Champ® VMV
LED luminaires for hazardous areas

3,000 to 25,000 lumen LED high bay luminaires
Champ® VMV LED


Featuring the industry’s broadest range of LED luminaires for harsh, hazardous and industrial environments, Eaton’s Crouse-Hinds can deliver a lighting solution that performs reliably in even the worst operating conditions. All the while reducing your energy, maintenance and manpower costs.

<table>
<thead>
<tr>
<th>Why LED?</th>
<th>Why Crouse-Hinds?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Useful life</strong></td>
<td><strong>Rugged design</strong></td>
</tr>
<tr>
<td>Rated life is up to 60,000 hours of maintenance-free and safe operation</td>
<td>Built to withstand extreme temperatures, vibration, water and dust</td>
</tr>
<tr>
<td><strong>Energy efficiency</strong></td>
<td><strong>High efficacy</strong></td>
</tr>
<tr>
<td>LED average energy consumption is significantly less than traditional fluorescent and HID fixtures</td>
<td>Up to 130 lumens per watt (model dependent)</td>
</tr>
<tr>
<td><strong>Start/restart time</strong></td>
<td><strong>Thermal management</strong></td>
</tr>
<tr>
<td>Instant illumination versus 10 minute restrike time for HID</td>
<td>Effective heat sinking ensures longer life</td>
</tr>
<tr>
<td><strong>Light quality</strong></td>
<td><strong>Quality of light</strong></td>
</tr>
<tr>
<td>Higher color rendering compared to fluorescent and HID</td>
<td>Custom optics designed to maximize light distribution and intensity</td>
</tr>
<tr>
<td><strong>Environmental benefits</strong></td>
<td><strong>Versatile mounting</strong></td>
</tr>
<tr>
<td>Mercury-free LED eliminates disposal costs and lower energy consumption for a smaller carbon footprint</td>
<td>LED fixtures are compatible with Crouse-Hinds’ HID installed base</td>
</tr>
</tbody>
</table>
Why Champ VMV LED?

Rugged mid to high bay solutions. Champ VMV LED luminaires are engineered to provide maintenance-free operation while delivering long life and high lumen performance.

Built to last:
• Type 4X rated
• Impact-resistant lens sealed from the outside environment provides ingress protection against water and dust
• Die cast aluminum LED housing provides efficient thermal path to heat sink assembly
• Vertical fin design facilitates air flow and dust shedding

Simple installation and replacement:
• Contractor-friendly design is ideal for both retrofit and new construction
• Easy to retrofit using existing HID Champ mounting module
• Available with lever lock connectors and standard three-pole terminal block

LED vs. HID savings at a glance

Why are so many facilities making the switch from HID to LED?
The numbers say it all.

- 77% REDUCTION IN ENERGY COSTS
- 75% LOWER TOTAL COST OF OWNERSHIP
- 100% MAINTENANCE REDUCTION

Assumptions: Calculations based on overall life of the LED system. Energy cost of $0.09 per kilowatt; 24 hour per day operation; labor rate of $75 each for 2 workers; average time for fixture maintenance of 1 hour.
Custom optics

Eaton’s Crouse-Hinds continuously focuses on engineering product solutions tailored to our customers’ unique needs and applications.

Champ VMV LED luminaires feature custom optics designed to maximize light distribution and intensity, providing flexibility for retrofits or new installations throughout the site.

Type III optics minimize light spillover onto the walls and direct light to the ground.

Three optical options to maximize light distribution and intensity

**TYPE I**
- Long and rectangular for hallways, walkways, loading docks, catwalks.
- Ideal for:
  - Mining conveyor belts
  - Aislesways and hallways
  - Catwalks and walkways
  - Ramps and loading docks
  - Tunnels with overhead mounts

**TYPE III**
- Stanchion and wall mount light distribution, minimizing spillover on the wall.
- Ideal for:
  - Narrow crosswalks or passages with wall mounted fixtures
  - Tunnels with wall mount
  - Wall or stanchion mount requiring 180° forward throw beam patterns

**TYPE V**
- Regular circular distribution pattern for high/low bay indoor and outdoor ceiling or pendant mount lighting.
- Ideal for:
  - Pendant, ceiling or stanchion mount overhead building mounts
  - Processing mills, industrial plants, large buildings, warehouses, etc.
Case study: Type I optics

Catwalk/conveyor lighting
Utilizing Eaton’s Crouse-Hinds lighting layout services, Champ VMV luminaires with Type I optics and HID luminaires are shown installed on a catwalk to compare photometrics.

Comparison
Champ Type I LEDs have a wider linear pattern than equivalent HID luminaires and provide more efficient light dispersion, which fully illuminates the catwalk.

Results
Champ VMV LED with Type I optics provides superior illumination along the conveyor and walkway safely. With no gaps in illumination, the optical pattern allows for increased spacing of fixtures and a safer conveyor system.

Savings realized
- Champ Type I pattern allows for greater fixture spacing along the catwalk or conveyor system
- Increased visibility with no dark spots results in safer conditions for workers
- Up to 77% energy savings over the life of the fixture

Champ VMV has broader coverage area, higher delivered footcandles and uniformity for a typical catwalk or conveyor application.

<table>
<thead>
<tr>
<th>Luminaire</th>
<th>Calc. Type</th>
<th>Units</th>
<th>Avg.</th>
<th>Max.</th>
<th>Min.</th>
<th>Avg./Min.</th>
<th>Max./Min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Champ VMV</td>
<td>Illuminance</td>
<td>Fc</td>
<td>26.91</td>
<td>36.9</td>
<td>17.4</td>
<td>1.55</td>
<td>2.12</td>
</tr>
<tr>
<td>175W MH</td>
<td>Illuminance</td>
<td>Fc</td>
<td>14.32</td>
<td>18.0</td>
<td>7.9</td>
<td>1.81</td>
<td>2.28</td>
</tr>
</tbody>
</table>

Lighting layout & design services:
Let us help you design your next big project!
Contact Crouse-Hinds Customer Service
crousecustomercotr @eaton.com
(866) 764-5454
Champ VMV LED Luminaires

Champ VMV LEDs are designed to provide full-spectrum, crisp, white light with custom IES Type I, III and V distribution.

<table>
<thead>
<tr>
<th>Model</th>
<th>Typical lumens (Type V)*</th>
<th>Wattage</th>
<th>Lumens per watt</th>
<th>Equivalent HID luminaire</th>
<th>Typical energy savings / lifetime</th>
</tr>
</thead>
<tbody>
<tr>
<td>VMV3L</td>
<td>3,531</td>
<td>29</td>
<td>122</td>
<td>70W-100W</td>
<td>Up to 77%</td>
</tr>
<tr>
<td>VMV5L</td>
<td>5,266</td>
<td>41</td>
<td>129</td>
<td>100W-150W</td>
<td>Up to 67%</td>
</tr>
<tr>
<td>VMV7L</td>
<td>7,120</td>
<td>54</td>
<td>131</td>
<td>150W-175W</td>
<td>Up to 67%</td>
</tr>
<tr>
<td>VMV9L</td>
<td>9,134</td>
<td>74</td>
<td>124</td>
<td>250W-320W</td>
<td>Up to 74%</td>
</tr>
<tr>
<td>VMV11L</td>
<td>11,034</td>
<td>89</td>
<td>123</td>
<td>320W-400W</td>
<td>Up to 68%</td>
</tr>
<tr>
<td>VMV13L</td>
<td>13,226</td>
<td>130</td>
<td>102</td>
<td>400W</td>
<td>Up to 72%</td>
</tr>
<tr>
<td>VMV17L</td>
<td>18,793</td>
<td>168</td>
<td>112</td>
<td>400W-600W</td>
<td>Up to 74%</td>
</tr>
<tr>
<td>VMV21L</td>
<td>22,110</td>
<td>196</td>
<td>113</td>
<td>600W-750W</td>
<td>Up to 74%</td>
</tr>
<tr>
<td>VMV25L</td>
<td>26,531</td>
<td>232</td>
<td>114</td>
<td>750W-1000W</td>
<td>Up to 77%</td>
</tr>
</tbody>
</table>

* Tolerance +/- 10%.

Applications:
- For areas with mounting heights of up to 60 feet
- Oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, platforms, loading docks, tunnels, indoor/outdoor spotlighting, outdoor wall and stanchion mounted general area lighting, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present
- Locations requiring continuous and consistent light levels in extreme ambient temperatures
- Where extremely corrosive, wet, dusty, hot and/or cold conditions exist
- Classified and hazardous locations

Champ VMV benefits:
- Instant illumination and restrike
- Cold temperature operation / no warm-up required
- Option for redundancy in drivers with multiple series circuits connected to each driver to avoid complete loss of illumination
- Easy installation - compact modular fixture attaches onto existing Champ mounting module
- Energy-efficient technology - up to 77% energy savings over HID fixtures
- Contains no mercury or other hazardous substances
- Shock- and vibration-resistant solid-state luminaires have no filaments or glass components that could break - greatly reduces the risk of premature failure
- Operating ambient: -40°C to 65°C (VMV3L-VMV11L models); -40°C to 55°C (VMV13L-VMV25L models)
- Up to 60,000 hours lifetime at 55°C
- 5 year fixture warranty†

† Refer to page 2 of the authorized distributor price book for Crouse-Hinds standard Terms and Conditions.

LED system:
- High intensity discrete power emitters
- Standard: cool white (5000K, 70 CRI); Optional: warm white, (3000K, 80 CRI) or neutral white (4000K, 70 CRI)
- Custom Type I, III and V optics available
- Optics clocking in field to align Type I and Type III light patterns to illumination path for VMV13L-VMV25L

Drivers:
- Option Voltage: VMV3L-VMV25L
  - UNV1 120-277 VAC, 50/60 Hz; 108-250 VDC, 50/60 Hz
  - UNV34 347-480 VAC, 50/60 Hz

Standard materials:
- Lamp housing and adapter - die cast aluminum with Corro-free™ epoxy powder coat
- Lens - heat- and impact-resistant glass
- Gaskets - silicone
- External hardware - stainless steel
- Factory-sealed, no external seals required

Colored LED options:
- Available in green or amber*
- Reduction in light pollution for night space observation and sky glow due to isolating blue wavelength in red and amber colors
- Wildlife-friendly
- Improves visibility for telescopes in observatories during night sky space exploration

* Custom optics not available with colored LEDs.

Qualifications and compliances:
- DesignLights Consortium® Qualified (some models are not DLC qualified)*
  Refer to www.designlights.org Qualified Products List under family models for full listing details. Not all models are approved for all application categories.

Connected lighting functionality
Remote monitoring and control for use in hazardous and hard-to-access areas.

Advanced scheduling control allows for improving energy efficiency during non-operational hours. Easy software control lets a user set up schedules for lights to be on and off at pre-defined times, removing the challenges of manual management.

Daylight harvesting allows for use of the daylight and adjusts the light level of luminaire to maintain the desired light levels. It is best suited for outdoor environments or indoor areas where daylight is present during operational hours of a facility.

Fixture grouping is an added benefit that maximizes control in a defined area. By grouping light fixtures, same control settings can be applied to them to increase efficiency and response time.

Occupancy sensing is best used in areas that see infrequent traffic, such as storage areas of warehouses. Innovative occupancy sensor controls can automatically illuminate the area once presence is sensed in an area and also turn it back off when sensors stop sensing the presence.

Advanced dimming controls help reduce the energy consumptions by setting dimming levels. Dimming controls could be used in conjunction with other control features, such as scheduling and occupancy sensing, to improve energy savings.
### Angled stanchion for VMV3L-VMV11L models only.

**Weights:**

<table>
<thead>
<tr>
<th>Luminaire</th>
<th>lbs.</th>
<th>kg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>VMV3L-VMV11L</td>
<td>20.8</td>
<td>9.43</td>
</tr>
<tr>
<td>VMV13L &amp; VMV17L</td>
<td>36.0</td>
<td>16.32</td>
</tr>
<tr>
<td>VMV21L &amp; VMV25L</td>
<td>44.0</td>
<td>19.95</td>
</tr>
</tbody>
</table>

**Mounting module**

<table>
<thead>
<tr>
<th>Luminaire</th>
<th>lbs.</th>
<th>kg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pendant</td>
<td>1.25</td>
<td>0.57</td>
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<tr>
<td>Cone pendant</td>
<td>4.00</td>
<td>1.81</td>
</tr>
<tr>
<td>Flexible pendant</td>
<td>1.50</td>
<td>0.68</td>
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<tr>
<td>Ceiling</td>
<td>2.75</td>
<td>1.25</td>
</tr>
<tr>
<td>Wall</td>
<td>4.50</td>
<td>2.04</td>
</tr>
<tr>
<td>Angled stanchion*</td>
<td>3.50</td>
<td>1.59</td>
</tr>
<tr>
<td>Straight stanchion*</td>
<td>4.50</td>
<td>2.04</td>
</tr>
</tbody>
</table>

* Angled stanchion for VMV3L-VMV11L models only.

### Certifications and compliances:

**NEC and CEC**

- Class I, Division 2, Groups A, B, C, D; Class I, Zone 2, nA; Class II, Groups E, F, G; Class III
- Zone 21 tb
- Simultaneous Presence
- Wet Locations, NEMA 4X, IP66

**UL Standards**

- UL844; UL1598 Luminaires; UL1598A Marine; UL8750; UL50; UL50E

**CSA Standard**

- cUL Listed to CSA Standard CSA C22.2 No. 137

**IEC**

- Ex nA IIC T* Gc -40 to +40
- Ex nA IIC T* Gc -40 to +55
- Ex nA IIC T* Gc -40 to +65
- Ex tb IIC T**C Db -40 to +40
- Ex tb IIC T**C Db -40 to +55
- Ex tb IIC T**C Db -40 to +65

**ATEX/CE**

- Ex II 3 G Ex nA IIC T* Gc -40 to +40
- Ex II 3 G Ex nA IIC T* Gc -40 to +55
- Ex II 3 G Ex nA IIC T* Gc -40 to +65
- Ex II 2 D Ex tb IIC T**C Db IP66 -40 to +40
- Ex II 2 D Ex tb IIC T**C Db IP66 -40 to +55
- Ex II 2 D Ex tb IIC T**C Db IP66 -40 to +65

**VMV3L-VMV11L only**

- IECEx UL 13.0052X

**VMV13L-VMV25L only**

- IECEx UL 14.0031X

**ATEX/CE**

- Ex II 3 G Ex nA IIC T* Gc -40 to +40
- Ex II 3 G Ex nA IIC T* Gc -40 to +55
- Ex II 3 G Ex nA IIC T* Gc -40 to +65
- Ex II 2 D Ex tb IIC T**C Db IP66 -40 to +40
- Ex II 2 D Ex tb IIC T**C Db IP66 -40 to +55
- Ex II 2 D Ex tb IIC T**C Db IP66 -40 to +65

**VMV3L-VMV11L only**

- DEMKO 13 ATEX 1475031X; DEMKO 13 ATEX 13057 41X

**VMV13L-VMV25L only**

- DEMKO 14 ATEX 1324722X; DEMKO 14 ATEX 2274231X

* See temperature code table below.

**IECEx UL 13.0052X**

VMV3L-VMV11L rated to +65°C, VMV13L-VMV25L rated to +55°C.

**Electrical ratings:**

<table>
<thead>
<tr>
<th>VMV3L</th>
<th>VMV5L</th>
<th>VMV7L</th>
<th>VMV9L</th>
<th>VMV11L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage range UNV1 (VAC 50/60 Hz)</td>
<td>120-277</td>
<td>120-277</td>
<td>120-277</td>
<td>120-277</td>
</tr>
<tr>
<td>Voltage range UNV1 (VDC 50/60 Hz)</td>
<td>108-250</td>
<td>108-250</td>
<td>108-250</td>
<td>108-250</td>
</tr>
<tr>
<td>Input power (watts)</td>
<td>29</td>
<td>41</td>
<td>54</td>
<td>74</td>
</tr>
<tr>
<td>Input amps at 120-277 VAC</td>
<td>0.24-0.11</td>
<td>0.34-0.16</td>
<td>0.45-0.23</td>
<td>0.61-0.31</td>
</tr>
<tr>
<td>Voltage range UNV34 (VAC 50/60 Hz)</td>
<td>347-480</td>
<td>347-480</td>
<td>347-480</td>
<td>347-480</td>
</tr>
<tr>
<td>Input power (watts)</td>
<td>27</td>
<td>44</td>
<td>58</td>
<td>73</td>
</tr>
<tr>
<td>Input amps at 347-480 VAC</td>
<td>0.06-0.08</td>
<td>0.09-0.12</td>
<td>0.12-0.16</td>
<td>0.15-0.21</td>
</tr>
</tbody>
</table>

**VMV13L | VMV17L | VMV21L | VMV25L |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage range UNV1 (VAC 50/60 Hz)</td>
<td>120-277</td>
<td>120-277</td>
<td>120-277</td>
</tr>
<tr>
<td>Voltage range UNV1 (VDC 50/60 Hz)</td>
<td>108-250</td>
<td>108-250</td>
<td>108-250</td>
</tr>
<tr>
<td>Input power (watts)</td>
<td>131</td>
<td>168</td>
<td>196</td>
</tr>
<tr>
<td>Input amps at 120-277 VAC</td>
<td>1.08-0.48</td>
<td>1.40-0.62</td>
<td>1.64-0.73</td>
</tr>
<tr>
<td>Voltage range UNV34 (VAC 50/60 Hz)</td>
<td>347-480</td>
<td>347-480</td>
<td>347-480</td>
</tr>
<tr>
<td>Input power (watts)</td>
<td>127</td>
<td>175</td>
<td>208</td>
</tr>
<tr>
<td>Input amps at 347-480 VDC</td>
<td>0.21-0.26</td>
<td>0.49-0.37</td>
<td>0.58-0.43</td>
</tr>
</tbody>
</table>

**All models**

<table>
<thead>
<tr>
<th>THD</th>
<th>Power factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;20%</td>
<td>&gt;0.90</td>
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</table>

**Temperature codes:**

<table>
<thead>
<tr>
<th>Lamp/photum output</th>
<th>Driver type</th>
<th>Ambient temperature</th>
<th>Class I, Div. 2</th>
<th>Class II, Div. 1</th>
<th>Simultaneous rating</th>
<th>Class I, Zone 2</th>
<th>Class III, Div. 1</th>
<th>Class II, Div. 1, Groups E, F, G</th>
<th>Zone 21 AEx tb IIIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>3L, 5L, 7L, 9L, 11L</td>
<td>/UNV1</td>
<td>40°C</td>
<td>T5</td>
<td>T5</td>
<td>T3C</td>
<td>T5</td>
<td>T72°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3L, 5L, 7L, 9L, 11L</td>
<td>/UNV1</td>
<td>55°C</td>
<td>T5</td>
<td>T5</td>
<td>T4A</td>
<td>T3A</td>
<td>T5</td>
<td>T87°C</td>
<td></td>
</tr>
<tr>
<td>3L, 5L, 7L, 9L, 11L</td>
<td>/UNV1</td>
<td>65°C</td>
<td>T4A</td>
<td>T4A</td>
<td>T3A</td>
<td>T4</td>
<td>T92°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3L, 5L, 7L, 9L, 11L</td>
<td>/UNV34</td>
<td>40°C</td>
<td>T3C</td>
<td>T5</td>
<td>T3C</td>
<td>T4</td>
<td>T70°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3L, 5L, 7L, 9L, 11L</td>
<td>/UNV34</td>
<td>55°C</td>
<td>T3A</td>
<td>T4A</td>
<td>T3A</td>
<td>T4</td>
<td>T85°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3L, 5L, 7L, 9L, 11L</td>
<td>/UNV34</td>
<td>65°C</td>
<td>T4A</td>
<td>T4A</td>
<td>T3A</td>
<td>T4</td>
<td>T92°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13L, 17L</td>
<td>/UNV1; UNV34</td>
<td>40°C</td>
<td>T5</td>
<td>T4A</td>
<td>T4A</td>
<td>T6</td>
<td>T66°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13L, 17L</td>
<td>/UNV1; UNV34</td>
<td>55°C</td>
<td>T4</td>
<td>T4A</td>
<td>T4</td>
<td>T5</td>
<td>T81°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21L, 25L</td>
<td>/UNV1; UNV34</td>
<td>40°C</td>
<td>T4A</td>
<td>T4A</td>
<td>T4</td>
<td>T5</td>
<td>T71°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21L, 25L</td>
<td>/UNV1; UNV34</td>
<td>55°C</td>
<td>T4</td>
<td>T4A</td>
<td>T4</td>
<td>T5</td>
<td>T86°C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EATON’S CROUSE-HINDS SERIES** Champ® VMV LED Luminaires
## Ordering Information

**Part number example**

VMV17LW2AR1G/UNV1 S890

<table>
<thead>
<tr>
<th>Lamp/function</th>
<th>Color temperature</th>
<th>Guard</th>
<th>Optics</th>
<th>Accessories (ordered separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3L</td>
<td>BLANK</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5L</td>
<td>Cool (5000K) or colored</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7L</td>
<td>Warm (3000K)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9L</td>
<td>Neutral (4000K)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11L</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>13L</td>
<td></td>
<td></td>
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<tr>
<td>17L</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>21L</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>25L</td>
<td></td>
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</tr>
<tr>
<td>GL*</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>AL*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Custom optics not available with colored LEDs.

<table>
<thead>
<tr>
<th>Mounting style</th>
<th>Suffixes</th>
<th>Optics</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLANK No Cover</td>
<td></td>
<td></td>
</tr>
<tr>
<td>J* 1-½” stanchion, 25° angled</td>
<td>S812* Trunnion mount kit with pin</td>
<td></td>
</tr>
<tr>
<td>P 1-½” stanchion, straight</td>
<td>S831** Safety cable</td>
<td></td>
</tr>
<tr>
<td>2A ¾” pendant</td>
<td>S890 Quick clip</td>
<td></td>
</tr>
<tr>
<td>3A 1” pendant</td>
<td>S891** Diffused lens</td>
<td></td>
</tr>
<tr>
<td>20A 20mm pendant</td>
<td>S892*** Redundant driver</td>
<td></td>
</tr>
<tr>
<td>25A 25mm pendant</td>
<td>S896** Teflon coated lens</td>
<td></td>
</tr>
<tr>
<td>2B ¾” cone pendant</td>
<td>S903 Polycarbonate lens</td>
<td></td>
</tr>
<tr>
<td>3B 1” cone pendant</td>
<td>TB6 Six-pole terminal block</td>
<td></td>
</tr>
</tbody>
</table>

* Order with ceiling mount only.
** Not available for IEC.
*** Available for 5L & 7L only. Redundant driver standard on 9L - 25L models.

7L = 6,616 lumens with S892 suffix.

<table>
<thead>
<tr>
<th>Lamp/function</th>
<th>Voltage</th>
<th>Accessories (ordered separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3L</td>
<td>/UNV1</td>
<td>D2S20 Photocell, 120V, 50/60 Hz</td>
</tr>
<tr>
<td>5L</td>
<td>120-277 VAC, 50/60 Hz; 108-250 VDC, 50/60 Hz</td>
<td></td>
</tr>
<tr>
<td>7L</td>
<td>/UNV34</td>
<td>D2S208 277 Photocell, 208-277V</td>
</tr>
<tr>
<td>9L</td>
<td>347-480 VAC, 50/60 Hz</td>
<td></td>
</tr>
<tr>
<td>11L</td>
<td></td>
<td>VMVL S812 K1* Trunnion mount kit with pin</td>
</tr>
</tbody>
</table>

* For VMV3L-VMV11L only.

 Connected lighting

Flexible & intuitive software controls

Tune light output to meet safety and task needs – light where you need it

For more information go to: Crouse-Hinds.com/LEDconnected

* Order with ceiling mount only.
Mounting options and dimensions: 3L–11L

**Stanchion - 25° Angled**

**Stanchion - Straight**

**Pendant**

**Ceiling**

**Wall**

**Cone pendant**

**Trunnion**

**Mounting module series**

- **Pendant**
  - APM2
  - APM3
  - HPM2

- **Cone**
  - BPM2
  - BPM3

- **Ceiling**
  - CM2
  - CM3

- **Wall**
  - TWM2
  - TWM3

- **Stanchion**
  - JM5
  - PM5

- **VMV*L**
Mounting options and dimensions: 13L–25L

Ceiling
Top view: 13L-25L

Pendant
Top view: 13L-25L

Cone pendant
Top view: 13L-25L

Stanchion
Top view: 13L-25L

Wall
Top view: 13L-25L

Trunnion
13L & 17L
21L & 25L

Bracket for wall mount or SFA6 slipfitter
2X trunnion rotation hardware
2X top hat mounting hardware
CM2, CM3, CM20 or CM25 top hat
2X locking pins

Bracket for wall mount or SFA6 slipfitter
2X trunnion rotation hardware
2X top hat mounting hardware
CM2, CM3, CM20 or CM25 top hat
2X locking pins
Photometric comparison at 15 ft. mounting height

Higher average footcandles, uniformity and distribution coverage with less than half the lumens and energy consumption compared to 175W metal halide.

Actual lumens (nominal†) | VMV3L | VMV6L | VMV7L | VMV9L | VMV11L
---|---|---|---|---|---
Type I | 3,360 | 5,045 | 6,814 | 8,823 | 10,730
Type III | 3,309 | 4,468 | 6,741 | 8,618 | 10,660
Type V | 3,531 | 5,335 | 7,195 | 9,266 | 11,440

Actual lumens (nominal†) | VMV13L | VMV17L | VMV21L | VMV25L
---|---|---|---|---
Type I | 12,842 | 18,194 | 21,494 | 25,685
Type III | 12,493 | 17,699 | 20,822 | 24,987
Type V | 13,266 | 18,793 | 22,110 | 26,531

† Tolerance +/- 10%.
For more information:
If further assistance is required, please contact an authorized Eaton Distributor, Sales Office, or Customer Service Department.

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