Modular and powerful, the MSF Modular LED Flood Light features a unique modular design that allows ease of installation and replacement, and increased fixture’s flexibility in light direction. IP66 protection, a multitude of mounting options, and lumen output up to 156,250 make the MSF Modular LED Flood Light an ideal choice for a low cost sports and highmast solution.

### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>Die-cast Aluminum</td>
</tr>
<tr>
<td>Lens</td>
<td>Polycarbonate</td>
</tr>
<tr>
<td>Finish</td>
<td>Black, Blue accents</td>
</tr>
<tr>
<td>Mounting</td>
<td>Trunion standard; KNSF, Stereo Base, Lumosa Tiny options</td>
</tr>
<tr>
<td>Applications</td>
<td>Sports and Highmast; Sports Field, Arena, Wharf/ Harbor, Parking lots, Plaza</td>
</tr>
</tbody>
</table>

### OPTICAL & PERFORMANCE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lumen</td>
<td>250W: 31,250L</td>
</tr>
<tr>
<td>Output</td>
<td>1000W: 125,000L</td>
</tr>
<tr>
<td>Efficiency</td>
<td>125L/W</td>
</tr>
<tr>
<td>IP Rating</td>
<td>IP66</td>
</tr>
<tr>
<td>CRI</td>
<td>Ra&gt;70</td>
</tr>
<tr>
<td>THD</td>
<td>&lt;15%</td>
</tr>
<tr>
<td>Beam Angles</td>
<td>30° Standard; 10°/60°/120° Options</td>
</tr>
<tr>
<td>EPA</td>
<td>250W: 1.08ft²</td>
</tr>
<tr>
<td></td>
<td>1000W: 5.2ft²</td>
</tr>
<tr>
<td>L70</td>
<td>50,000 hours</td>
</tr>
<tr>
<td>Certifications</td>
<td>cULus, CE, RoHS</td>
</tr>
</tbody>
</table>

### ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED Engine</td>
<td>Lumileds/Samsung</td>
</tr>
<tr>
<td>Driver</td>
<td>Meanwell</td>
</tr>
<tr>
<td>Available Wattages</td>
<td>250w, 500w, 750w, 1000w, 1250w</td>
</tr>
<tr>
<td>Power Factor</td>
<td>&gt;0.93</td>
</tr>
<tr>
<td>Power Source</td>
<td>Grid 100-480v; Solar 12/24vDC</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>-40° to 50°C / -40° to 122°F</td>
</tr>
<tr>
<td>Available Voltages</td>
<td>100-277vAC, 240-480vAC option; 12/24vDC solar option</td>
</tr>
</tbody>
</table>

### NOTES:
- Optional occupancy sensor, lensed door available
- Pendant, suspended, bracket or recessed mounted
- Option
- Certification
- L70 >70,000+ hours rated life
- Optimal & Performance Specification
- Input Voltages 120V-277V 50/60Hz
- Power Factor >0.90
- Electrical Specification
- Work Environment Manufacturing, industrial, inspection areas, clean and R&D rooms.
- Operating temp -22 to 104°F
- Housing 22 Gauge galvanized post painted steel & AL
MODULAR LED FLOOD LIGHT

DIMENSIONS
TRUNION - 250W

TRUNION - 500-1000W
INSTALLATION

TRUNION STANDARD

Feed wiring through hole in bracket, through knuckle mount.

Tighten hex nuts with an allen wrench to affix mount to bracket.

Identify polarity and grounding wire, and complete electrical installation. Attach slipfitter to pole. Modules may be rotated to appropriate angle (±30°).

HOLE DIMENSIONS FOR BRACKETS

250w Bracket

- Ø12.5mm / 0.5"
- 12.5mm / 0.5"
- 200mm / 7.87"
- 182.5mm / 7.19"

500w/750w/1000w/1250w Bracket

- Ø12.5mm / 0.5"
- Ø12.5mm / 0.5"
- 200mm / 7.87"
- 230mm / 9.06"
- 170mm / 6.69"
- 20mm / 0.79"
- Ø68mm / 2.68"
- Ø22mm / 0.87"

Fix the bracket with M20 screws based on the diagrams to the left.

Inside the junction box.

Remove the M16 silicone plug, loosen the screw with an allen key, and rotate to the desired mounting angle. Once set, replace the M16 silicone plug.

Connect the wiring, distinguishing between positive, negative, and grounding wire.

If dimming is required, connect the dimming cables according to the line mark.
**INSTALLATION**

**STEREO BASE**

- **MOQ** 200PCS
- 

Affix the bracket to the stereo base.

- With the help of the drawing provided, drill holes for installing the stereo base.

- Identify polarity and grounding wire, and complete electrical installation. Install stereo base using holes drilled previously. Modules may be rotated to appropriate angle (±30°).

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**LUMOSA TINY**

- **FOR 250W ONLY**
- 1 BRACKET REQUIRES 4 x 250W FIXTURES

Affix the Lumosa Tiny bracket to the pole

- Attach light and bracket using M12 screws.

- Use 6 screws to affix the bracket and pole well. Identify polarity and grounding wire, and complete electrical installation.
**INSTALLATION**

Loosen the wing nut on the module to be rotated

Set the module to the desired rotation and re-tighten the wing nuts

Each module can be rotated ±30°

**REPLACEMENT**

Unscrew the wing nuts and rotate the module 90°

Remove the module to be replaced

Place the replacement module into the clip, re-tighten wing nuts, and insert the waterproof connector into the socket

**OPTIONS**

Visor

Laser diode aiming device