

JGMPPAL15 15 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 3000k (warm white), 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 15 provides 1,593 lumens (114 lumens per watt, LPW) at 3000k; 1,603 lumens (115 LPW) at 4000k; and 1,624 lumens (116 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 = 0.05 s.f. (knuckle) / 0.06 s.f. (yoke)
 - Side = 0.07 s.f. (knuckle & yoke)
 - Face = 0.20 s.f. (knuckle) / 0.23 s.f. (yoke)
- 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.



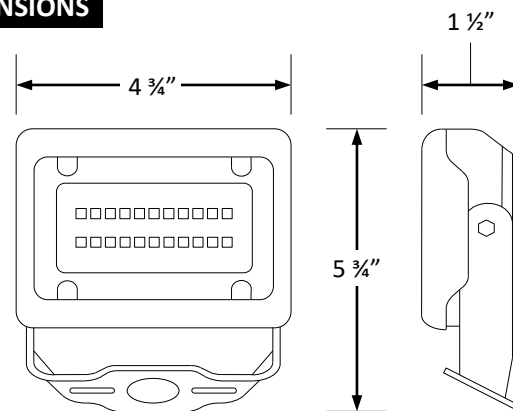
WARRANTY & LISTINGS

- 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.
- Rated for 3G vibration.
- Lens is IK 8 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 (2.5kV).
- 5-year warranty of all electronics and housing.

MOUNTING OPTIONS

- Aluminum die-cast knuckle-mount option is installed on a junction box. Includes 1/2" NPS stem with locking nut.
- Yoke-mount option provides secure attachment to flat surfaces.

DIMENSIONS



Weight: 0.9 lb. (knuckle) / 1.1 lb. (yoke)

ORDERING INFORMATION

Example: JGMPPAL15-K-3K + JGMPPAL15-FGS + JGMPPAL-WG

Model	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Mounting Options	Color Temperature	Shields & Wire Guards (See Line Drawings)
JGMPPAL15	1,593	14	114	K = Knuckle Mount	3K = 3000k	JGMPPAL15-FGS = Full Glare Shield, 15W
	1,603		115	Y = Yoke Mount	4K = 4000k	JGMPPAL15-HGS = Half Glare Shield, 15W
	1,624		116		5K = 5000k	JGMPPAL15-WG = Wire Guard, 15W

JGMPPAL15

15 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			
JGMPPAL15-3K	3000k	> 80	1,593	14	114	120-277	0.12	0.06	0.05	> 90%	< 20%	372,000
JGMPPAL15-4K	4000k	> 80	1,603	14	115	120-277	0.12	0.06	0.05	> 90%	< 20%	372,000
JGMPPAL15-5K	5000k	> 80	1,624	14	116	120-277	0.12	0.06	0.05	> 90%	< 20%	372,000

¹ Color rendering index.

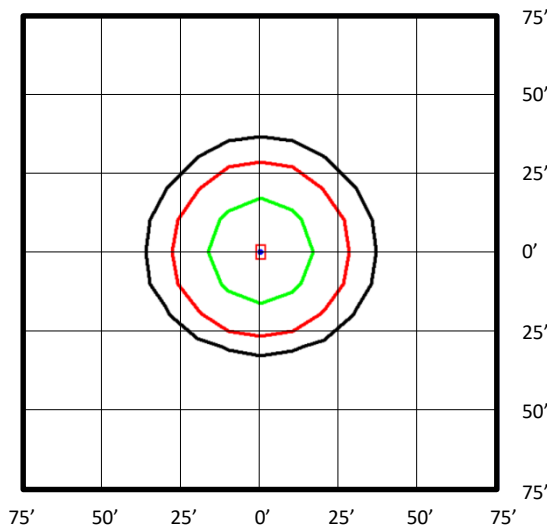
² All 50-60Hz.

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

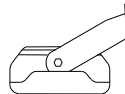
JGMPPAL15-3K (1,593 Lumens, Type V Distribution)



Foot Candles



Luminaire Orientation:

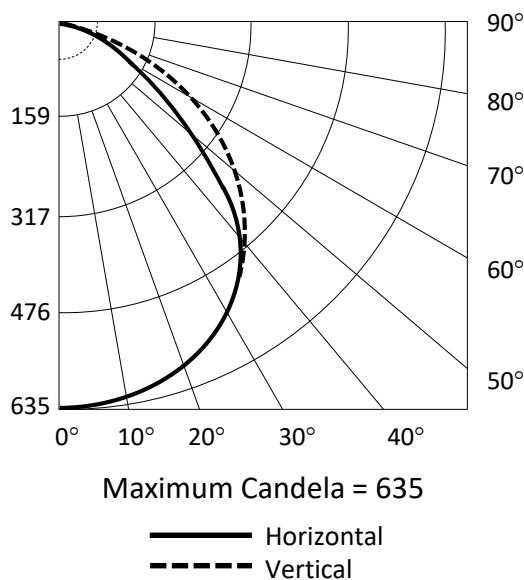


Notes:

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

BUG Rating: B1-U0-G0

Zone	Lumens	%
FL - Front - Low (0-30)	237	15%
FM - Front - Medium (30-60)	426	27%
FH - Front - High (60-80)	97	6%
FVH - Front - Very High (80-90)	3	0%
Total Forward Light	763	48%
BL - Back - Low (0-30)	240	15%
BM - Back - Medium (30-60)	464	29%
BH - Back - High (60-80)	121	8%
BVH - Back - Very High (80-90)	5	0%
Total Back Light	830	52%
UL - Up Light - Low (90-100)	0	0%
UH - Up Light - High (100-180)	0	0%
Total Up Light	0	0%
Total Lumens	1,593	100%



NEMA Floodlight Type Data

Field Angles:

- Horizontal 152°
- Vertical 142°

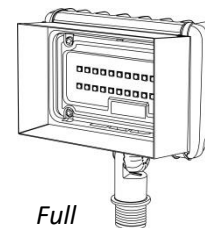
NEMA Type:

- Horizontal 7H
- Vertical 7V

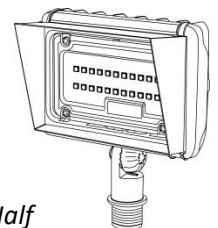
Luminaire Orientation:



Shields



Full



Half

Wire Guards

