

MPALPRO Multi-Purpose LED Area Light, 40,000 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 hours of operation with at least 70% of initial lumen output (L_{70}).**
- Delivers from 39,326 lumens (135 lumens per watt, LPW) to 40,843 lumens (136 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

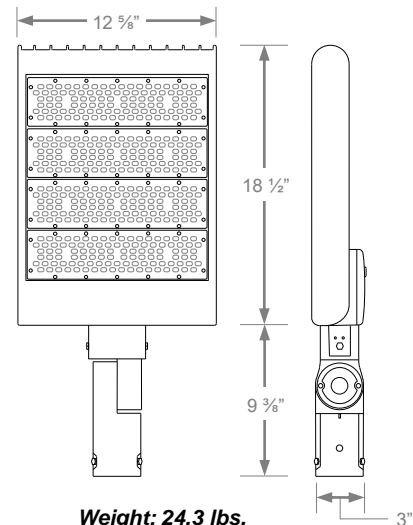
- cULus listed for wet locations in ambient temperatures from -40°C to 40°C (-40°F to 104°F).
- IP65 rated.
- DLC premium approved.
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- Complies with FCC Part 15, class B.
- Complies with IEEE C.62.41-1991, input transient protection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



DIMENSIONS



ORDERING INFORMATION

Example: MPALPRO-40-4K-UNV-SF-T3 + MPALPRO-T-300

Multi-purpose area luminaire, 40,000 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-40-4K-UNV-SF-T3 | 39,326 | 291 | 135 | 4K = 4000k | 120-277 | MPALPRO-T-300 = Trunnion mount – 40K model |
| MPALPRO-40-5K-UNV-SF-T3 | 40,522 | 291 | 139 | 5K = 5000k | 120-277 | MPALPRO-A-100/300 = Arm mount – all models |
| MPALPRO-40-4K-UNC-SF-T3 | 39,597 | 301 | 132 | 4K = 4000k | 347-480 | LEDMPAL-APA-80/300 = Round Pole Adaptor (compatible with 4-6" poles) |
| MPALPRO-40-5K-UNC-SF-T3 | 40,843 | 301 | 136 | 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-40-4K-UNV-SF-T3 | 4K = 4000k | > 80 | 39,326 | 291 | 135 | 120-277 | 2.43 | 1.21 | 1.05 | > 90% | < 20% | 142,000 |
| MPALPRO-40-5K-UNV-SF-T3 | 5K = 5000k | > 80 | 40,522 | 291 | 139 | 120-277 | 2.43 | 1.21 | 1.05 | > 90% | < 20% | 142,000 |
| | | | | | | | 347V | 480V | | | | |
| MPALPRO-40-4K-UNC-SF-T3 | 4K = 4000k | > 80 | 39,597 | 301 | 132 | 347-480 | 0.87 | 0.63 | | > 90% | < 20% | 142,000 |
| MPALPRO-40-5K-UNC-SF-T3 | 5K = 5000k | > 80 | 40,843 | 301 | 136 | 347-480 | 0.87 | 0.63 | | > 90% | < 20% | 142,000 |

¹ Color rendering index.

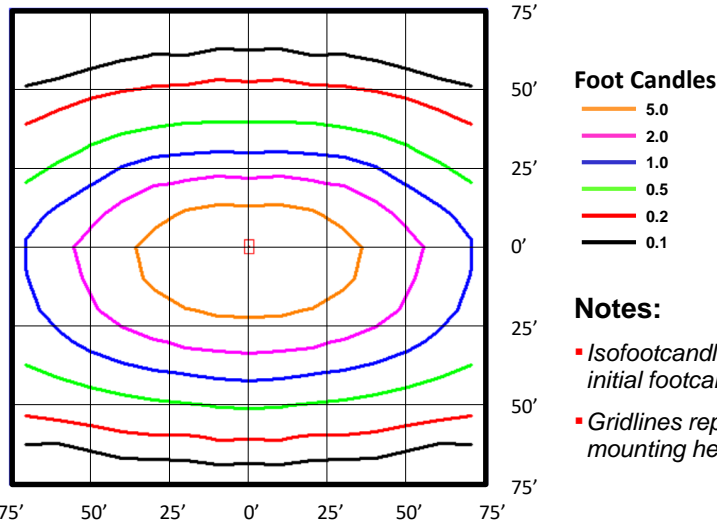
² All 50-60Hz.

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-40-4K-UNV-SF-T3 (39,326 Lumens)



BUG Rating: B4-U0-G5

| Zone | Lumens | % |
|---------------------------------|---------------|-------------|
| FL - Front - Low (0-30) | 4,107 | 10% |
| FM - Front - Medium (30-60) | 12,073 | 31% |
| FH - Front - High (60-80) | 7,765 | 20% |
| FVH - Front - Very High (80-90) | 757 | 2% |
| Total Forward Light | 24,702 | 63% |
| BL - Back - Low (0-30) | 2,960 | 8% |
| BM - Back - Medium (30-60) | 6,969 | 18% |
| BH - Back - High (60-80) | 4,441 | 11% |
| BVH - Back - Very High (80-90) | 255 | 1% |
| Total Back Light | 14,624 | 37% |
| UL - Up Light - Low (90-100) | 0 | 0% |
| UH - Up Light - High (100-180) | 0 | 0% |
| Total Up Light | 0 | 0% |
| Total Lumens | 39,326 | 100% |