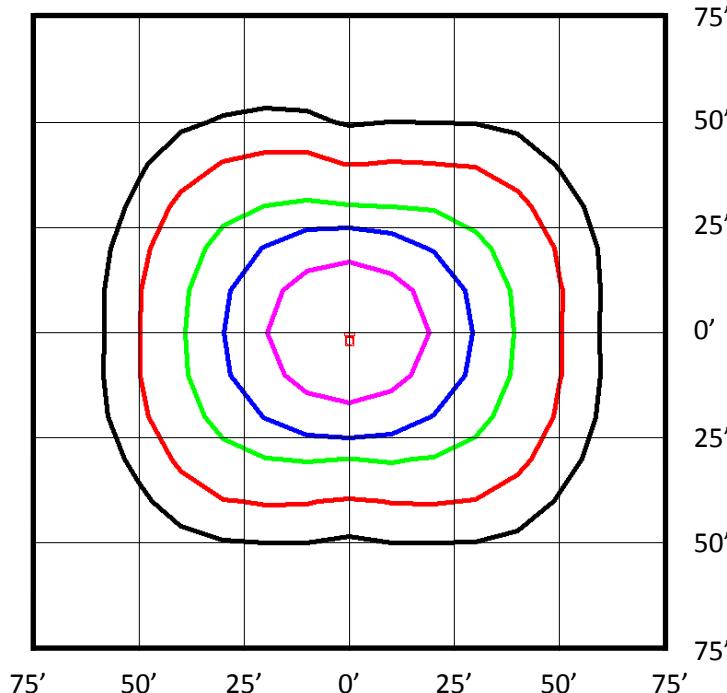
² Total harmonic distortion

³ 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

JGMLEDMRT80-4K (8,591 Lumens, , Type V Distribution)

BUG Rating: B3-U2-G2



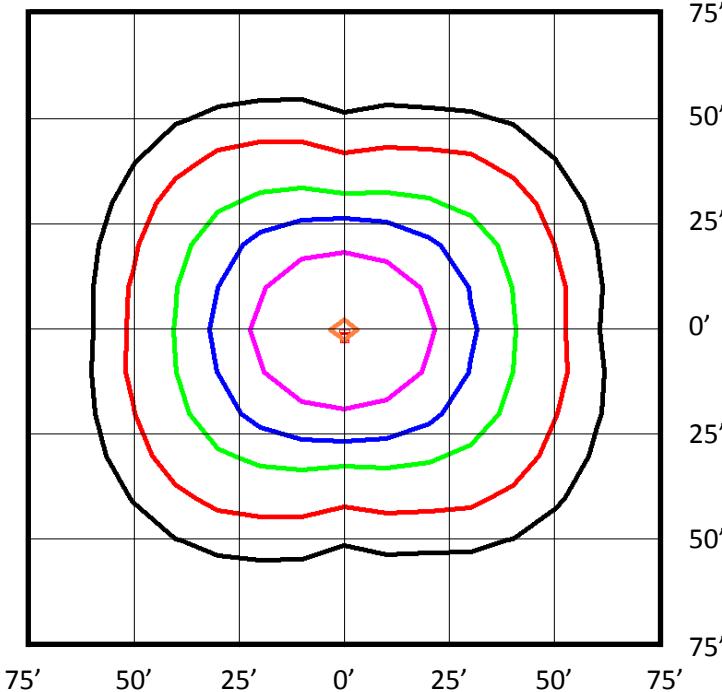
| Zone | Lumens | % |
|---------------------------------|--------------|-------------|
| FL - Front - Low (0-30) | 1,069 | 12% |
| FM - Front - Medium (30-60) | 2,301 | 27% |
| FH - Front - High (60-80) | 827 | 10% |
| FVH - Front - Very High (80-90) | 73 | 1% |
| Total Forward Light | 4,271 | 50% |
| BL - Back - Low (0-30) | 1,090 | 13% |
| BM - Back - Medium (30-60) | 2,293 | 27% |
| BH - Back - High (60-80) | 856 | 10% |
| BVH - Back - Very High (80-90) | 64 | 1% |
| Total Back Light | 4,302 | 50% |
| UL - Up Light - Low (90-100) | 1 | 0% |
| UH - Up Light - High (100-180) | 17 | 0% |
| Total Up Light | 18 | 0% |
| Total Lumens | 8,591 | 100% |

Notes:

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

PHOTOMETRIC DATA

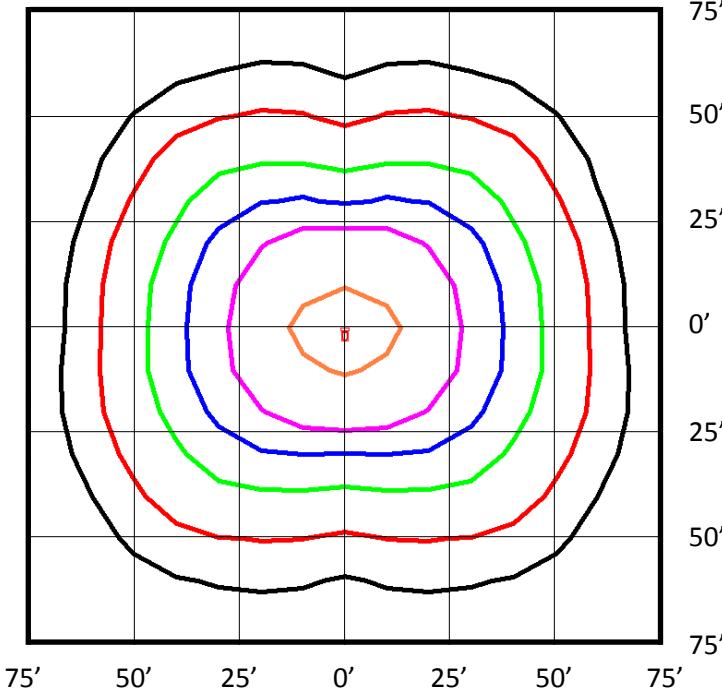
JGMLEDMRT100-4K (10,035 Lumens, Type V Distribution)



BUG Rating: B3-U2-G2

| Zone | Lumens | % |
|---------------------------------|--------|------|
| FL - Front - Low (0-30) | 1,285 | 13% |
| FM - Front - Medium (30-60) | 2,708 | 27% |
| FH - Front - High (60-80) | 997 | 10% |
| FVH - Front - Very High (80-90) | 87 | 1% |
| Total Forward Light | 5,077 | 51% |
| BL - Back - Low (0-30) | 1,259 | 13% |
| BM - Back - Medium (30-60) | 2,654 | 26% |
| BH - Back - High (60-80) | 960 | 10% |
| BVH - Back - Very High (80-90) | 71 | 1% |
| Total Back Light | 4,944 | 49% |
| UL - Up Light - Low (90-100) | 1 | 0% |
| UH - Up Light - High (100-180) | 14 | 0% |
| Total Up Light | 15 | 0% |
| Total Lumens | 10,035 | 100% |

JGMLEDMRT150-T-4K (15,131 Lumens, Type V Distribution)



BUG Rating: B3-U2-G3

| Zone | Lumens | % |
|---------------------------------|--------|------|
| FL - Front - Low (0-30) | 1,836 | 12% |
| FM - Front - Medium (30-60) | 4,134 | 27% |
| FH - Front - High (60-80) | 1,655 | 11% |
| FVH - Front - Very High (80-90) | 128 | 1% |
| Total Forward Light | 7,754 | 51% |
| BL - Back - Low (0-30) | 1,747 | 12% |
| BM - Back - Medium (30-60) | 3,936 | 26% |
| BH - Back - High (60-80) | 1,574 | 10% |
| BVH - Back - Very High (80-90) | 96 | 1% |
| Total Back Light | 7,353 | 49% |
| UL - Up Light - Low (90-100) | 1 | 0% |
| UH - Up Light - High (100-180) | 24 | 0% |
| Total Up Light | 25 | 0% |
| Total Lumens | 15,132 | 100% |

| 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.