The Champ FMV1000 Series High Wattage Floodlight is the best in its class with heavy-duty vapor-tight housing designed exclusively for harsh industrial areas requiring broad area lighting.

The FMV1000 Series Floodlight boasts restricted breathing and easy-to-wire terminal blocks as standard. It is available in the following HID lamp sources and wattages:

- 600, 750, 1000W High Pressure Sodium
- 1000, 1500W Metal Halide

Applications:
The Champ FMV1000 Series is NEMA Type 4X and IP56 watertight, and its heavy-duty welded extruded aluminum housing and stainless steel hardware provide a robust design suitable for the most corrosive/marine environments.

Features and Benefits:

- AEx nR, Ex nR restricted breathing rating is standard—a hazardous location luminaire without additional accessories or options; restricted breathing offers cooler T-numbers for increased hazardous locations suitability
- NEMA 7x6 butterfly beam floodlight pattern—wide, uniform and far reaching to provide excellent efficiency and more light where you need it
- NEMA Type 4X and IP56 construction is designed for use indoors and outdoors in marine and wet locations—with stainless steel external hardware suitable for saltwater and corrosive applications
- Easy wiring—standard terminal block with marked terminals saves time and eliminates wiring errors
- Vapor-tight sealing cable connector—standard
- Standard machining—will accept ¾ inch NGCB or ¾ inch Myers™ hub (Myers hub is an option). Optional metric machining will accept M20 or M25 (must be specified on order)
- Low and high ambient capability to -40°C—perfect for colder climates, 50°C workhorse in hot climates
- Heavy-duty, extruded copper-free aluminum enclosure with epoxy coating and stainless steel hardware—provides a robust design with industrial grade construction and corrosion resistance
- Precision formed aluminum reflector—superior beam control, distribution and efficiency
- High light output with a low cost of operation—cost-effectiveness in a high wattage floodlight

Certifications & Compliances:

NEC/CEC (NEC Ballast Gear and Socket):
- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2, AEx nR II, Group IIC
- Marine locations
- IP56
- Wet locations
- NEMA Type 4X

Standard Finishes:
- Aluminum—Corro-Free™ epoxy powder coat
- Stainless steel—natural

Ratings (Electrical/Size):
Sources/Wattages (Mogul Base Lamps)
- HPS—600, 750, and 1000W
- MH—1000W
- MH—1500W non-hazardous location rated

Voltages:

Standard Voltage Ballasts
- Multi-tap (120, 208, 240, and 277V 60Hz)
- 480V 60Hz
- Tri-tap (120, 277, 347V 60Hz)

Optional Voltage Ballasts
- 220V or 240V 50Hz (for export)
- 220V 60Hz (for export)

Isolated Ballasts
- 208, 240, or 480V (for Canada)

Hub Size:
- ¾” NPT—standard
- M20 or M25—optional
- Dual entry—NPT or metric
Champ® FMV1000 nR
High Wattage Floodlights

Cl. I, Div. 2, Groups A, B, C, D
Cl. I, Zone 2, AEx nR II, Group IIC
Marine locations
NEMA Type 4X and IP56
Wet locations

Ordering Information for Floodlight with NEC Ballast:

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Watts</th>
<th>Base Catalog Number*</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Pressure Sodium</td>
<td>600</td>
<td>FMVS600_76</td>
</tr>
<tr>
<td></td>
<td>750</td>
<td>FMVS750_76</td>
</tr>
<tr>
<td></td>
<td>1000</td>
<td>FMVS1000_76</td>
</tr>
<tr>
<td>Metal Halide</td>
<td>1000</td>
<td>FMVMY1000_76</td>
</tr>
<tr>
<td></td>
<td>1500</td>
<td>FMVMY1500_76</td>
</tr>
</tbody>
</table>

*To complete catalog number, add voltage and options suffix(es).

Voltage Suffixes:

Voltage (60Hz) | Dual-Tap | Tri-Tap | Multi-Tap | 480 |
---------------|----------|---------|-----------|-----|
Suffix         | /DT      | /TT     | /MT       | /480|
Example:       | FMVS Y1000/MT 76 M25 S828 |

Temperature Performance Data:

40°C Ambient | 50°C Ambient | Fixture Aiming |
Catalog Series | Lamp | Temperature Code | Class I, Zone 2 | Class I, Div. 2 | Supply Wire °C | Class I, Zone 2 | Class I, Div. 2 | Supply Wire °C | Range | Figure |
FMVS          | High Pressure Sodium | 600 | T3 | T1 | 90 | T3 | T1 | 105 | 90°  | 2      |
FMVS          | 750 | T3 | T1 | 90 | T3 | T1 | 105 | 90°  | 2      |
FMVY          | Metal Halide | 1000 | T3 | T1 | 90 | T3 | T1 | 105 | 90°  | 2      |
FMVY          | 750 | T3 | T1 | 90 | T3 | T1 | 105 | 75°  | 1      |
FMVY          | 1000 | T3 | T1 | 90 | T3 | T1 | 105 | 75°  | 1      |

Accessories (Order Separately):

- Slipfitter adapter: To be mounted to yoke mount fixture; fits onto 2” pipe/conduit.......................... SFA6
- Wall bracket: Use with slipfitter adapter SFA6 for easy wall mounting and increased adjustability........ SWB6
- Photocell in DS cover for use with FS/FD box:
  - 120V, 50/60Hz.......................................................................................................................... D2S20
  - 208-277, 50/60Hz....................................................................................................................... D2S208 277

Options:

- Description Suffix
- 20mm metric thread for conduit opening.......................... M20
- 25mm metric thread for conduit opening.......................... M25
- ½” NPT hub conduit opening........................................ NPT75
- Pulse-start metal halide only........................................ S828
- Retention chain.......................................................... S831
- Enclosure machined for 2 conduit/cable entries................ S886
- Factory assembled, lamp installed in lampholder................ FA

Weights and Dimensions:

Net Fixture Weights (Lbs.):

<table>
<thead>
<tr>
<th>Fixture Series</th>
<th>78</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMVSY600</td>
<td>76</td>
</tr>
<tr>
<td>FMVSY750</td>
<td>83</td>
</tr>
<tr>
<td>FMVSY1000</td>
<td>84</td>
</tr>
<tr>
<td>FMVY1000</td>
<td>84</td>
</tr>
<tr>
<td>FMVY1500</td>
<td>84</td>
</tr>
</tbody>
</table>
Effective Projected Area (EPA):
- For windloading
- For proper pole selection

<table>
<thead>
<tr>
<th>Aiming Angle</th>
<th>EPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°</td>
<td>3.5 FT²</td>
</tr>
<tr>
<td>30°</td>
<td>3.6 FT²</td>
</tr>
<tr>
<td>60°</td>
<td>2.9 FT²</td>
</tr>
</tbody>
</table>

Photometric Data:
ISO Footcandle Chart FMV
1000W High Pressure Sodium (HPS)
Catalog Number: FMVSY1000-76
Lumen Rating: 140,000
Fixture located at 0°, 0° aiming angle at 45°
(Note: See Figures 1 and 2).

Footcandle Table for FMVSY1000W:

<table>
<thead>
<tr>
<th>Mounting Height</th>
<th>Footcandle Values for Isofootcandle Lines</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td>20'</td>
<td>12.6</td>
</tr>
<tr>
<td>25'</td>
<td>8.1</td>
</tr>
<tr>
<td>30'</td>
<td>5.6</td>
</tr>
<tr>
<td>35'</td>
<td>4.2</td>
</tr>
<tr>
<td>40'</td>
<td>3.1</td>
</tr>
</tbody>
</table>

Lamp Selection (Mogul Base):

<table>
<thead>
<tr>
<th>Fixture</th>
<th>Watts Type</th>
<th>Bulb Type</th>
<th>G.E.</th>
<th>Osram</th>
<th>Philips</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMVSY600</td>
<td>600 HPS</td>
<td>T15</td>
<td>LU600/T</td>
<td>—</td>
<td>C600S106</td>
</tr>
<tr>
<td>FMVSY750</td>
<td>750 HPS</td>
<td>ED37</td>
<td>LU750</td>
<td>—</td>
<td>C1000S52/ED37</td>
</tr>
<tr>
<td>FMVSY1000</td>
<td>1000 HPS</td>
<td>E25</td>
<td>LU1000</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>FMVMY750</td>
<td>750 MH</td>
<td>ED37</td>
<td>MVR750/VBU/PA</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>FMVMY1000</td>
<td>1000 MH</td>
<td>BT56</td>
<td>MVR1000/U</td>
<td>—</td>
<td>MH1000/U</td>
</tr>
<tr>
<td>FMVMY1500</td>
<td>1500 MH</td>
<td>BT56</td>
<td>MVR1500/U/SPORTS</td>
<td>—</td>
<td>MH1500/U</td>
</tr>
</tbody>
</table>