

Specifications

Construction:

- Die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling.
- The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life.
- All hardware is corrosion resistant stainless steel.
- Housing is completely sealed against moisture and environmental contaminants.

Optics:

- Optics(NEMA Type): 7H*7V
- Light engines are available in standard 4000 K and 5000 K (70 CRI) configurations.
- Scalable Lumen Packages from 14,200 to 51,000 Lumens replaces up to 1000W Metal Halide.
- A variety of precision-molded vacuum-metallized specular reflectors are engineered for superior target illumination, uniformity and spacing.

Electrical:

- Universal 120-277 VAC or 347-480 VAC input voltage
- Standard with 1-10V dimming driver(s)
- UL Class 2 drivers
- Both drivers have a power factor >90%, THD <20%, and an expected life of 100,000 hours.

Controls:

- Optional Photocell

Ambient Temperature:

- Ambient operating temperature -40° C to 45° C (-40° F to 113° F).

Installation:

- Slipfitter, Trunnion, Yoke and Wall mount are all available.

Finish:

- It's available in black or optional dark bronze, silvery gray or white.



Black



Dark Bronze



Silver Gray



White

Certifications:

- UL listed for wet location



Medium Size: 100W/150W/200W

Large Size: 250W/300W/350W



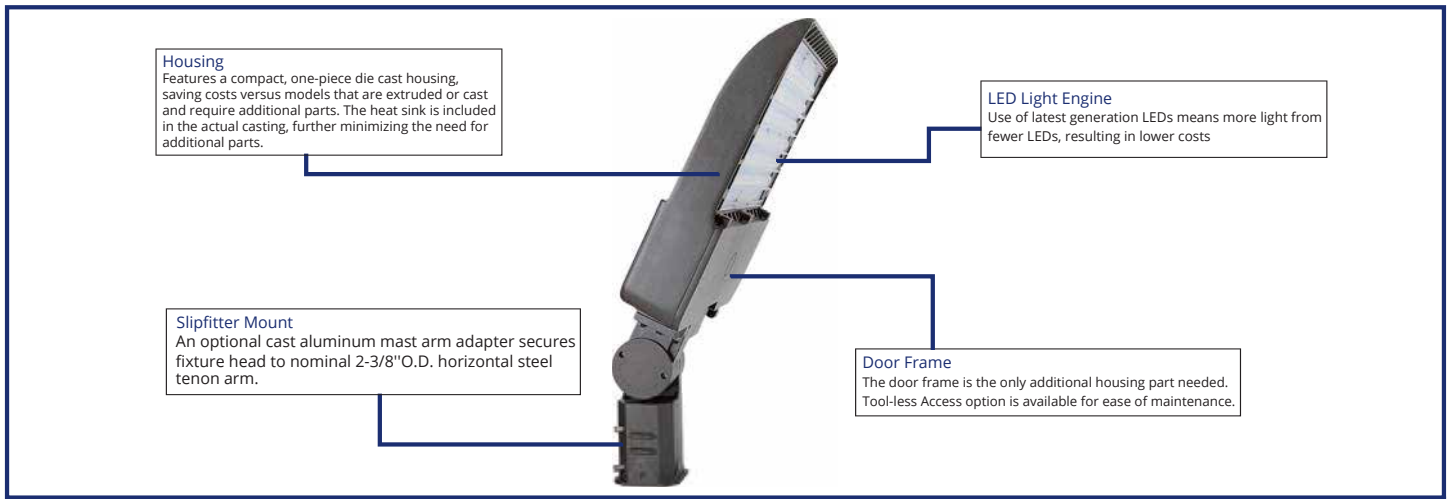
Note:

Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25° C (±5° C) specifications subject to change without notice.

Applications:

Facade, Wall Washing, Landscape lighting, Poster board lighting, Building lighting.





PERFORMANCE DATA

| SYSTEM WATTS | VOLTAGE | DIST.TYPE | 4000K(70CRI) | | 5000K(70CRI) | |
|--------------|-------------------|-----------|--------------|----------|--------------|----------|
| | | | LUMENS | LPW | LUMENS | LPW |
| 100W | 120-277V/347-480V | 7Hx7V | 14420lm | 144 lm/W | 14420lm | 144 lm/W |
| 150W | 120-277V/347-480V | 7Hx7V | 21000lm | 140 lm/W | 21000lm | 140 lm/W |
| 200W | 120-277V/347-480V | 7Hx7V | 27400lm | 137 lm/W | 27400lm | 137 lm/W |
| 250W | 120-277V/347-480V | 7Hx7V | 35500lm | 142 lm/W | 35500lm | 142 lm/W |
| 300W | 120-277V/347-480V | 7Hx7V | 43700lm | 146 lm/W | 43700lm | 146 lm/W |
| 350W | 120-277V/347-480V | 7Hx7V | 51000lm | 146 lm/W | 51000lm | 146 lm/W |

ELECTRICAL DATA

| Number Of Drivers | Driver Current (mA) | Nominal Power (W) | INPUT VOLTAGE (V) | CURRENT (Amps) |
|-------------------|---------------------|-------------------|-------------------|----------------|
| 1 | 2600 | 100 | 120 | 0.83 |
| | | 100 | 208 | 0.48 |
| | | 100 | 240 | 0.42 |
| | | 100 | 277 | 0.36 |
| | | 100 | 347 | 0.29 |
| | | 100 | 480 | 0.21 |
| 1 | 3850 | 150 | 120 | 1.25 |
| | | 150 | 208 | 0.72 |
| | | 150 | 240 | 0.63 |
| | | 150 | 277 | 0.54 |
| | | 150 | 347 | 0.43 |
| | | 150 | 480 | 0.31 |
| 1 | 5100 | 200 | 120 | 1.67 |
| | | 200 | 208 | 0.96 |
| | | 200 | 240 | 0.83 |
| | | 200 | 277 | 0.72 |
| | | 200 | 347 | 0.58 |
| | | 200 | 480 | 0.42 |
| 1 | 6300 | 250 | 120 | 2.08 |
| | | 250 | 208 | 1.20 |
| | | 250 | 240 | 1.04 |
| | | 250 | 277 | 0.90 |
| | | 250 | 347 | 0.72 |
| | | 250 | 480 | 0.52 |
| 1 | 6000 | 300 | 120 | 2.50 |
| | | 300 | 208 | 1.44 |
| | | 300 | 240 | 1.25 |
| | | 300 | 277 | 1.08 |
| | | 300 | 347 | 0.86 |
| | | 300 | 480 | 0.63 |
| 1 | 5800 | 350 | 120 | 2.92 |
| | | 350 | 208 | 1.68 |
| | | 350 | 240 | 1.46 |
| | | 350 | 277 | 1.26 |
| | | 350 | 347 | 1.01 |
| | | 350 | 480 | 0.73 |

MOUNTING

- Heavy duty aluminum trunnion easily adapted to many surfaces and allows easy fixture aiming angles.
- Wall Mount available for direct wall mounting and J-box mounting
- Optional for cast aluminum slipfitter mounting adapter

Mounting Options



Slipfitter Mount
An optional cast aluminum mast arm adapter secures fixture head to nominal 2-3/8" O.D. horizontal steel tenon arm.

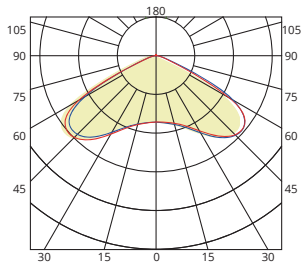


Trunnion(Yoke) Mount
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.



Wall Mount
Wall Mount is easy to install for direct wall mounting with 1/2" conduit wiring or standard J-box mounting

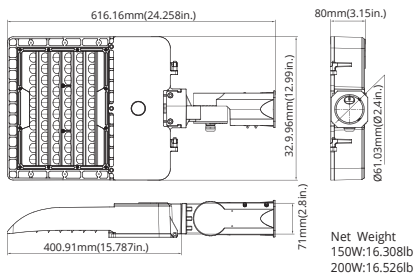
PHOTOMETRICS



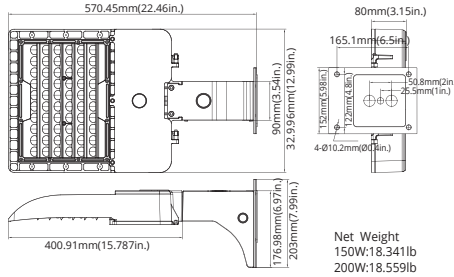
DIMENSION

unit: inch/mm

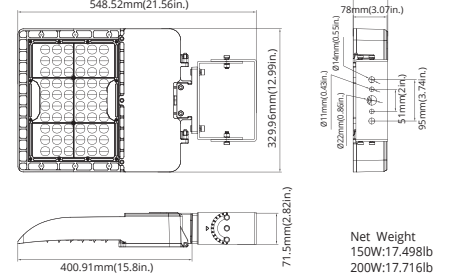
Slipfitter Mount(100W/150W&200W)



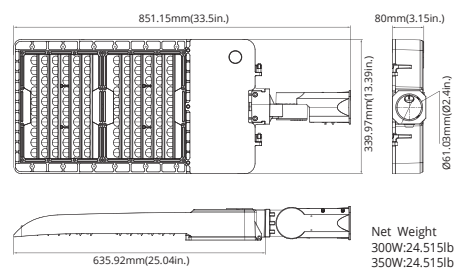
Wall Mount(100W/150W&200W)



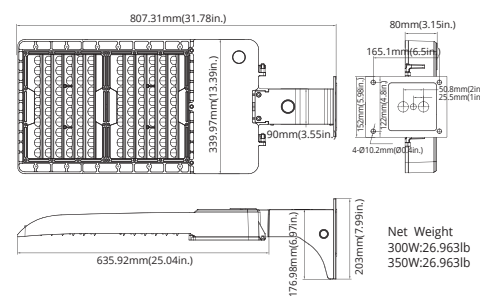
Yoke Mount(100W/150W&200W)



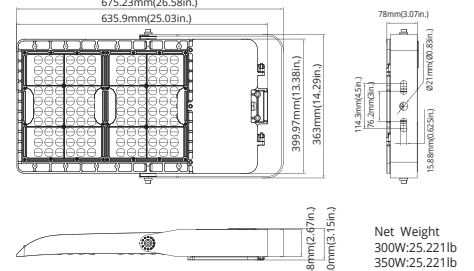
Slipfitter Mount(250/300W/350W)



Wall Mount(250W/300W/350W)



Trunnion Mount(250W/300W/350W)







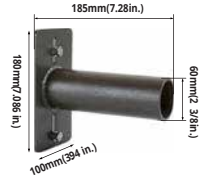



ORDERING GUIDE

Example: MFD09 150W 27V XXK Y Y Y Y Y

| Fixture Type | Wattage | Voltage | CCT | CRI | Finish | Photocell(Optional) | NEMA | Mounting |
|-----------------------------|--|--|--------------------------------------|--------------------------|---|--|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| MFD09 Flood Light | 100 100W 150 150W 200 200W 250 250W 300 300W 350 350W | 27V 120-277V 48V 347-480V | 40K 4000K 50K 5000K | B 70CRI | D Dark Bronze B Black W White SG Silver Gray | P0 120-277V Photocell P3 347V Photocell P4 480V Photocell Blank Without Photocell | B77 7Hx7V | TR Trunnion Mount SP Slipfitter Mount WM Wall Mount YK Yoke Mount |

Note: 1. The Yoke Mount only suitable for the medium size, and the trunnion only suitable for the large size.
2. While installing photocell on flood light, the horizontal elevation angle should not exceed 15°.

ADDITIONAL MOUNTING ACCESSORIES

| POLE BRACKET • For mounting one fixture on an existing pole | | | |
|---|--|--|--|
|  <p>60mm(2 3/8in.) 183.6mm(7.228in.) 76mm(3in.) 102±1mm (4in.)</p> | <p>4" Square Pole Mount with 2-3/8" O.D. Tenon NO. 4SQ-SP-D Finish: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p> |  <p>60mm(2 3/8in.) 222.5mm(8.76in.) 101.6mm(4in.) 106.68mm(4.21in.)</p> | <p>4" Round Pole Mount with 2-3/8" O.D. Tenon NO. 4RQ-SP-D Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p> |
|  <p>60mm(2 3/8in.) 183.6mm(7.228in.) 76mm(3in.) 127±1mm (5in.)</p> | <p>5" Square Pole Mount with 2-3/8" O.D. Tenon NO. 5SQ-SP-D Finish: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p> |  <p>60mm(2 3/8in.) 222.5mm(8.76in.) 101.6mm(4in.) 131.86mm(5.19in.)</p> | <p>5" Round Pole Mount with 2-3/8" O.D. Tenon NO. 5RQ-SP-D Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p> |
|  | <p>Pole Bracket Accessories -Angle-Adjustment Adapter NO. SQA-ALDA Finish: Dark Bronze USE: Durable brackets are engineered to provide versatile mounting options. These arms are made from rugged die-cast aluminum. They allow optimal positioning of the light fixture to maximize the lighting effectiveness vertically and horizontally.</p> |  <p>154.5±1mm(6.08 in.) 102±1mm (4 in.) 108.6mm(4.28in.) 63mm(2.48in.)</p> | <p>Pole Bracket accessories-Tenon & Yoke Adaptor NO. SP-TR-D Finish: Dark Bronze USE: The 2-3/8" OD Tenon Mount Adaptor for Yoke Fixtures is designed to mount MESTER light fixtures that are equipped with a yoke mount onto a 2-3/8" OD tenon. It may be utilized with the Mester Flood Light Series of light fixtures.</p> |
| WALL BRACKET • Attaches to any flat surface • Provides wiring access | | Mid-Pole tenon Bracket | |
|  <p>60mm (2 3/8in.) 102±1mm(4in.) 227.2mm(7.76 in.)</p> | <p>90° Wall Mount Bracket with 2-3/8" O.D. Tenon NO. WM-SP-D Finish: Dark Bronze USE: The 90° wall mount bracket with 2-3/8" tenon attaches an MESTER floodlight to almost any surface: wall, roof, or wood pole. Provides wiring access and a built-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.</p> |  <p>185mm(7.28in.) 60mm(2 3/8in.) 188mm(7.40 in.) 100mm(3.94 in.)</p> | <p>2-3/8" OD Horizontal Tenon Mid-Pole Bracket NO. SQ-SP-D Finish: Dark Bronze USE: 2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with an adjustable slipfitter onto a 2-3/8" OD horizontal tenon</p> |
| Round External Mount Horizontal Tenon • To mount 2/3/4 fixtures on a existing pole | | | |
|  <p>184mm(7.28in.) 101.6mm(4in.) 60mm(2 3/8in.) 63.5mm(2.5in.)</p> | <p>Double 90° Horizontal Tenon Adaptor NO. R60-SP2-90-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p> |  <p>184mm(7.28in.) 101.6mm(4in.) 60mm(2 3/8in.) 63.5mm(2.5in.)</p> | <p>Triple 120° Horizontal Tenon Adaptor NO. R60-SP3-120-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p> |
|  <p>184mm(7.28in.) 101.6mm(4in.) 60mm(2 3/8in.) 63.5mm(2.5in.)</p> | <p>Double 180° Horizontal Tenon Adaptor NO. R60-SP2-180-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p> |  <p>184mm(7.28in.) 101.6mm(4in.) 60mm(2 3/8in.) 63.5mm(2.5in.)</p> | <p>Quad 90° Horizontal Tenon Adaptor NO. R60-SP4-90-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p> |
|  <p>184mm(7.28in.) 101.6mm(4in.) 60mm(2 3/8in.) 63.5mm(2.5in.)</p> | <p>Triple 90° Horizontal Tenon Adaptor NO. R60-SP3-90-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p> | | |