

MPAL PRO 80 Watt, Premium Multi-Purpose LED Area Luminaire

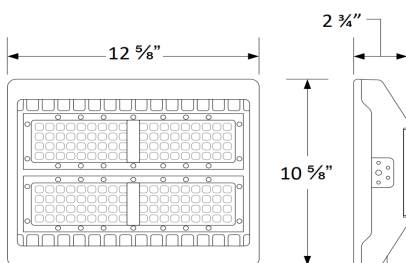


The MPALPRO 80 series is a group of premium architectural LED area luminaires designed to illuminate parking areas, pathways, building facades, loading docks, and a wide variety of other large, general site lighting applications. Multiple mounting options make the MPALPRO 80 a versatile luminaire for flood lighting, pole-, ground- and wall-mounted area lighting, and other outdoor lighting requirements.

WARRANTY/LISTING

- 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



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 (L70).**
- Available models provide from 9,816 to 18,408 lumens, and from 117 to 131 lumens per watt (LPW).*
- IES roadway photometric distributions include types II-V.
- NEMA floodlight distributions include very narrow (3H x 3V), medium narrow (4H x 4V), medium wide (5H x 5V) & very wide (7H x 7V).
- 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.
- Optional NEMA photocell installation kit provides watertight photocell attachment to driver enclosure cover.
- 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.
- Driver enclosure is sealed with a water-tight, silicon rubber gasket.
- Effective projected areas (EPA's) are:
 - Front = 0.24 square feet
 - Side = 0.29 square feet
 - Face = 1.10 square feet
- Easy installation in new construction or retrofit applications.

* Contact factory for other color temperatures and lumen packages.

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

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MPAL PRO 80 WATT ORDERING INFORMATION

Model	Mounting Options	Color Temperature	Distribution Type	Options (Order Separately)
MPALPRO 80	Y = Yoke Mount T = Trunnion Mount	4K = 4000K 5K = 5000K	T3= Type III = Type V	FGS= Full Glare Sheild HGS= Half GLare Sheild WG= Wire Gaurd

Order Example:
MPALPRO80-Y-4K

SPECIFICATIONS

Model	Color Temp	CRI ¹	Luminaire Lumens	Watts	Lumens Per Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
MPALPRO80-X-4K-T3	4000K	> 80	10439	81	128.9	120-277	0.68	0.34	0.29	> 90%	< 20%	372000
MPALPRO80-X-5K-T3	5000K	> 80	10613	81	131.0	120-277	0.68	0.34	0.29	> 90%	< 20%	372000
MPALPRO80-X-4K	4000K	>80	9816	81	121.2	120-277	0.68	0.34	0.29	> 90%	< 20%	372000
MPALPRO80-X-5K	5000K	>80	10008	81	123.6	120-277	0.68	0.34	0.29	> 90%	< 20%	372000

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.

