

MULTIPURPOSE AREA LIGHT

- **MPL** series is a complete family of low profile, multipurpose area luminaires that provide an easy solution for most outdoor illumination applications.
- ANSI 3000K, 4000K, 5000K CCT, >80 CRI.
- **LUMENS:** **15W:** 1600 lumens
30W: 3400 lumens
50W: 5750 lumens
- **EFFICACY:** Up to 118 lm/W.
- **PROJECTED LUMEN MAINTENANCE:**
 L70 @ >54,000 hrs
- **OPERATING TEMP:**
 -4°F to 113°F (-20°C to 45°C)



APPLICATION: The **MPL** is ideal for walkways, building complexes, landscape, facades, monuments, security, signage and a variety of other site lighting applications.

CONFIGURATIONS

| SERIES | MODEL ¹ | COLOR TEMP | INPUT | MOUNTING | OPTIONS |
|--------|--------------------|--------------|----------|--------------------|-------------------------|
| MPL | 15 | WT30 (3000K) | 120-277V | YM (yoke mount) | FGS (full glare shield) |
| | 30 | WT40 (4000K) | | KM (knuckle mount) | HGS (half glare shield) |
| | 50 | WT50 (5000K) | | | WG (wireguard) |
| | | | | | |
| | | | | | |

NOTE 1: Type 5 distribution only.

TECHNICAL INFORMATION

EXTERNAL:

- Die-cast aluminum housing with a durable, dark bronze powder coat finish, > 2 mm on all surfaces.
- Heat resistant polycarbonate lens.
- Fully gasketed for IK09 impact resistance and IP66 rating.

ELECTRICAL:

- Universal 120-277 AC voltage (50-60Hz) is standard.
- Total harmonic distortion < 20%.

OPTIONAL:

- Half glare shield, Full glare shield, wire guard.

EFFECTIVE PROJECTED AREAS (EPA):

- 15W:**
- Front = 0.05 s.f. (knuckle) / 0.06 s.f. (yoke)
 - Side = 0.07 s.f. (knuckle & yoke)
 - Face = 0.20 s.f. (knuckle) / 0.23 s.f. (yoke)
- 30W:**
- Front = 0.12 s.f. (knuckle) / 0.10 s.f. (yoke)
 - Side = 0.15 s.f. (knuckle) / 0.09 s.f. (yoke)
 - Face = 0.55 s.f. (knuckle) / 0.42 s.f. (yoke)
- 50W:**
- Front = 0.05 s.f. (knuckle) / 0.13 s.f. (yoke)
 - Side = 0.07 s.f. (knuckle) / 0.13 s.f. (yoke)
 - Face = 0.20 s.f. (knuckle) / 0.57 s.f. (yoke)

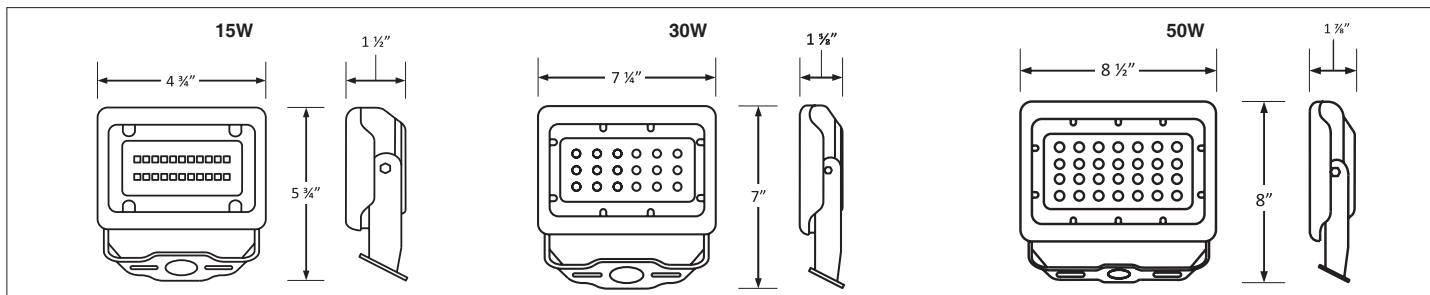
MOUNTING:

- Aluminum die-cast knuckle-mount option is installed on a junction box. Includes 1/2" NPS stem with locking nut.
- Yoke mount option provides secure attachment to flat surfaces.
- Easy installation in new construction or retrofit applications.

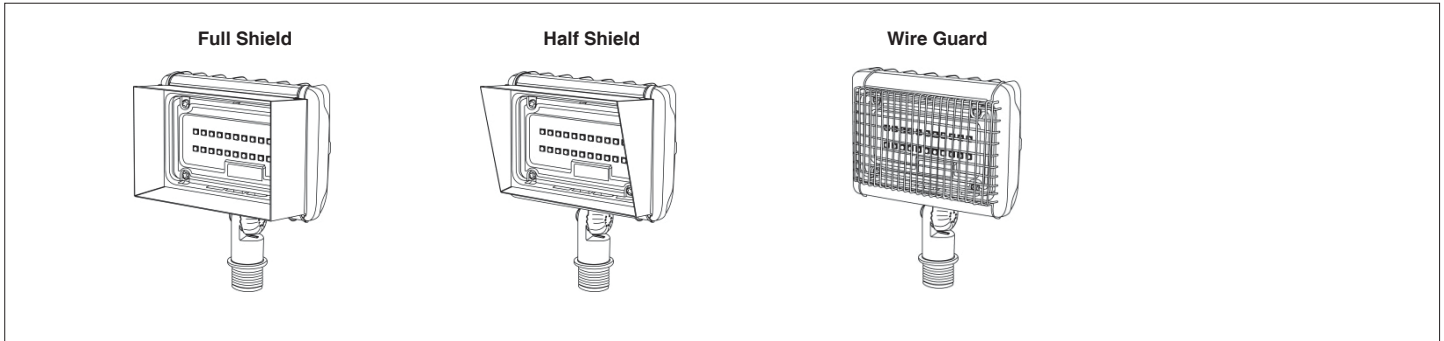
WEIGHT: **15W:** 0.9 lbs (knuckle) / 1.1 lbs (yoke)
30W: 2.5 lbs (knuckle & yoke)
50W: 3.6 lbs (knuckle & yoke)

WARRANTY: 5 year warranty, see website for full warranty details.

DIMENSIONS



SHIELDS & WIRE GUARDS



PHOTOMETRICS

MPL15-3000K (1,593 Lumens, Type V Distribution)

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.

Luminaire Orientation:

Maximum Candela = 599

— Horizontal
- - - Vertical

NEMA Floodlight Type Data

Field Angles:

- Horizontal 152°
- Vertical 144°

NEMA Type:

- Horizontal 7H
- Vertical 7V

Luminaire Orientation:

| BUG Rating: B1-U0-G0 | | |
|---------------------------------|--------------|-------------|
| Zone | Lumens | % |
| FL - Front - Low (0-30) | 237 | 15% |
| FM - Front - Medium (30-60) | 426 | 27% |
| FH - Front - High (60-80) | 97 | 6% |
| FVH - Front - Very High (80-90) | 3 | 0% |
| Total Forward Light | 763 | 48% |
| BL - Back - Low (0-30) | 240 | 15% |
| BM - Back - Medium (30-60) | 464 | 29% |
| BH - Back - High (60-80) | 121 | 8% |
| BVH - Back - Very High (80-90) | 5 | 0% |
| Total Back Light | 830 | 52% |
| UL - Up Light - Low (90-100) | 0 | 0% |
| UH - Up Light - High (100-180) | 0 | 0% |
| Total Up Light | 0 | 0% |
| Total Lumens | 1,593 | 100% |

MPL30-3000K (3,404 Lumens, Type V Distribution)

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.

Luminaire Orientation:

Maximum Candela = 1315

— Horizontal
- - - Vertical

NEMA Floodlight Type Data

Field Angles:

- Horizontal 147°
- Vertical 147°

NEMA Type:

- Horizontal 7H
- Vertical 7V

Luminaire Orientation:

| BUG Rating: B2-U0-G0 | | |
|---------------------------------|--------------|-------------|
| Zone | Lumens | % |
| FL - Front - Low (0-30) | 514 | 15% |
| FM - Front - Medium (30-60) | 976 | 29% |
| FH - Front - High (60-80) | 233 | 7% |
| FVH - Front - Very High (80-90) | 6 | 0% |
| Total Forward Light | 1,729 | 51% |
| BL - Back - Low (0-30) | 513 | 15% |
| BM - Back - Medium (30-60) | 957 | 28% |
| BH - Back - High (60-80) | 200 | 6% |
| BVH - Back - Very High (80-90) | 5 | 0% |
| Total Back Light | 1,675 | 49% |
| UL - Up Light - Low (90-100) | 0 | 0% |
| UH - Up Light - High (100-180) | 0 | 0% |
| Total Up Light | 0 | 0% |
| Total Lumens | 3,404 | 100% |

MPL50-3000K (5,717 Lumens, Type V Distribution)

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.

Luminaire Orientation:

Maximum Candela = 2179

— Horizontal
- - - Vertical

NEMA Floodlight Type Data

Field Angles:

- Horizontal 148°
- Vertical 149°

NEMA Type:

- Horizontal 7H
- Vertical 7V

Luminaire Orientation:

| BUG Rating: B2-U0-G0 | | |
|---------------------------------|--------------|-------------|
| Zone | Lumens | % |
| FL - Front - Low (0-30) | 856 | 15% |
| FM - Front - Medium (30-60) | 1,606 | 28% |
| FH - Front - High (60-80) | 412 | 7% |
| FVH - Front - Very High (80-90) | 9 | 0% |
| Total Forward Light | 2,883 | 50% |
| BL - Back - Low (0-30) | 852 | 15% |
| BM - Back - Medium (30-60) | 1,592 | 28% |
| BH - Back - High (60-80) | 383 | 7% |
| BVH - Back - Very High (80-90) | 7 | 0% |
| Total Back Light | 2,834 | 50% |
| UL - Up Light - Low (90-100) | 0 | 0% |
| UH - Up Light - High (100-180) | 0 | 0% |
| Total Up Light | 0 | 0% |
| Total Lumens | 5,717 | 100% |

ENERGY CHART

| MODEL | CONSUMPTION WATTAGE | COLOR TEMP | EFFICACY | INPUT CURRENT | | | LUMEN OUTPUT | CRI | L70 (hrs.) |
|------------|---------------------|------------|----------|---------------|------|------|--------------|-----|------------|
| | | | | 120V | 240V | 277V | | | |
| MPL15-WT30 | 15W | 3000K | 114 lm/W | 0.41 | 0.20 | 0.18 | 1593 | >80 | 54,000 |
| MPL15-WT40 | 15W | 4000K | 115 lm/W | 0.41 | 0.20 | 0.18 | 1603 | >80 | 54,000 |
| MPL15-WT50 | 15W | 5000K | 116 lm/W | 0.41 | 0.20 | 0.18 | 1624 | >80 | 54,000 |
| MPL30-WT30 | 30W | 3000K | 113 lm/W | 0.25 | 0.13 | 0.11 | 3404 | >80 | 54,000 |
| MPL30-WT40 | 30W | 4000K | 114 lm/W | 0.25 | 0.13 | 0.11 | 3427 | >80 | 54,000 |
| MPL30-WT50 | 30W | 5000K | 114 lm/W | 0.25 | 0.13 | 0.11 | 3432 | >80 | 54,000 |
| MPL50-WT30 | 50W | 3000K | 117 lm/W | 0.12 | 0.06 | 0.05 | 5717 | >80 | 54,000 |
| MPL50-WT40 | 50W | 4000K | 118 lm/W | 0.12 | 0.06 | 0.05 | 5778 | >80 | 54,000 |
| MPL50-WT50 | 50W | 5000K | 118 lm/W | 0.12 | 0.06 | 0.05 | 5793 | >80 | 54,000 |