

# JGMLEDMRT220 220 Watt Multi-Purpose LED Area Light



Project:	
Type:	
Catalog #:	



Shown with standard trunnion mount



mount  
Shown with optional yoke

## 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 69,000 hours of operation with at least 70% of initial lumen output ( $L_{70}$ ).<sup>\*\*</sup>
- Type III models deliver 27,536 lumens & 120 lumens per watt (LPW) at 3000k, 4000k and 5000k.\*
- Type V models deliver 21,495 lumens & 93 LPW at 3000k; 26,219 lumens & 114 LPW at 4000k; and 26,731 lumens & 116 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 ( $\frac{1}{2}$ " 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.

<sup>\*\*</sup>  $L_{70}$  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  $\frac{3}{8}$ " O.D. tenon).
- Steel arm mount provides secure attachment to flat surfaces.
- Yoke mount models are available by special order.



Steel Arm Mount Option

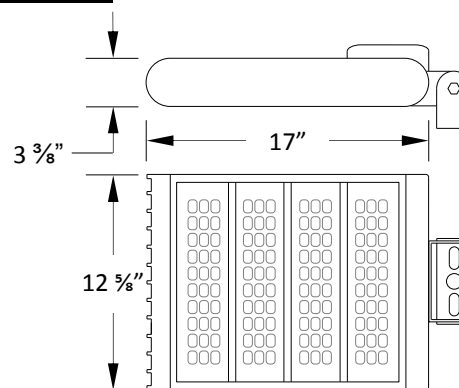


Slip-Fitter Mount Option



Yoke Mount Option

## DIMENSIONS



Weight: 17.3 lb.

## ORDERING INFORMATION

Examples: (Slip-Fitter, Type III): JGMLEDMRT220-T-4K-T3 + JGMLEDMRT-SF-80/300  
(Yoke, Type V): JGMLEDMRT220-Y-4K (no options available)

Model	Mounting Type	Luminaire Watts	Color Temp.	Distribution Type <sup>**</sup>	Luminaire Lumens	Lumens / Watt	Additional Mounting Options* (Order Separately)
JGMLEDMRT220	T = Trunnion* Y = Yoke	230	3K = 3000k 4K = 4000k 5K = 5000k	T3 = Type III T3 = Type III T3 = Type III	27,536 27,536 27,536	120 120 120	Slip-Fitter = JGMLEDMRT-SF-80/300 Steel Arm = JGMLEDMRT-A-80/300
			3K = 3000k 4K = 4000k 5K = 5000k	Type V Type V Type V	21,495 26,219 26,731	93 114 116	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 (JGMLEDMRT220-T), and either the Slip-Fitter (JGMLEDMRT-SF-80/300) or Steel Arm (JGMLEDMRT-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.

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

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

Specifications and dimensions subject to change without notice.

# JGMLEDMRT220 220 Watt Multi-Purpose LED Area Light



## 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			
JGMLEDMRT220-3K-T3	3000k	> 80	27,536	230	120	120-277	1.92	0.96	0.83	> 90%	< 20%	69,000
JGMLEDMRT220-4K-T3	4000k	> 80	27,536	230	120	120-277	1.92	0.96	0.83	> 90%	< 20%	69,000
JGMLEDMRT220-5K-T3	5000k	> 80	27,536	230	120	120-277	1.92	0.96	0.83	> 90%	< 20%	69,000
JGMLEDMRT220-3K	3000k	> 80	21,495	230	93	120-277	1.92	0.96	0.83	> 90%	< 20%	69,000
JGMLEDMRT220-4K	4000k	> 80	26,219	230	114	120-277	1.92	0.96	0.83	> 90%	< 20%	69,000
JGMLEDMRT220-5K	5000k	> 80	26,731	230	116	120-277	1.92	0.96	0.83	> 90%	< 20%	69,000

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

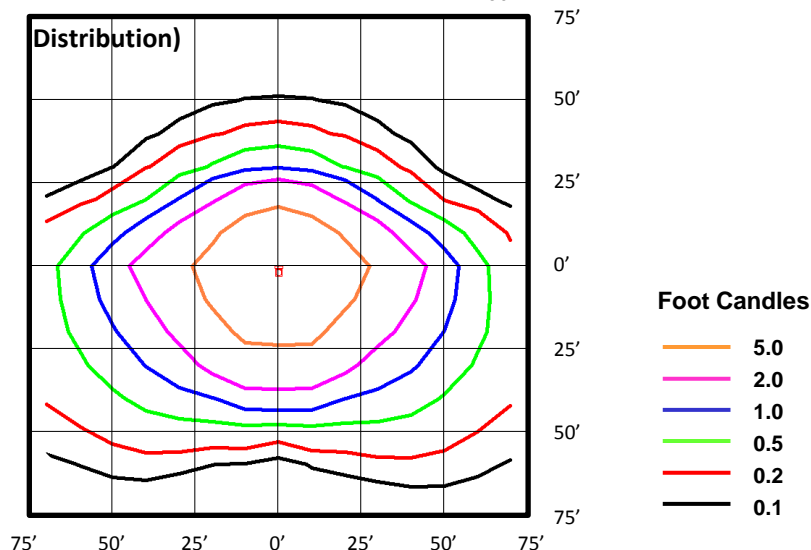
<sup>2</sup> All 50-60Hz.

<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

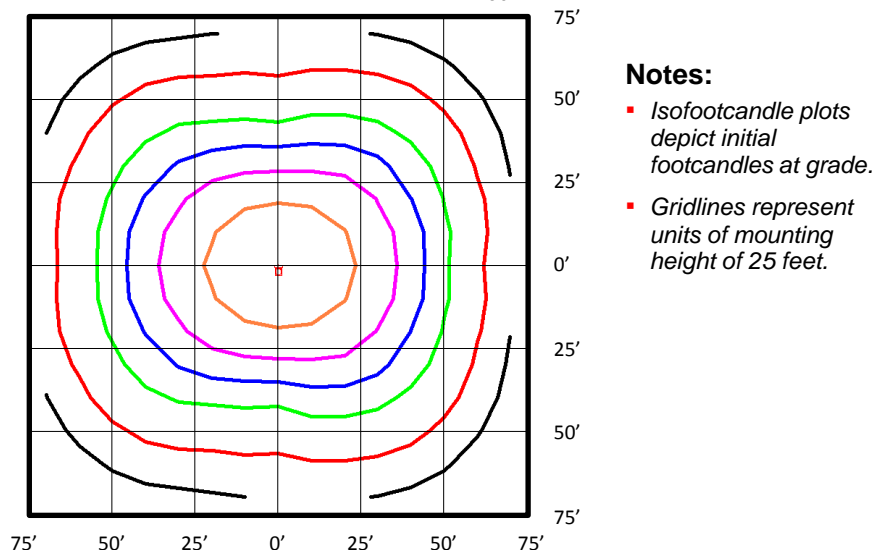
### JGMLEDMRT220-5K (27,536 Lumens , Type III [T3])



### BUG Rating: B4-U3-G2

Zone	Lumens	%
FL - Front - Low (0-30)	3,351	12%
FM - Front - Medium (30-60)	9,571	35%
FH - Front - High (60-80)	4,072	15%
FVH - Front - Very High (80-90)	218	1%
<b>Total Forward Light</b>	<b>17,212</b>	<b>63%</b>
BL - Back - Low (0-30)	3,186	12%
BM - Back - Medium (30-60)	5,743	21%
BH - Back - High (60-80)	1,263	5%
BVH - Back - Very High (80-90)	63	0%
<b>Total Back Light</b>	<b>10,256</b>	<b>37%</b>
UL - Up Light - Low (90-100)	4	0%
UH - Up Light - High (100-180)	65	0%
<b>Total Up Light</b>	<b>68</b>	<b>0%</b>
<b>Total Lumens</b>	<b>27,536</b>	<b>100%</b>

### JGMLEDMRT220-5K (26,731 Lumens , Type V Distribution)



### BUG Rating: B4-U3-G3

Zone	Lumens	%
FL - Front - Low (0-30)	3,443	13%
FM - Front - Medium (30-60)	7,129	27%
FH - Front - High (60-80)	2,667	10%
FVH - Front - Very High (80-90)	284	1%
<b>Total Forward Light</b>	<b>13,523</b>	<b>51%</b>
BL - Back - Low (0-30)	3,360	13%
BM - Back - Medium (30-60)	7,019	26%
BH - Back - High (60-80)	2,484	9%
BVH - Back - Very High (80-90)	271	1%
<b>Total Back Light</b>	<b>13,135</b>	<b>49%</b>
UL - Up Light - Low (90-100)	5	0%
UH - Up Light - High (100-180)	69	0%
<b>Total Up Light</b>	<b>73</b>	<b>0%</b>
<b>Total Lumens</b>	<b>26,731</b>	<b>100%</b>