

LEDMPAL50

50 Watt Multi-Purpose LED Area Light



| | |
|------------|--|
| Project: | |
| Type: | |
| Catalog #: | |

STANDARD



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.

FEATURES

- Available in 4000K (neutral white) and 5000K (cool white).*
- Long-life LEDs provide 67,000 hours of operation with at least 70% of initial lumen output (L_{70}).^{**}
- Delivers 4,907 lumens and 102 lumens per watt.*
- Universal 100-277 AC voltage (50-60Hz) is 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.
- Effective projected areas (EPA's) are: Front = 0.13 sf; Side = 0.09 sf; and Face = 0.43 sf.
- 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.



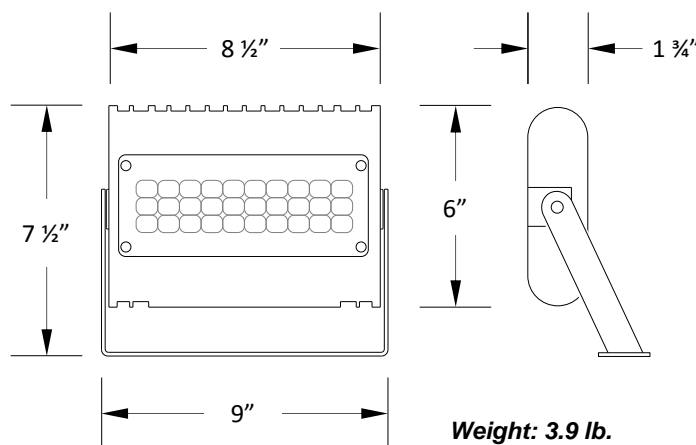
WARRANTY & LISTINGS

- cULus listed for wet locations (-30°C to 40°C / -22°F to 104°F)
- IP65 rated.
- DLC approved.
- Tested to UL1598, UL8750 and IEC60598 safety standards.
- 5-year warranty on all electronics and housing.

MOUNTING OPTIONS

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

DIMENSIONS



ORDERING INFORMATION

Example: LEDMPAL50-Y-4K

| Model | Luminaire Watts | Luminaire Lumens | Lumens / Watt | Mounting Options | Color Temperature |
|-----------|-----------------|------------------|---------------|-------------------------------------|--------------------------|
| LEDMPAL50 | 48 | 4,907 | 102 | Y = Yoke Mount K = Knuckle Mount | 4K = 4000k 5K = 5000k |

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ELECTRICAL DATA

| Model | Color Temperature | CRI ¹ | Luminaire Lumens | Luminaire Watts | Lumens Per Watt | Input Voltage | Input Current (A) | | | Power Factor | THD ² | L ₇₀ Hours ³ |
|--------------|-------------------|------------------|------------------|-----------------|-----------------|-------------------|-------------------|------|------|--------------|------------------|------------------------------------|
| | | | | | | | 120V | 240V | 277V | | | |
| LEDMPAL50-4K | 4000k | > 80 | 4,907 | 48 | 102 | 120-277 (50-60Hz) | 0.40 | 0.20 | 0.17 | > 90% | < 20% | 67,000 |
| LEDMPAL50-5K | 5000k | > 80 | 4,907 | 48 | 102 | 120-277 (50-60Hz) | 0.40 | 0.20 | 0.17 | > 90% | < 20% | 67,000 |

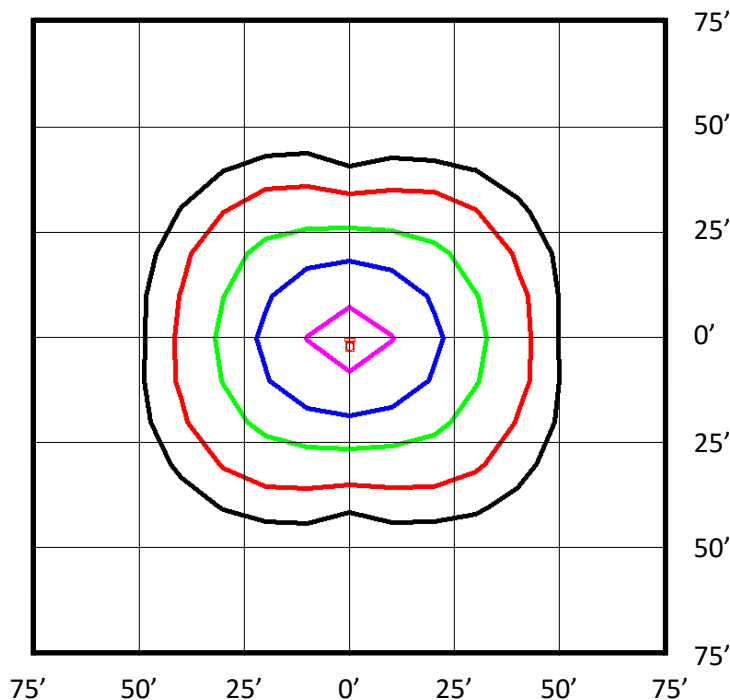
¹ Color rendering index

² Total harmonic distortion

³ 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

LEDMPAL50-4K (4,907 Lumens , Type V Distribution)



BUG Rating: B2-U1-G1

| Zone | Lumens | % |
|---------------------------------|--------|------|
| FL - Front - Low (0-30) | 646 | 13% |
| FM - Front - Medium (30-60) | 1,352 | 28% |
| FH - Front - High (60-80) | 430 | 9% |
| FVH - Front - Very High (80-90) | 53 | 1% |
| Total Forward Light | 2,481 | 51% |
| BL - Back - Low (0-30) | 633 | 13% |
| BM - Back - Medium (30-60) | 1,338 | 27% |
| BH - Back - High (60-80) | 402 | 8% |
| BVH - Back - Very High (80-90) | 46 | 1% |
| Total Back Light | 2,419 | 49% |
| UL - Up Light - Low (90-100) | 1 | 0% |
| UH - Up Light - High (100-180) | 6 | 0% |
| Total Up Light | 7 | 0% |
| Total Lumens | 4,906 | 100% |

Foot Candles

| |
|-----|
| 5.0 |
| 2.0 |
| 1.0 |
| 0.5 |
| 0.2 |
| 0.1 |

Notes:

- Isofootcandle plots depict initial footcandles at grade.
- Gridlines represent units of mounting height of 25 feet.