

Champ® Pro PVM Series Luminaires

UL/cUL Listed
Type 4X
IP66

2L

Ideal for general high bay/low bay illumination

The Champ® Pro PVM Family

Champ® Pro PVM Series Luminaires are designed to provide full-spectrum, crisp, white light with custom IES Type I, III, and V distribution. Five versions of the PVM Series are available, providing ideal solutions for a wide range of applications.

Model	Nominal† Lumens (Type V)	Wattage	Equivalent HID Luminaire	Typical Energy Savings / Lifetime
PVM3L	3,515	41	70W-100W	Up to 77%
PVM5L	5,288	67	100W-150W	Up to 67%
PVM7L	7,404	94	150W-175W	Up to 67%
PVM9L	9,515	114	250W-400W	Up to 74%
PVM11L	10,935	118	400W	Up to 74%

†Tolerance +/- 10%.



Applications:

- Locations requiring continuous and consistent light levels in extreme ambient temperatures
- Areas requiring frequent on-and-off of lights
- Where extremely corrosive, wet, dusty, hot and/or cold conditions exist
- Manufacturing plants; heavy industrial, chemical, petrochemical, or pharmaceutical facilities; food and beverage facilities; mining; platforms; loading docks; tunnels; indoor/outdoor spot lighting; outdoor wall and stanchion mounted general area lighting

Champ Pro PVM LED Benefits:

- Instant illumination and restrike
- Better visibility with crisp, white light
- Cold temperature operation / no warm-up required
- 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
- Provides up to 60,000 hours rated life and up to 170,000 hours of economic life - eliminates need for frequent lamp replacement
- 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 55°C
- Dark sky compliant
- 5 year fixture warranty††

††Refer to page 2 of the D-0413 authorized distributor price book for Eaton's Crouse-Hinds standard Terms and Conditions.

Certifications and Compliances:

- DesignLights Consortium® for select models* (pending)

NEC and CEC

- Wet Locations, Type 4X, IP66

UL Standards

- UL1598 Luminaires, UL1598A Marine

CSA Standard

- cUL Listed to CSA Standard CSA C22.2 No. 250

IEC Standard

- CE

*Cool white 120-277 VAC 3L-11L models. Refer to page 2 of the D-0413 authorized distributor price book for Eaton's Crouse-Hinds standard Terms and Conditions.

LED System:

- High intensity discrete power emitters
- Cool white (5000K, 70 CRI) and warm white (3000K, 80 CRI)
- Custom optics designed to go over each discrete LED

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

Electrical Ratings:

	PVM3L	PVM5L	PVM7L	PVM9L	PVM11L
Voltage Range, VAC	120-277	120-277	120-277	120-277	120-277
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Input Power (Watts)	41	67	94	114	118
Input Amps at 120-277 VAC	0.34-0.17	0.57-0.29	0.80-0.42	0.96-0.49	0.96-0.49
Voltage Range, VDC	108-250	108-250	108-250	108-250	108-250
Power Factor	>0.90	>0.90	>0.90	>0.90	>0.90
Nominal Lumens† (Type V)	3,515	5,288	7,404	9,515	10,935

†Tolerance +/- 10%.

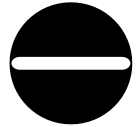
Custom Optics:

Three optical options to maximize light distribution and intensity:

TYPE I

Ideal for:

- Mining conveyor belts
- Aisleways and hallways
- Catwalks and walkways
- Ramps and loading docks
- Tunnels with overhead mounts



TYPE III

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

Ideal for:

- Pendant, ceiling or stanchion mount overhead building mounts
- Processing mills, industrial plants, large buildings, warehouses, etc.



Drivers:

Option	3L - 11L
/UNV1	120-277 VAC, 50 / 60 Hz
/UNV34**	347-480 VAC, 50 / 60 Hz
/VDC‡	108-250 VDC, 50 / 60 Hz

**No separate external transformer required to step down voltage.

‡Separate driver for DC applications.