

MPALPRO Multi-Purpose LED Area Light 13,000–20,000 Lumens



Project:	
Type:	
Catalog #:	



Shown with standard slip-fitter

STANDARD



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

FEATURES

- Available in 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide 142,000 to 152,000 hours of operation with at least 70% of initial lumen output (L_{70}).**
- Delivers from 13,139 lumens (134 lumens per watt, LPW) to 20,131 lumens (131 LPW).*
- Standard optic provides an IES roadway type III distribution, or a 7H (horizontal) x 7V (vertical) NEMA floodlight distribution.
- Models operating at both 120-277 & 347-480 AC voltage (50-60Hz) are available.
- 0-10vdc dimming drivers are standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- 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.
- Threaded receptacle ($\frac{1}{2}$ " NPS) for photocell. Optional arms 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.

WARRANTY & LISTINGS

- cULus listed for wet locations in ambient temperatures from -40°C to 40°C (-40°F to 104°F).
- IP65 rated.
- DLC premium approved.
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- Complies with FCC Part 15, class B.
- Complies with IEEE C.62.41-1991, input transient protection (2-4kV).
- 5-year warranty of all electronics and housing.

MOUNTING OPTIONS

- Slip-fitter mount is standard. Provides attachment to poles ($2\frac{3}{8}$ " O.D. tenon).
- Optional trunnion and steel arm mounts provide secure attachment to flat surfaces, or use the adaptor for round poles.

Trunnion Mount Option

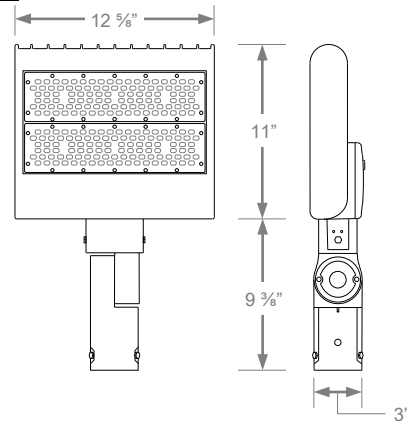


Steel Arm Mount Option



Round Pole Adaptor (compatible with 4-6" poles)

DIMENSIONS



Weight: 15.0 lbs. (13,000 lumen) / 15.4 lbs. (20,000 lumens)

ORDERING INFORMATION

Example: MPALPRO-13-4K-UNV-SF-T3 + MPALPRO-T-100/230

Multi-purpose area luminaire, 13,000 nominal lumens, 4000k, 120-277V, slip-fitter mount, type III distribution + trunnion mount

Model	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Color Temperature	Input Voltage	Options (Order Separately)
MPALPRO-13-4K-UNV-SF-T3	13,139	98	134	4K = 4000k	120-277	MPALPRO-T-100/230 = Trunnion mount – 13K, 20K & 31K models
MPALPRO-13-5K-UNV-SF-T3	13,418	98	137	5K = 5000k	120-277	
MPALPRO-20-4K-UNV-SF-T3	19,538	153	128	4K = 4000k	120-277	MPALPRO-A-100/300 = Arm mount – all models
MPALPRO-20-5K-UNV-SF-T3	19,781	153	129	5K = 5000k	120-277	
MPALPRO-13-4K-UNC-SF-T3	13,360	99	135	4K = 4000k	347-480	LEDMPAL-APA-80/300 = Round Pole Adaptor (compatible with 4-6" poles)
MPALPRO-13-5K-UNC-SF-T3	13,649	99	138	5K = 5000k	347-480	
MPALPRO-20-4K-UNC-SF-T3	19,931	154	129	4K = 4000k	347-480	
MPALPRO-20-5K-UNC-SF-T3	20,131	154	131	5K = 5000k	347-480	

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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			
MPALPRO-13-4K-UNV-SF-T3	4K = 4000k	> 80	13,139	98	134	120-277	0.82	0.41	0.35	> 90%	< 20%	152,000
MPALPRO-13-5K-UNV-SF-T3	5K = 5000k	> 80	13,418	98	137	120-277	0.82	0.41	0.35	> 90%	< 20%	152,000
MPALPRO-20-4K-UNV-SF-T3	4K = 4000k	> 80	19,538	153	128	120-277	1.28	0.64	0.55	> 90%	< 20%	142,000
MPALPRO-20-5K-UNV-SF-T3	5K = 5000k	> 80	19,781	153	129	120-277	1.28	0.64	0.55	> 90%	< 20%	142,000
							347V	480V				
MPALPRO-13-4K-UNC-SF-T3	4K = 4000k	> 80	13,360	99	135	347-480	0.29	0.21		> 90%	< 20%	152,000
MPALPRO-13-5K-UNC-SF-T3	5K = 5000k	> 80	13,649	99	138	347-480	0.28	0.20		> 90%	< 20%	152,000
MPALPRO-20-4K-UNC-SF-T3	4K = 4000k	> 80	19,931	154	129	347-480	0.44	0.32		> 90%	< 20%	142,000
MPALPRO-20-5K-UNC-SF-T3	5K = 5000k	> 80	20,131	154	131	347-480	0.44	0.32		> 90%	< 20%	142,000

¹ Color rendering index.

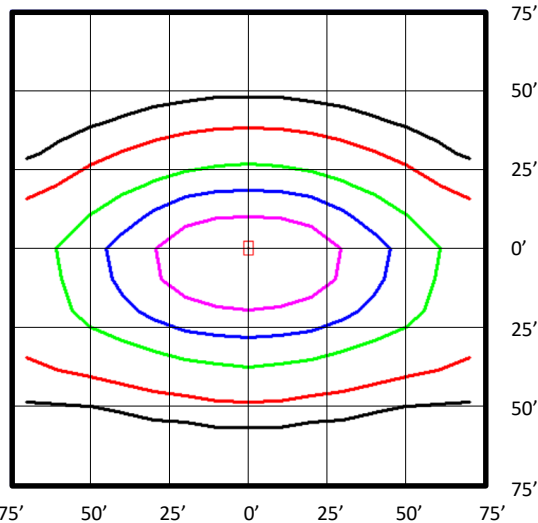
² All 50-60Hz.

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

MPALPRO-13-4K-UNV-SF-T3 (13,139 Lumens)



BUG Rating: B3-U0-G3

Zone	Lumens	%
FL - Front - Low (0-30)	1,347	10%
FM - Front - Medium (30-60)	4,014	31%
FH - Front - High (60-80)	2,726	21%
FVH - Front - Very High (80-90)	282	2%
Total Forward Light	8,368	64%
BL - Back - Low (0-30)	943	7%
BM - Back - Medium (30-60)	2,277	17%
BH - Back - High (60-80)	1,469	11%
BVH - Back - Very High (80-90)	82	1%
Total Back Light	4,771	36%
UL - Up Light - Low (90-100)	0	0%
UH - Up Light - High (100-180)	0	0%
Total Up Light	0	0%
Total Lumens	13,139	100%