

JGMPAL80

80 Watt Multi-Purpose LED Area Light



Project:	
Type:	
Catalog #:	

STANDARD



The JGMPAL 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 JGMPAL 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}).
- Standard optic provides an IES roadway type V distribution, or a 7V (vertical) x 7H (horizontal) NEMA floodlight distribution.
- Type III models deliver 9,257 lumens & 116 lumens per watt (LPW) at 3000k; 10,307 lumens & 129 LPW at 4000k; and 10,542 lumens and 132 LPW at 5000k.
- Type V models deliver 9,725 lumens & 122 LPW at 3000k; 10,033 lumens & 125 LPW at 4000k; and 10,342 lumens and 129 LPW at 5000k.
- 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, 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 square feet
 - Side = 0.30 square feet
 - Face = 1.04 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.



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 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

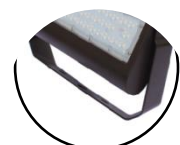
- Trunnion mount is standard.
- Slip-fitter mount provides attachment to poles (2 3/8" O.D. tenon).
- Steel arm mount provides secure attachment to flat surfaces.
- Yoke mount models are available by special order.



Steel Arm Mount Option

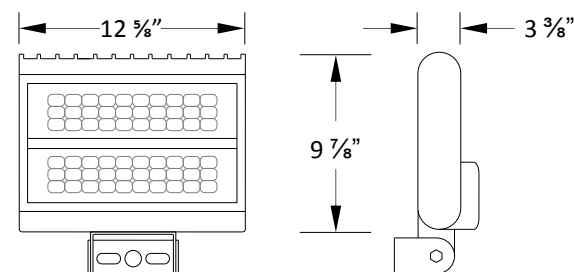


Slip-Fitter Mount Option



Yoke Mount Option

DIMENSIONS



Weight: 9.6 lb.

ORDERING INFORMATION

Examples: (Slip-Fitter, Type III): JGMPAL80-T-4K-T3 + JGMPAL-SF-80/300
 (Yoke, Type V): JGMPAL80-Y-4K (no options available)
 (Arm, NEMA 7H x 7V) JGMPAL80-T-4K + JGMPAL-A-80/300

Model	Mounting Type	Luminaire Watts	Color Temp.	Distribution Type**	Luminaire Lumens	Lumens / Watt	Options* (Order Separately)
JGMPAL80	T = Trunnion* Y = Yoke	80	3K = 3000k 4K = 4000k 5K = 5000k	T3 = Type III T3 = Type II T3 = Type III	9,257 10,307 10,542	116 129 132	JGMPAL-SF-80/300 = Slip-Fitter Mount JGMPAL-A-80/300 = Steel Arm Mount MPAL80/100/150-FGS = Full Glare Shield MPAL80/100/150-HGS = Half Glare Shield MPAL80/100/150-WG = Wire Guard
			3K = 3000k 4K = 4000k 5K = 5000k	Type V Type V Type V	9,725 10,033 10,342	122 125 129	

* Note: For Slip-Fitter or Steel Arm mounting, order a luminaire with the standard Trunnion mount installed (LEDMPAL80-T), and either the Slip-Fitter (LEDMPAL-SF-80/300) or Steel Arm (LEDMPAL-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). For NEMA flood 7H x 7V distributions, order the Type V option.

JGMPAL80

80 Watt Multi-Purpose LED Area Light



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			
JGMPAL80-3K-T3	3000k	> 80	9,257	80	116	120-277	0.67	0.33	0.29	> 90%	< 20%	69,000
JGMPAL80-4K-T3	4000k	> 80	10,307	80	129	120-277	0.67	0.33	0.29	> 90%	< 20%	69,000
JGMPAL80-5K-T3	5000k	> 80	10,542	80	132	120-277	0.67	0.33	0.29	> 90%	< 20%	69,000
JGMPAL80-3K	3000k	> 80	9,725	80	122	120-277	0.67	0.33	0.29	> 90%	< 20%	69,000
JGMPAL80-4K	4000k	> 80	10,033	80	125	120-277	0.67	0.33	0.29	> 90%	< 20%	69,000
JGMPAL80-5K	5000k	> 80	10,342	80	129	120-277	0.67	0.33	0.29	> 90%	< 20%	69,000

¹ Color rendering index.

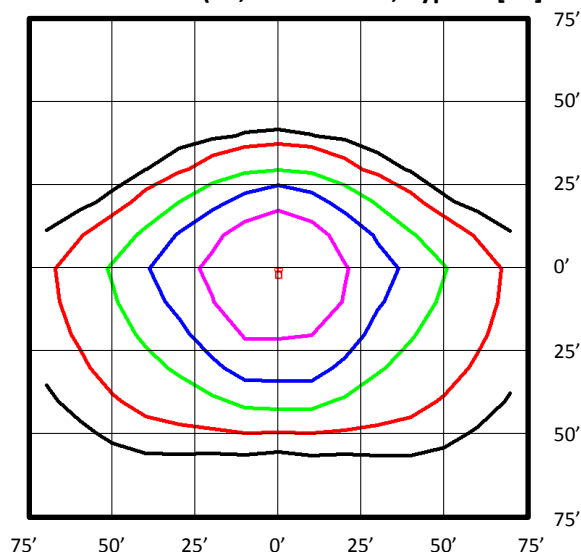
² All 50-60Hz.

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

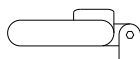
JGMPAL80-5K (10,542 Lumens , Type III [T3] Distribution)



Foot Candles



Luminaire Orientation:



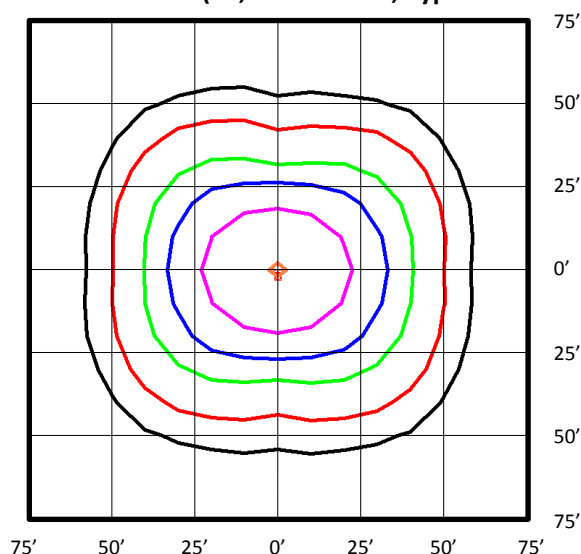
Notes:

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

BUG Rating: B3-U2-G2

Zone	Lumens	%
FL - Front - Low (0-30)	1,303	12%
FM - Front - Medium (30-60)	3,686	35%
FH - Front - High (60-80)	1,585	15%
FVH - Front - Very High (80-90)	81	1%
Total Forward Light	6,655	63%
BL - Back - Low (0-30)	1,255	12%
BM - Back - Medium (30-60)	2,125	20%
BH - Back - High (60-80)	464	4%
BVH - Back - Very High (80-90)	22	0%
Total Back Light	3,866	37%
UL - Up Light - Low (90-100)	1	0%
UH - Up Light - High (100-180)	21	0%
Total Up Light	22	0%
Total Lumens	10,542	100%

JGMPAL80-5K (10,342 Lumens , Type V Distribution)



Foot Candles



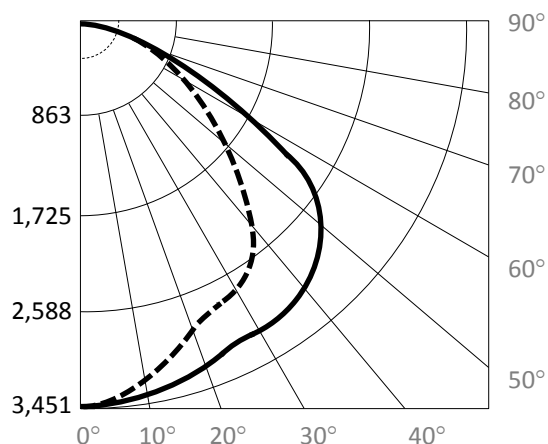
Luminaire Orientation:



BUG Rating: B3-U2-G2

Zone	Lumens	%
FL - Front - Low (0-30)	1,269	12%
FM - Front - Medium (30-60)	2,860	28%
FH - Front - High (60-80)	947	9%
FVH - Front - Very High (80-90)	117	1%
Total Forward Light	5,193	50%
BL - Back - Low (0-30)	1,273	12%
BM - Back - Medium (30-60)	2,810	27%
BH - Back - High (60-80)	931	9%
BVH - Back - Very High (80-90)	112	1%
Total Back Light	5,126	50%
UL - Up Light - Low (90-100)	1	0%
UH - Up Light - High (100-180)	22	0%
Total Up Light	23	0%
Total Lumens	10,342	100%

JGMPAL80 80 Watt Multi-Purpose LED Area Light



Maximum Candela = 3,451

— Horizontal
- - - Vertical

NEMA Floodlight Type Data

Field Angles:

- Horizontal 171°
- Vertical 162°

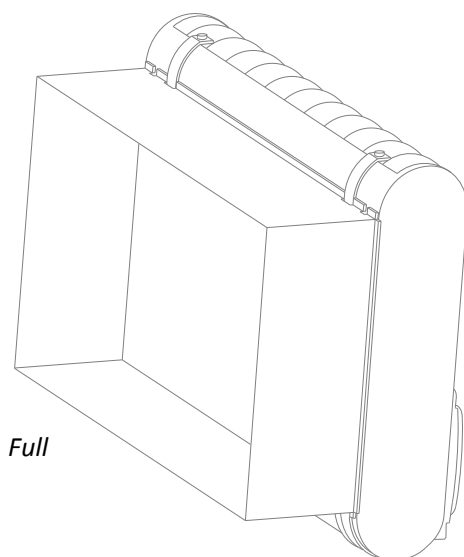
NEMA Type:

- Horizontal 7H
- Vertical 7V

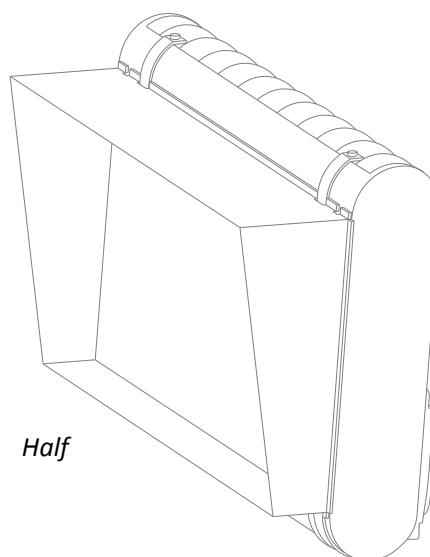
Luminaire Orientation:



Shields

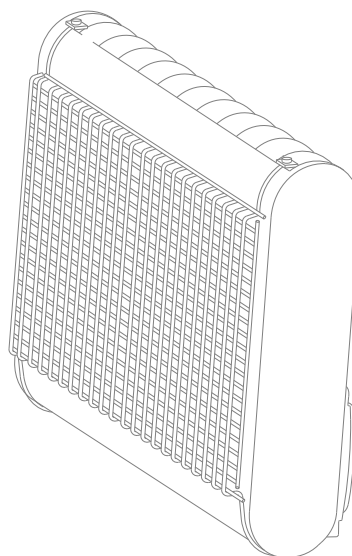


Full



Half

Wire Guards



JGMPAL100

100 Watt Multi-Purpose LED Area Light



Project:	
Type:	
Catalog #:	

STANDARD



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

FEATURES

- 120-277V models available in 3000k (warm white), 4000K (neutral white) and 5000K (cool white). 347-480V models available in 4000k & 5000k.
- Long-life LEDs provide a minimum of 65,000 hours of operation with at least 70% of initial lumen output (L_{70}).
- Standard optic provides an IES roadway type V distribution, or a 7V (vertical) x 7H (horizontal) NEMA floodlight distribution.
- Type III models (120-277V) deliver 11,423 lumens & 114 lumens per watt (LPW) at 3000k; 11,614 lumens & 116 LPW at 4000k; and 12,543 lumens & 125 LPW at 5000k.
- Type III models (347-480V) deliver 12,354 lumens & 124 LPW at 4000k and 12,507 lumens & 125 LPW at 5000k.
- Type V models deliver (120-277V) 12,158 lumens & 122 LPW at 3000k; 12,105 lumens & 121 LPW at 4000k; and 12,353 lumens & 124 LPW at 5000k.
- Type V models (347-480V) deliver 12,368 lumens & 124 LPW at both 4000k & 5000k.
- Universal 120-277 or 347-480 AC voltage (50-60Hz) is standard.
- 0-10vdc dimming capability 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, and a heat-resistant polycarbonate lens.
- Wireway enclosure is sealed with a water-tight, silicon rubber gasket.
- Effective projected areas (EPA's) are 0.38 square feet (sf, front); 0.30 sf (side) & 1.04 sf (front).
- 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.
 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 standard approved (except as noted below).
- Complies with FCC Part 15, Class B.
- Complies with EN61000-4-5, surge immunity (120-277V models protected to 4kV & 347-480V models protected to 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

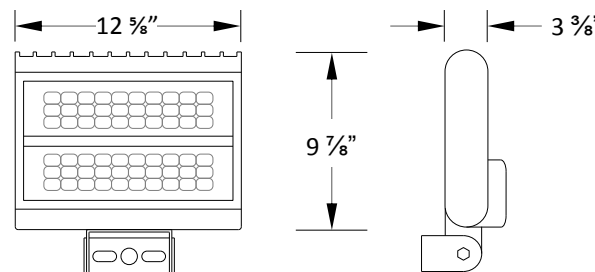


Slip-Fitter Mount Option



Yoke Mount Option

DIMENSIONS



Weight: 9.6 lb.

ORDERING INFORMATION

Examples: (Slip-Fitter, Type III): JGMPAL100-T-4K-T3 + JGMPAL-SF-80/300
 (Yoke, Type V): JGMPAL100-Y-4K (no options available)
 (Arm, NEMA 7H x 7V) JGMPAL100-T-4K + JGMPAL-A-80/300

Model	Mounting Type	Luminaire Watts	Input Voltage	Color Temperature	Distribution Type ²	Luminaire Lumens	Lumens / Watt	Options* (Order Separately)
JGMPAL100	T = Trunnion ¹ Y = Yoke	100	120-277 120-277 120-277	3K = 3000k 4K = 4000k 5K = 5000k	T3 = Type III T3 = Type III T3 = Type III	11,423 11,614 12,543	114 116 125	JGMPAL-SF-80/300 = Slip-Fitter Mount JGMPAL-A-80/300 = Steel Arm Mount
			120-277 120-277 120-277	3K = 3000k 4K = 4000k 5K = 5000k	Type V Type V Type V	12,158 12,105 12,353	122 121 124	MPAL80/100/150-FGS = Full Glare Shield MPAL80/100/150-HGS = Half Glare Shield
			347-480 347-480	4K = 4000k 5K = 5000k	T3 = Type III T3 = Type III	12,354 12,507	124 125	MPAL80/100/150-WG = Wire Guard
			347-480 347-480	4K = 4000k 5K = 5000k	Type V Type V	12,368 12,368	124 124	

¹ Note: For Slip-Fitter or Steel Arm mounting, order a luminaire with the standard Trunnion mount installed (LEDMPAL100-T), and either the Slip-Fitter (LEDMPAL-SF-80/300) or Steel Arm (LEDMPAL-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.

² Note: Type V distribution is standard, and requires no order suffix (see example above). For NEMA flood 7H x 7V distributions, order the Type V option.

JGMPAL100

100 Watt Multi-Purpose LED Area Light



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			
JGMPAL100-3K-T3	3000k	> 80	11,423	100	114	120-277	0.83	0.42	0.36	> 90%	< 20%	69,000
JGMPAL100-4K-T3	4000k	> 80	11,614	100	116	120-277	0.83	0.42	0.36	> 90%	< 20%	69,000
JGMPAL100-5K-T3	5000k	> 80	12,543	100	125	120-277	0.83	0.42	0.36	> 90%	< 20%	69,000
JGMPAL100-3K	3000k	> 80	12,158	100	122	120-277	0.83	0.42	0.36	> 90%	< 20%	69,000
JGMPAL100-4K	4000k	> 80	12,105	100	121	120-277	0.83	0.42	0.36	> 90%	< 20%	69,000
JGMPAL100-5K	5000k	> 80	12,353	100	124	120-277	0.83	0.42	0.36	> 90%	< 20%	69,000
JGMPAL100-T-4K-T3-480V	4000k	> 80	12,354	100	124	347-480	N/A	N/A	N/A	> 90%	< 20%	65,000
JGMPAL100-T-5K-T3-480V	5000k	> 80	12,507	100	125	347-480	N/A	N/A	N/A	> 90%	< 20%	65,000
JGMPAL100-T-4K-480V	4000k	> 80	12,368	100	124	347-480	N/A	N/A	N/A	> 90%	< 20%	68,000
JGMPAL100-T-5K-480V	5000k	> 80	12,368	100	124	347-480	N/A	N/A	N/A	> 90%	< 20%	68,000

¹ Color rendering index.

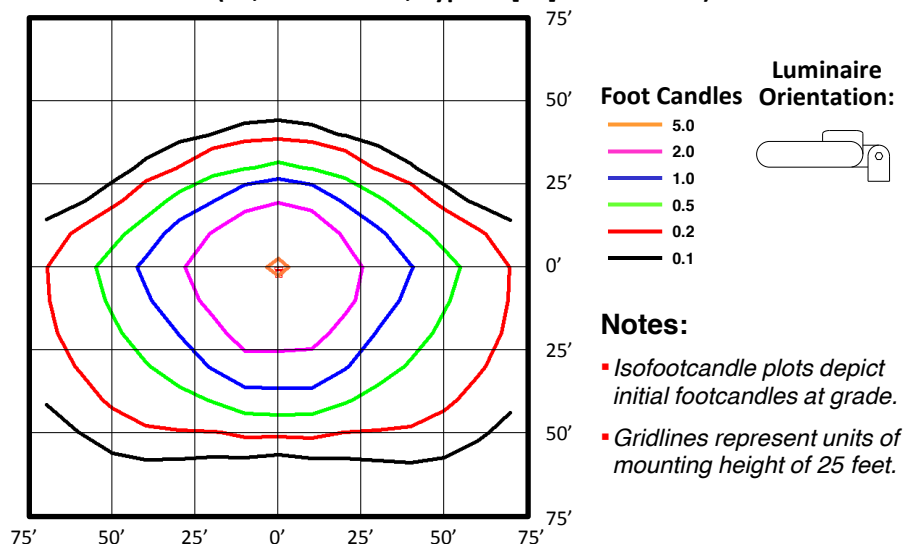
² All 50-60Hz.

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

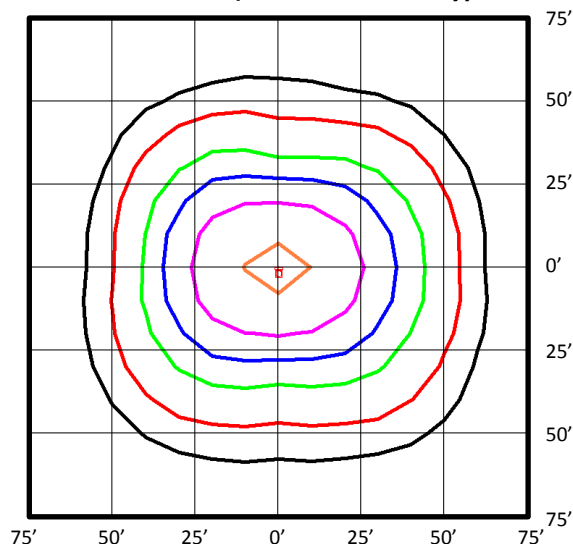
JGMPAL100-5K (12,543 Lumens , Type III [T3] Distribution)



BUG Rating: B3-U2-G2

Zone	Lumens	%
FL - Front - Low (0-30)	1,430	11%
FM - Front - Medium (30-60)	4,156	33%
FH - Front - High (60-80)	2,064	16%
FVH - Front - Very High (80-90)	123	1%
Total Forward Light	7,772	62%
BL - Back - Low (0-30)	1,356	11%
BM - Back - Medium (30-60)	2,666	21%
BH - Back - High (60-80)	694	6%
BVH - Back - Very High (80-90)	28	0%
Total Back Light	4,744	38%
UL - Up Light - Low (90-100)	2	0%
UH - Up Light - High (100-180)	25	0%
Total Up Light	27	0%
Total Lumens	12,543	100%

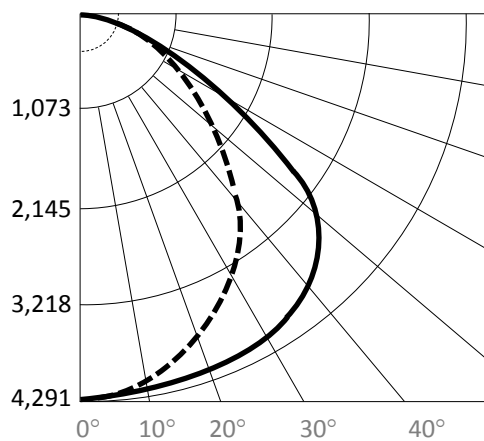
LEDMPAL100-5K (12,353 Lumens , Type V Distribution)



BUG Rating: B3-U2-G2

Zone	Lumens	%
FL - Front - Low (0-30)	1,625	13%
FM - Front - Medium (30-60)	3,439	28%
FH - Front - High (60-80)	1,162	9%
FVH - Front - Very High (80-90)	135	1%
Total Forward Light	6,362	52%
BL - Back - Low (0-30)	1,564	13%
BM - Back - Medium (30-60)	3,242	26%
BH - Back - High (60-80)	1,028	8%
BVH - Back - Very High (80-90)	127	1%
Total Back Light	5,962	48%
UL - Up Light - Low (90-100)	2	0%
UH - Up Light - High (100-180)	28	0%
Total Up Light	29	0%
Total Lumens	12,353	100%

JGMPAL100 100 Watt Multi-Purpose LED Area Light



Maximum Candela = 4,291

— Horizontal
- - - Vertical

NEMA Floodlight Type Data

Field Angles:

- Horizontal 168°
- Vertical 160°

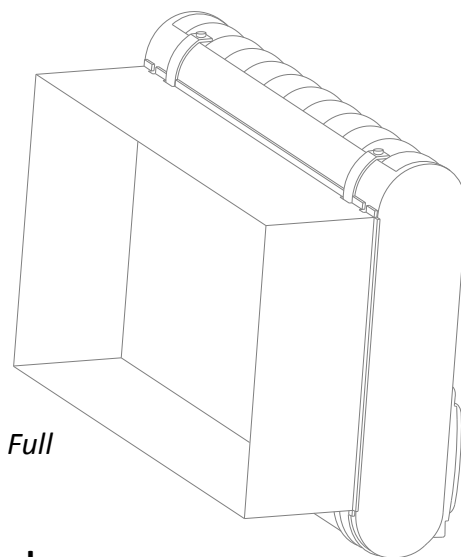
NEMA Type:

- Horizontal 7H
- Vertical 7V

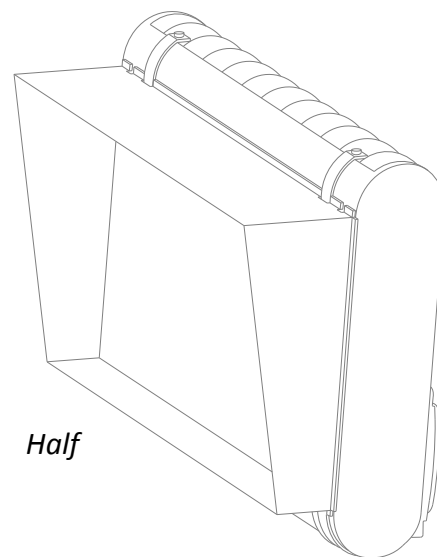
Luminaire Orientation:



Shields

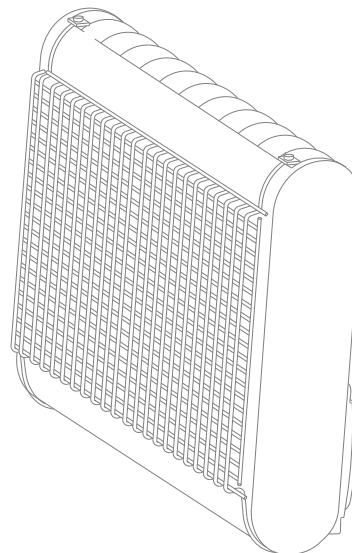


Full



Half

Wire Guards



JGMPAL150

150 Watt Multi-Purpose LED Area Light



Project:	
Type:	
Catalog #:	

STANDARD



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

FEATURES

- 120-277V models available in 3000k (warm white), 4000K (neutral white) and 5000K (cool white). 347-480V models available in 4000K & 5000K.
- Long-life LEDs provide 58,000 hours of operation with at least 70% of initial lumen output (L_{70}).
- Standard optic provides an IES roadway type V distribution, or a 7V (vertical) x 7H (horizontal) NEMA floodlight distribution.
- Type III models (120-277V) deliver 16,695 lumens & 109 lumens per watt (LPW) at 3000k; and 18,303 lumens & 120 LPW at both 4000K and 5000K.
- Type III models (347-480V) deliver 17,972 lumens & 123 LPW at 4000K and 18,167 lumens & 124 LPW at 5000K.
- Type V models deliver (120-277V) 19,887 lumens & 130 LPW at 3000k; 18,486 lumens & 121 LPW at 4000K; and 18,752 lumens & 123 LPW at 5000K.
- Type V models (347-480V) deliver 17,517 lumens & 120 LPW 4000K; and 17,919 lumens & 123 LPW at 5000K.
- Universal 120-277 or 347-480 AC voltage (50-60Hz) is standard.
- 0-10vdc dimming capability 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, and a heat-resistant polycarbonate lens.
- Wireway enclosure is sealed with a water-tight, silicon rubber gasket.
- Effective projected areas (EPA's) are 0.38 square feet (sf, front); 0.30 sf (side) & 1.04 sf (front).
- 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.
 ** 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 standard approved.
- Complies with FCC Part 15, Class B.
- Complies with EN61000-4-5, surge immunity (120-277V models protected to 6kV & 347-480V models protected to 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

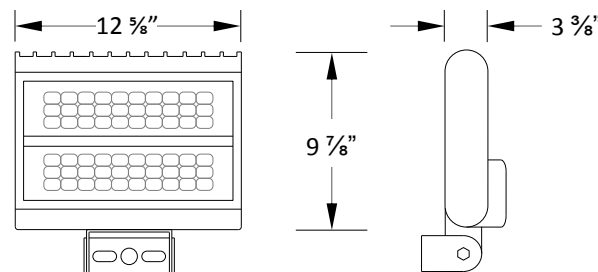


Slip-Fitter Mount Option



Yoke Mount Option

DIMENSIONS



Weight: 9.6 lb.

ORDERING INFORMATION

Examples: (Slip-Fitter, Type III): JGMPAL150-T-4K-T3 + LEDMPAL-SF-80/300
 (Yoke, Type V): JGMPAL150-Y-4K (no options available)
 (Arm, NEMA 7H x 7V) JGMPAL150-T-4K + LEDMPAL-A-80/300

Model	Mounting Type	Luminaire Watts	Input Voltage	Color Temperature	Distribution Type ²	Luminaire Lumens	Lumens / Watt	Options* (Order Separately)
JGMPAL150	T = Trunnion ¹ Y = Yoke	153	120-277	3K = 3000k	T3 = Type III	16,695	109	JGMPAL-SF-80/300 = Slip-Fitter Mount
			120-277	4K = 4000k	T3 = Type III	18,303	120	JGMPAL-A-80/300 = Steel Arm Mount
			120-277	5K = 5000k	T3 = Type III	18,303	120	MPAL80/100/150-FGS = Full Glare Shield
			120-277	3K = 3000k	Type V	19,887	130	MPAL80/100/150-HGS = Half Glare Shield
			120-277	4K = 4000k	Type V	18,486	121	MPAL80/100/150-WG = Wire Guard
			120-277	5K = 5000k	Type V	18,752	123	
		146	347-480	4K = 4000k	T3 = Type III	17,972	123	
			347-480	5K = 5000k	T3 = Type III	18,167	124	
			347-480	4K = 4000k	Type V	17,517	120	
			347-480	5K = 5000k	Type V**	17,919	123	

¹ Note: For Slip-Fitter or Steel Arm mounting, order a luminaire with the standard Trunnion mount installed (LEDMPAL150-T), and either the Slip-Fitter (LEDMPAL-SF-80/300) or Steel Arm (LEDMPAL-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.

² Note: Type V distribution is standard, and requires no order suffix (see example above). For NEMA flood 7H x 7V distributions, order the Type V option.

JGMPAL150

150 Watt Multi-Purpose LED Area Light



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			
JGMPAL150-3K-T3	3000k	> 80	16,695	153	109	120-277	1.28	0.64	0.55	> 90%	< 20%	58,000
JGMPAL150-4K-T3	4000k	> 80	18,303	153	120	120-277	1.28	0.64	0.55	> 90%	< 20%	58,000
JGMPAL150-5K-T3	5000k	> 80	18,303	153	120	120-277	1.28	0.64	0.55	> 90%	< 20%	58,000
JGMPAL150-3K	3000k	> 80	19,887	153	130	120-277	1.28	0.64	0.55	> 90%	< 20%	58,000
JGMPAL150-4K	4000k	> 80	18,486	153	121	120-277	1.28	0.64	0.55	> 90%	< 20%	58,000
JGMPAL150-5K	5000k	> 80	18,752	153	123	120-277	1.28	0.64	0.55	> 90%	< 20%	58,000
JGMPAL150-T-4K-T3-480V	4000k	> 80	17,972	146	123	347-480	N/A	N/A	N/A	> 90%	< 20%	58,000
JGMPAL150-T-5K-T3-480V	5000k	> 80	18,167	146	124	347-480	N/A	N/A	N/A	> 90%	< 20%	58,000
JGMPAL150-T-4K-480V	4000k	> 80	17,517	146	120	347-480	N/A	N/A	N/A	> 90%	< 20%	58,000
JGMPAL150-T-5K-480V	5000k	> 80	17,919	146	123	347-480	N/A	N/A	N/A	> 90%	< 20%	58,000

¹ Color rendering index.

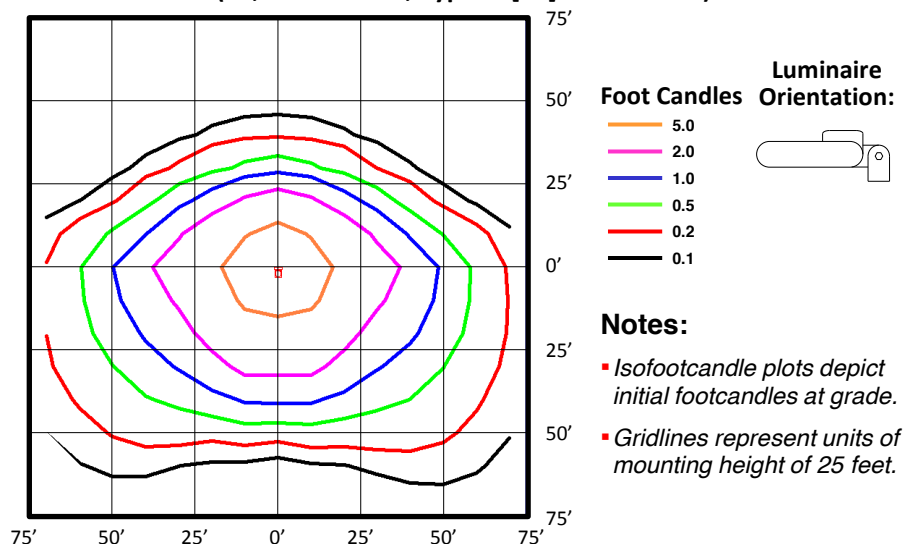
² All 50-60Hz.

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

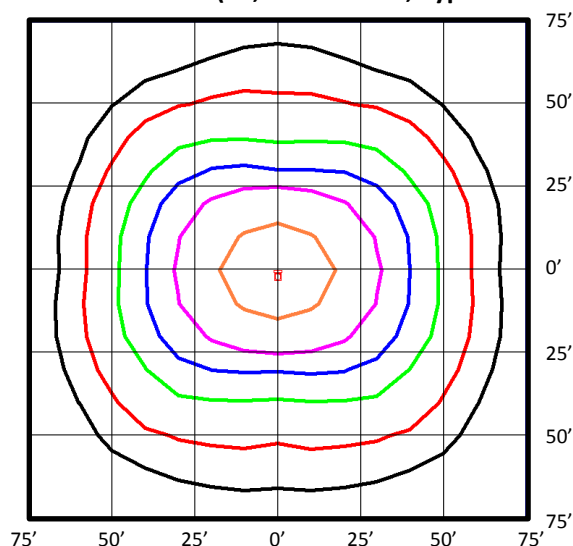
JGMPAL150-5K (18,303 Lumens , Type III [T3] Distribution)



BUG Rating: B3-U2-G2

Zone	Lumens	%
FL - Front - Low (0-30)	2,111	12%
FM - Front - Medium (30-60)	6,330	35%
FH - Front - High (60-80)	2,860	16%
FVH - Front - Very High (80-90)	127	1%
Total Forward Light	11,428	62%
BL - Back - Low (0-30)	2,072	11%
BM - Back - Medium (30-60)	3,927	21%
BH - Back - High (60-80)	801	4%
BVH - Back - Very High (80-90)	32	0%
Total Back Light	6,833	37%
UL - Up Light - Low (90-100)	2	0%
UH - Up Light - High (100-180)	40	0%
Total Up Light	42	0%
Total Lumens	18,303	100%

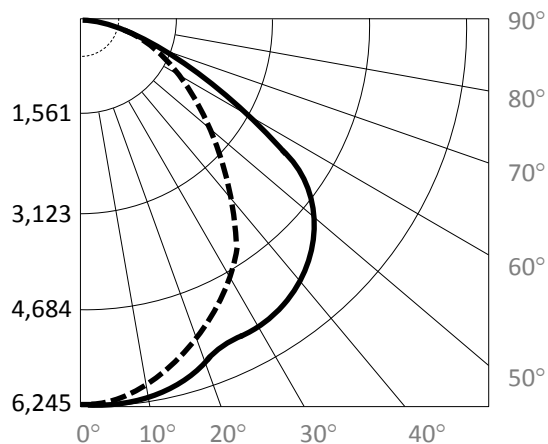
JGMPAL150-5K (18,752 Lumens , Type V Distribution)



BUG Rating: B3-U2-G2

Zone	Lumens	%
FL - Front - Low (0-30)	2,427	13%
FM - Front - Medium (30-60)	5,077	27%
FH - Front - High (60-80)	1,832	10%
FVH - Front - Very High (80-90)	186	1%
Total Forward Light	9,522	51%
BL - Back - Low (0-30)	2,338	12%
BM - Back - Medium (30-60)	4,982	27%
BH - Back - High (60-80)	1,693	9%
BVH - Back - Very High (80-90)	170	1%
Total Back Light	9,182	49%
UL - Up Light - Low (90-100)	3	0%
UH - Up Light - High (100-180)	45	0%
Total Up Light	48	0%
Total Lumens	18,752	100%

JGMPAL150 150 Watt Multi-Purpose LED Area Light



Maximum Candela = 6,245

— Horizontal
- - - Vertical

NEMA Floodlight Type Data

Field Angles:

- Horizontal 160°
- Vertical 163°

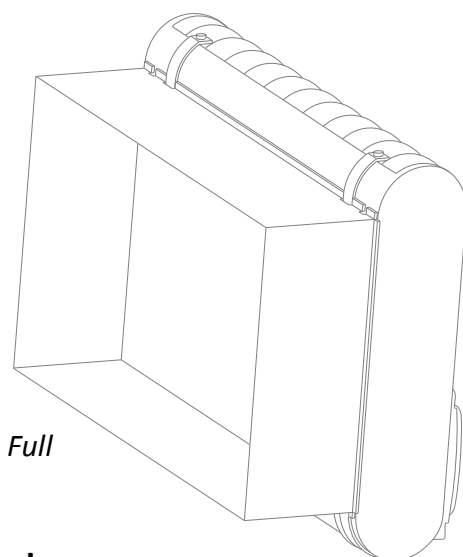
NEMA Type:

- Horizontal 7H
- Vertical 7V

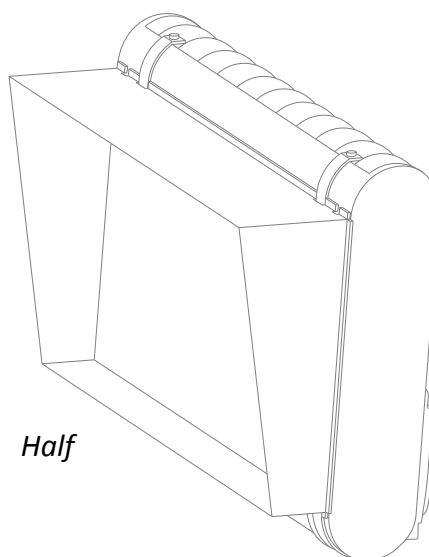
Luminaire Orientation:



Shields



Full



Half

Wire Guards

