

# MPAL PRO 50 Watt, Premium Multi-Purpose LED Area Luminaire



The MPAL PRO 50 Watt 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 MPAL PRO 50 Watt a versatile luminaire for flood lighting, pole-, ground-and wall-mounted area lighting, and other outdoor lighting requirements.

## MOUNTING

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

## WARRANTY/LISTING

- cULus listed for wet locations in ambient temperatures from  $-20^{\circ}\text{C}$  to  $45^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $113^{\circ}\text{F}$ ).
- 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 (2kV).
- 5-year warranty of all electronics and housing.

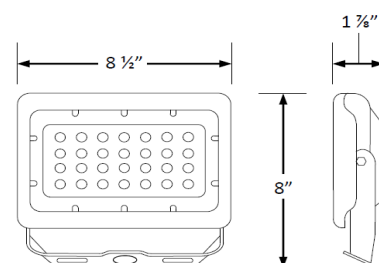
## FEATURES

- Available in 3000k (warm white), 4000k (neutral white) and 5000k (cool white) color temperatures.\*
- Long-life LEDs provide 230,000 hours of operation with at least 70% of initial lumen output (L70).\*\*
- LEDMPALPRO50 provides 5,717 lumens (117 lumens per watt, LPW) at 3000k; 5,778 lumens (118 LPW) at 4000k; and 5,793 lumens (118 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 = 0.15 s.f.(knuckle) / 0.13 s.f.(yoke)
  - Side = 0.18 s.f.(knuckle) / 0.13 s.f.(yoke)
  - Face = 0.73 s.f.(knuckle) / 0.57 s.f.(yoke)
- 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.

## DIMENSIONS



# MPAL PRO 50 Watt, Premium Multi-Purpose LED Area Luminaire

## MPAL PRO 50 WATT ORDERING INFORMATION

Model	Mounting Options	Color Temperature
MPALPRO 50	Y = Yoke Mount K = Knuckle Mount	3K = 3000K 4K = 4000K 5K = 5000K

**Order Example:**  
MPALPRO50-Y-3K

## SPECIFICATIONS

Model	Color Temp	CRI <sup>1</sup>	Luminaire Lumens	Watts	Lumens Per Watt	Input Voltage <sup>2</sup>	Input Current (A)			Power Factor	THD <sup>3</sup>	L <sub>70</sub> Hours <sup>4</sup>
MPALPRO50	3000K	> 80	3404	30	113	120-277	120V	240V	277V	> 90%	< 20%	372000
	4000K	> 80	3427	30	114	120-277	0.25	0.13	0.11	> 90%	< 20%	372000
	5000K	> 80	3432	30	114	120-277	0.25	0.13	0.11	> 90%	< 20%	372000
							0.25	0.13	0.11			

<sup>1</sup> Color rendering index.

<sup>2</sup> All 50-60Hz.

<sup>3</sup> Total harmonic distortion.

<sup>4</sup> L<sub>70</sub> refers to the number of hours at which lumen output declines to 70% of the initial level. L<sub>70</sub> hours are IES TM-21-11 calculated hours.

