

JGMPPAL-80 -140

80-140 Watt, Premium Multi-Purpose LED Area Luminaire



Project:	
Type:	
Catalog #:	

STANDARD



The JGMPPAL series is a group of premium 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 JGMPPAL 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) color temperatures.*
- Long-life LEDs provide 372,000 hours of operation with at least 70% of initial lumen output (L_{70}).**
- JGMPPAL-80 provides 9,816 lumens (123 lumens per watt, LPW) at 4000k, and 10,008 lumens (125 LPW) at 5000k.*
- JGMPPAL-100 provides 11,834 lumens (118 LPW) at 4000k, and 12,084 lumens (121 LPW) at 5000k.*
- JGMPPAL-140 provides 16,438 lumens (117 LPW) at 4000k, and 16,687 lumens (119 LPW) at 5000k.*
- 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 > 0.90.
- 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—at least 2 mils thick on all surfaces—and a heat-resistant polycarbonate lens.
- Wireway enclosure is sealed with a water-tight, silicon rubber gasket.
- Effective projected areas (EPA's) are:
Front = 0.24 s.f.
Side = 0.29 s.f.
Face = 1.10 s.f.
- Easy installation in new construction or retrofit applications.

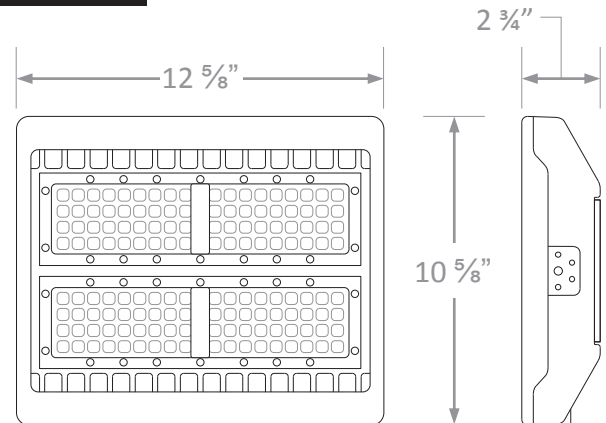
* Contact factory for other color temperatures and lumen packages.
** L_{70} hours are IES TM-21-11 calculated hours.



WARRANTY & LISTINGS

- cULus listed for wet locations in ambient temperatures from -20°C to 45°C (-4°F to 113°F).
- IP66 rated for ingress protection.
- DLC premium approved.
- Flicker-free per IEEE1789-2015 (no observable adverse effects of flicker at 100% light output level).
- Rated for 3G vibration.
- Lens is IK 9 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 (6kV).
- 5-year warranty of all electronics and housing.

DIMENSIONS



Weight: 8.2 lbs. (80W), 10.8 lbs. (100W) & 11 lbs. (140W)

ORDERING INFORMATION

Example: JGMPPAL80-4K + JGMPPAL -YK 80/140+ JGMPPAL-80/100/140 -FGS + JGMPPAL-80/100/140-WG

Model	Color Temperature	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Accessories (Order Separately)
JGMPPAL-80	4K = 4000k	9,816	80	123	JGMPPAL -YK-80/140 = Yoke Mounting Bracket, 80 – 140W
	5K = 5000k	10,008		125	JGMPPAL -TR-80/280 = Trunnion Mounting Bracket, 80 – 280W
JGMPPAL-100	4K = 4000k	11,834	100	118	JGMPPAL -ARM-80/280 = Arm Mounting Bracket, 80 – 280W
	5K = 5000k	12,084		121	JGMPPAL -SF 80/280 = Slip-Fitter Mounting Bracket, 80 – 280W
JGMPPAL-140	4K = 4000k	16,438	140	117	JGMPPAL -PCKIT-80/280 = NEMA photocell installation kit, 80 – 280W
					JGMPPAL-80/100/140-FGS = Full Glare Shield, 80 – 140W
					JGMPPAL-80/100/140-HGS = Half Glare Shield, 80 – 140W
	5K = 5000k	16,687		119	JGMPPAL-80/100/140-WG = Wire Guard, 80 – 140W

JGMPPAL-80 -140

80-140 Watt, Premium Multi-Purpose LED Area Luminaire



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			
JGMPPAL-80-4K	4000k	> 80	9,816	80	123	120-277	0.67	0.33	0.29	> 90%	< 20%	372,000
JGMPPAL-80-5K	5000k	> 80	10,008	80	125	120-277	0.67	0.33	0.29	> 90%	< 20%	372,000
JGMPPAL-100-4K	4000k	> 80	11,834	100	118	120-277	0.83	0.42	0.36	> 90%	< 20%	372,000
JGMPPAL-100-5K	5000k	> 80	12,084	100	121	120-277	0.83	0.42	0.36	> 90%	< 20%	372,000
JGMPPAL-140-4K	4000k	> 80	16,438	140	117	120-277	1.17	0.58	0.51	> 90%	< 20%	372,000
JGMPPAL-140-5K	5000k	> 80	16,687	140	119	120-277	1.17	0.58	0.51	> 90%	< 20%	372,000

¹ Color rendering index.

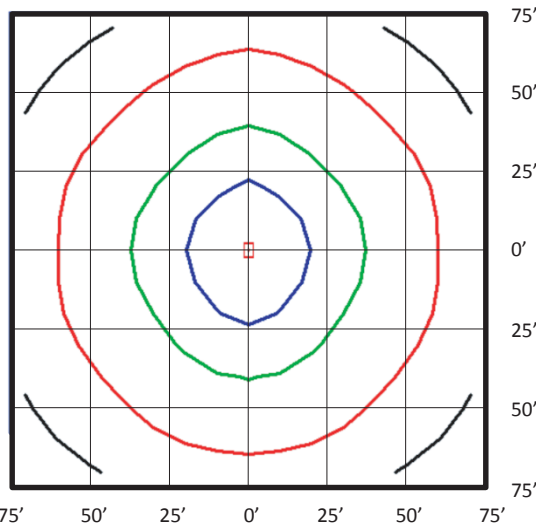
² All 50-60Hz.

³ Total harmonic distortion.

⁴ 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

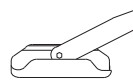
JGMPPAL-80-4K (9,816 Lumens, Type V Distribution)



Foot Candles



Luminaire Orientation:

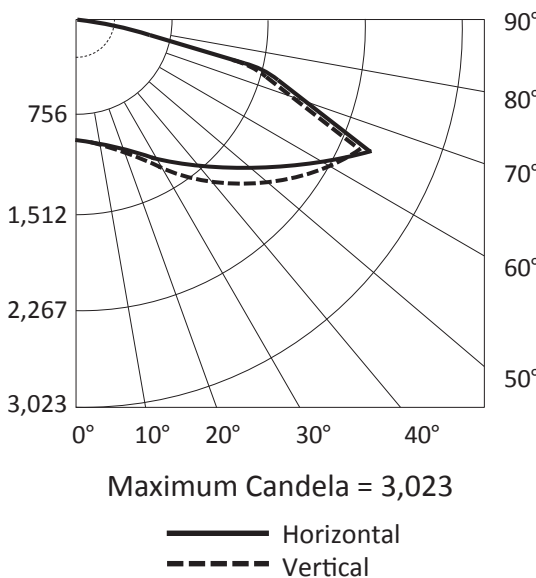


Notes:

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

BUG Rating: B4-U0-G4

Zone	Lumens	%
FL - Front - Low (0-30)	456	5%
FM - Front - Medium (30-60)	1,929	20%
FH - Front - High (60-80)	2,319	24%
FVH - Front - Very High (80-90)	266	3%
Total Forward Light	4,970	51%
BL - Back - Low (0-30)	449	5%
BM - Back - Medium (30-60)	1,852	19%
BH - Back - High (60-80)	2,250	23%
BVH - Back - Very High (80-90)	295	3%
Total Back Light	4,846	49%
UL - Up Light - Low (90-100)	0	0%
UH - Up Light - High (100-180)	0	0%
Total Up Light	0	0%
Total Lumens	9,816	100%



NEMA Floodlight Type Data

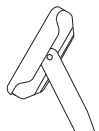
Field Angles:

- Horizontal 156°
- Vertical 172°

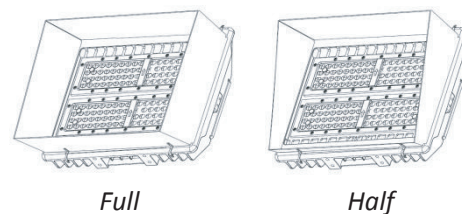
NEMA Type:

- Horizontal 7H
- Vertical 7V

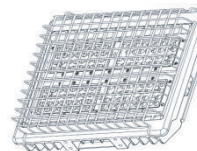
Luminaire Orientation:



Shields



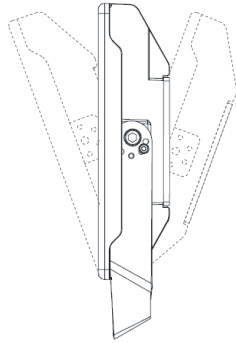
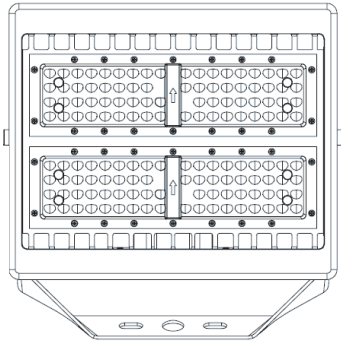
Wire Guards



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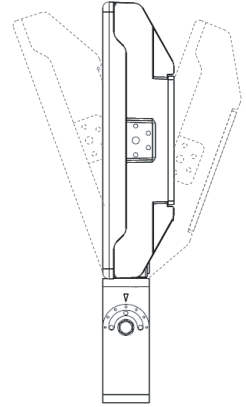
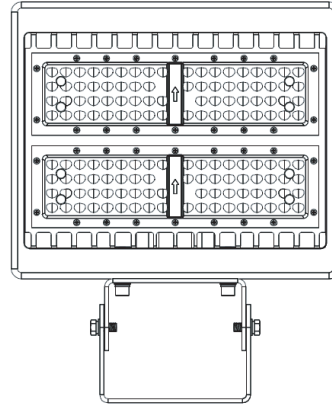


MOUNTING ACCESSORIES



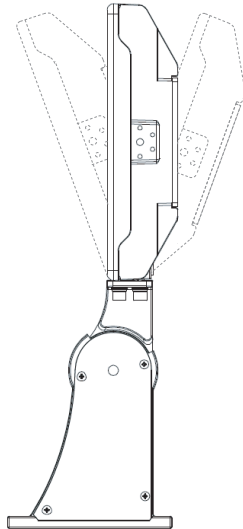
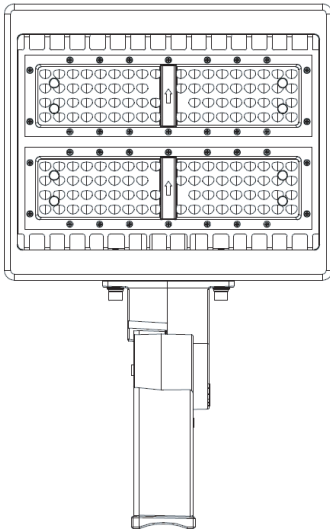
Yoke Mount

JGMPPAL-YK-80/140



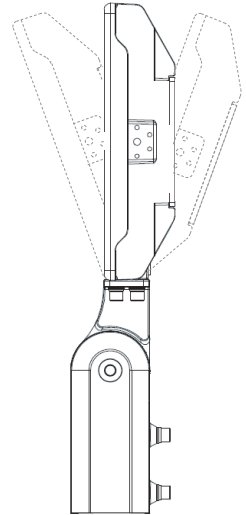
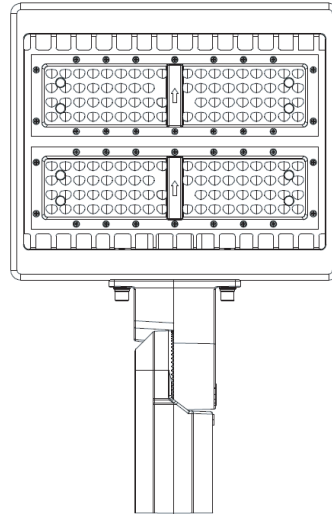
Trunnion Mount

JGMPPAL-TR-80/280



Adjustable Arm Mount

JGMPPAL-ARM-80/280



Slip-Fitter Mount

JGMPPAL-SF-80/280

All mounting accessories are adjustable up to 90° in both directions.