Eaton’s Crouse-Hinds Champ® Voyager nR™ Stainless Steel Floodlight offers the industry’s coolest temperature ratings—so it can operate below the ignition temperature of vapors and gases in your classified area. The Champ Voyager nR Floodlight boasts a wide, powerful beam to deliver more light to your process or pathway. Standard terminal blocks and a removable ballast component tray bring you the best combination of easy wiring and simple maintenance in one rugged package.

Applications:
This unique combination of features makes the Champ Voyager nR Floodlight ideal for outdoor, marine, corrosive, and high temperature locations. And because the Champ Voyager nR Floodlight meets international standards, you can install it anywhere in the world.

Features and Benefits:
• AEx nR, Ex nR restricted breathing rating is standard—a hazardous location luminaire with excellent T3 and T4 ratings without additional accessories or options
• NEMA 7x6 *butterfly beam* floodlight pattern—wide, uniform and far reaching to reduce the number of luminaires you need, providing excellent luminaire efficiency—more light where you need it
• Easy wiring—standard terminal block with marked terminals saves time and eliminates wiring errors
• Removable ballast component tray—for capacitor, igniter and terminal block to simplify maintenance and save money
• Housing, hinges, door frame and mounting yoke are all 316 stainless steel for marine and wet locations—robust construction suitable for saltwater and corrosive applications

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
• NEMA Type 4X and IP66
IEC (IEC Ballast Gear and Socket):
• IEC Zone 2, Ex nR II ATEX
UL/cUL Standards:
• 844—Hazardous (Divisions Classified) Locations
• 1598—Luminaires Marine Locations
• 1598A—Supplemental Requirements for Luminaires for Installation on Marine Vessels

Standard Materials:
• Enclosure (housing and lens frame)—316 stainless steel
• Lens—heat- and impact-resistant tempered glass
• Gaskets—silicone rubber
• Yoke and yoke bracket—316 stainless steel
• Reflector—formed specular (dimpled glossy surface) aluminum
• Cable gland cord grip and locknut—polyamide 6, neoprene bushing

Standard Finishes:
• 316 stainless steel—natural

Photometrics are available online.

Industry Best for Ease of Installation:
1. Removable ballast tray
2. Prewired to terminal blocks
3. Substantial room for wiring

Ratings (Electrical/Size):
Sources/Wattages (Mogul Base Lamps)
• High Pressure Sodium (HPS) 150, 250, and 400W
• Metal Halide (MH) 175, 250, and 400W
Voltages:
Standard Voltage Ballasts
• Multi-tap (120, 208, 240, and 277V 60Hz)
• 480V, 60Hz
• Tri-tap (120, 277, 347V 60Hz)
Optional Voltage Ballasts (for export)
• 220V or 240V, 50Hz
• 220V, 60Hz
Isolated Ballasts
• 208, 240, or 480V (for Canada)

Hub Size:
• Standard: ½” NPT with a ½” gland sealing connector
Champ® Voyager nR™
Stainless Steel Floodlight

Cl. I, Div. 2, Groups A, B, C, D
Cl. I, Zone 2, AEx nR II, Group IIC
IEC Zone 2, Ex nR II ATEX

Marine locations
Wet locations

Ordering Information for Floodlight with IEC Ballast:

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>IEC Ref.</th>
<th>Watts</th>
<th>Catalog Number*</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPS</td>
<td>HSE/HST</td>
<td>150</td>
<td>NSSFMVSY150/220</td>
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<tr>
<td></td>
<td></td>
<td>250</td>
<td>NSSFMVSY250/220</td>
</tr>
<tr>
<td></td>
<td></td>
<td>400</td>
<td>NSSFMVSY400/220</td>
</tr>
<tr>
<td>MH</td>
<td>HIE</td>
<td>150</td>
<td>NSSFMVMY150/220</td>
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<tr>
<td></td>
<td></td>
<td>250</td>
<td>NSSFMVMY250/220</td>
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<tr>
<td></td>
<td></td>
<td>400</td>
<td>NSSFMVMY400/220</td>
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</tbody>
</table>

*Uses IEC lamp socket E40.
NSFSMV Floodlights are designed with IEC ballast gear and lamp socket, providing certification to the IEC Ex ATEX Directive.

Ordering Information for Floodlight with NEC Ballast:

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Watts</th>
<th>Catalog Number*</th>
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<tbody>
<tr>
<td>High</td>
<td>150</td>
<td>SSFMVSY150/76</td>
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<tr>
<td>Pressure</td>
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<td>SSFMVSY250/76</td>
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<tr>
<td>Sodium</td>
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<td>SSFMVSY400/76</td>
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<td>Metal</td>
<td>250</td>
<td>SSFMVMY250/76</td>
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<td>Halide</td>
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<td>SSFMVMY400/76</td>
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Voltage Suffixes:

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<tr>
<th>Voltage</th>
<th>Suffix</th>
<th>Voltage</th>
<th>Suffix</th>
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</thead>
<tbody>
<tr>
<td>Tri-Tap (120, 277, 347V, 60Hz)</td>
<td>/TT</td>
<td>220 50Hz</td>
<td>/220 50</td>
</tr>
<tr>
<td>Multi-Tap (120, 208, 240, 277V, 60Hz)</td>
<td>/MT</td>
<td>220 60Hz</td>
<td>/220</td>
</tr>
<tr>
<td>480V, 60Hz</td>
<td>/480</td>
<td>240 50Hz</td>
<td>/240 50</td>
</tr>
<tr>
<td>240V, 60Hz</td>
<td>/MV</td>
<td>240 60Hz</td>
<td>/240 60</td>
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*To complete catalog number, add voltage and options suffix(es)
Example: SSFMVSY150/MT 76.

Temperature Performance Data:

<table>
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<tr>
<th>Catalog Series</th>
<th>Lamp</th>
<th>Type</th>
<th>Watts</th>
<th>40°C Ambient</th>
<th>55°C Ambient</th>
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<td>SSFMVS</td>
<td>High</td>
<td>150**</td>
<td>T4</td>
<td>T2B 90</td>
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<td>T4</td>
<td>350</td>
<td>T3</td>
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<tr>
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<td></td>
<td>T3</td>
<td>325 90</td>
<td>T3</td>
</tr>
<tr>
<td>SSFMVM</td>
<td>Metal Halide</td>
<td>250**</td>
<td>T3</td>
<td>12 90</td>
<td>T3</td>
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<td></td>
<td></td>
<td>T3</td>
<td>325 90</td>
<td>T3</td>
</tr>
</tbody>
</table>

**Suitable for use in 55°C ambient without optional fuses.
For U.S. market, use MH Pulse Start option.

FIGURE 1

Accessories (Order Separately):

- Stainless steel slipfitter adapter: SFA6 SS
- Stainless steel wall mount bracket: SWB6 SS
- Standard slipfitter adapter: SFA6
- Standard wall mount bracket: SWB6
- Photocell in DS cover for use with FS/FD box: D2S20
- 120V, 50/60Hz: D2S20
- 208-277V, 50/60Hz: D2S208 277

Photometrics are available online.

Crouse-Hinds
by Eaton

Effective Projected Area (EPA):
- For windloading
- For proper pole selection

<table>
<thead>
<tr>
<th>Aiming Angle</th>
<th>EPA</th>
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</thead>
<tbody>
<tr>
<td>0°</td>
<td>2.15 FT²</td>
</tr>
<tr>
<td>30°</td>
<td>1.86 FT²</td>
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<tr>
<td>60°</td>
<td>1.07 FT²</td>
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</tbody>
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Weights and Dimensions:

<table>
<thead>
<tr>
<th>Luminaire</th>
<th>HPS</th>
<th>MH</th>
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</thead>
<tbody>
<tr>
<td>150W</td>
<td>39</td>
<td>39</td>
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<tr>
<td>175W</td>
<td>39</td>
<td>39</td>
</tr>
<tr>
<td>250W</td>
<td>43</td>
<td>41</td>
</tr>
<tr>
<td>400W</td>
<td>45</td>
<td>43</td>
</tr>
</tbody>
</table>

Options:

- **Instant Restrike and Ballast Guard**
- **Instant Restrike**—enables a hot HPS lamp to immediately restrike after a momentary loss of arc due to voltage fluctuation or power outage
- **Ballast guard starter cut out switch**—prevents starter pulsing when lamp is cycling or inoperative; prolongs ballast and ignitor life
- **150W LX HPS only**
- **Factory assembled with HID lamp installed**
- **Fused** (not suitable for marine applications)
- **20mm metric thread for conduit opening**
- **25mm metric thread for conduit opening**
- **3/4” NPT hub conduit opening**
- **Furnished with lamps (not installed)**
- **Pulse-start metal halide only**
- **Enclosure machined for 2 conduit/cable entries**
- **Yoke mount and slipfitter**

Suffixes:
- **TIR**
- **FA**
- **S658**
- **M20**
- **M25**
- **NPT75**
- **S714**
- **S828**
- **S986**
- **SFA6**
Photometric Data:

MH Wide Beam Reflector

HPS Wide Beam Reflector

Photometrics are available online.