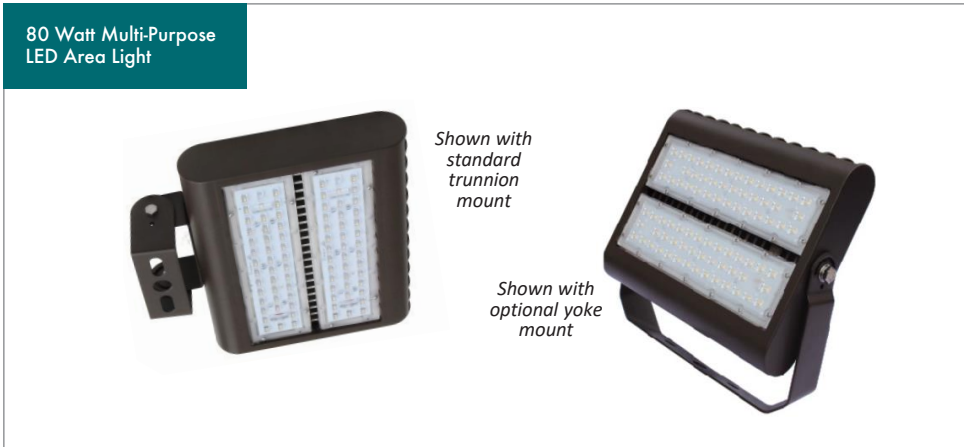


80 Watt Multi-Purpose LED Area Light

The LEDMPAL 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 LEDMPAL a versatile luminaire for flood lighting, pole-, ground- and wall-mounted area lighting, and other outdoor lighting requirements.

Prefix: LEDMPAL80



project:

fixture type:

catalog #:

quantity:



EXAMPLES: (Slip-Fitter, Type III): LEDMPAL80-T-4K-T3+LEDMPAL-SF-80/300
(Yoke, Type V): LEDMPAL80-Y-4K(no options available)
(Arm, NEMA 7H x 7V): LEDMPAL80-T-4K+LEDMPAL-A-80/300

ORDERING GUIDE

LEDMPAL80				
MODEL	MOUNTING OPTIONS	COLOR TEMPERATURE	DISTRIBUTION TYPE	OPTIONS* (ORDER SEPARATELY)
LEDMPAL80 - 80 Watt Multi-Purpose LED Area Light	T - Trunnion Mount* Y - Yoke Mount	3K - 3000k 4K - 4000k 5K - 5000k	TV - Type V (Standard) T3 - Type III	LEDMPAL-SF-80/300 - Slip-Fitter Mount LEDMPAL-A-80/300 - Steel Arm Mount MPAL-80/100/150-FGS - Full Glare Shield MPAL-80/100/150-HGS - Half Glare Shield MPAL-80/100/150-WG - Wire Guard

* 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: For NEMA flood 7H x 7V distributions, order the Type V option.

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 (L70).**
- 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.

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..

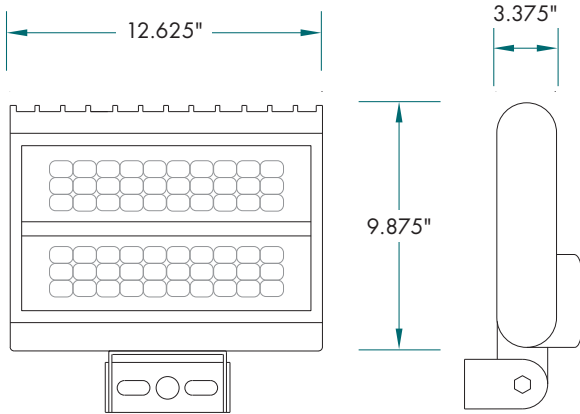
MOUNTING OPTIONS

- 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.

* Contact factory for other color temperatures and lumen packages

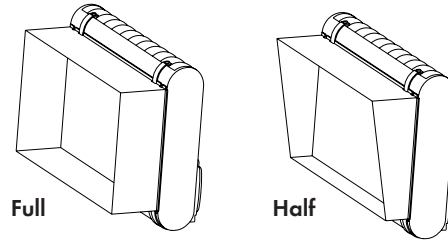
** L₇₀ hours are IES TM-21-11 calculated hours.

Dimensions

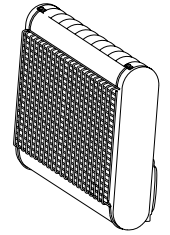


Weight: 9.6 lb

Shields



Wire Guards



Electrical Data

Model	Color Temp.	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens/Watt	Input Voltage ²	Input Current			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
LEDMPAL80-3K-T3	3000k	>80	9,257	80	116	120-277	0.67	0.33	0.29	>90%	<20%	69,000
LEDMPAL80-4K-T3	4000k	>80	10,307	80	129	120-277	0.67	0.33	0.29	>90%	<20%	69,000
LEDMPAL80-5K-T3	5000k	>80	10,542	80	132	120-277	0.67	0.33	0.29	>90%	<20%	69,000
LEDMPAL80-3K	3000k	>80	9,725	80	122	120-277	0.67	0.33	0.29	>90%	<20%	69,000
LEDMPAL80-4K	4000k	>80	10,033	80	125	120-277	0.67	0.33	0.29	>90%	<20%	69,000
LEDMPAL80-5K	5000k	>80	10,342	80	129	120-277	0.67	0.33	0.29	>90%	<20%	69,000

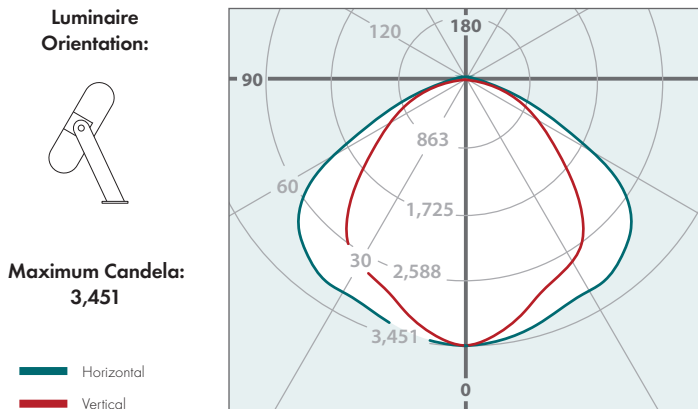
¹ Color rendering index.

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

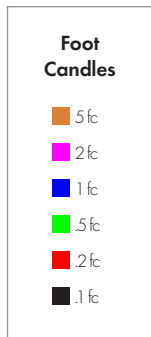
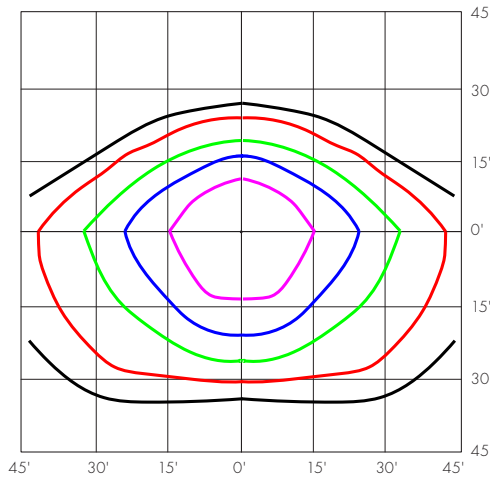


NEMA Floodlight Type Data

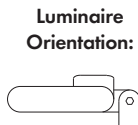
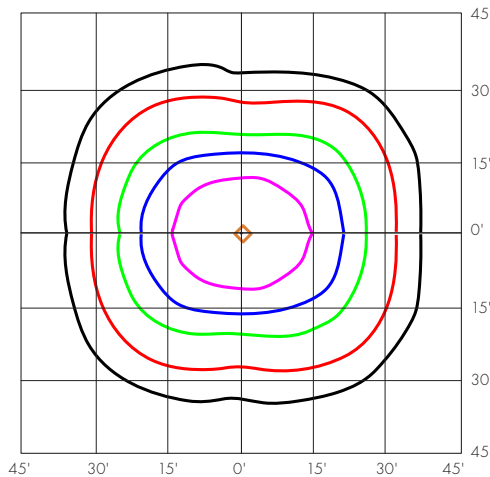
Field Angles	
Horizontal	171°
Vertical	162°
NEMA Type	
Horizontal	7H
Vertical	7V

Photometric Data (continued)

LEDMPAL80-5K
(10,542 Lumens, Type III [T3] Distribution)



LEDMPAL80-5K
(10,342 Lumens, Type V Distribution)



BUG Rating: B3-U2-G2

Zone	Lumens	% Luminaire
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-Low (0-30)	1	0%
UM - Up-Medium (30-60)	21	0%
Total Up Light	22	0%
TOTAL LUMENS	10,542	100%

BUG Rating: B3-U2-G2

Zone	Lumens	% Luminaire
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	50.0%
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	50.0%
UL - Up-Low (0-30)	1	0%
UM - Up-Medium (30-60)	22	0%
Total Up Light	23	0%
TOTAL LUMENS	10,342	100%

Notes: (1) Isofootcandle plots depict initial footcandles at grade.
(2) Gridlines represent units of mounting height of 15 feet.