

# Champ Pro PVMA LED luminaires

UL Listed  
CSA Certified  
IP66  
RoHS

2L

Champ® Pro PVMA LED luminaires are engineered to provide maintenance-free illumination in the most demanding environments. The Champ Pro PVMA features a compact, high efficacy design with custom optics to ensure maximum efficiency and mounting flexibility, including the ability to retrofit the Crouse-Hinds installed base to service both LED upgrades and new projects.

Model	Nominal lumens <sup>A</sup>	Watts <sup>B</sup>	Lumens per watt	Equivalent MH luminaire
PVMA5L	5,884	48	122	150W
PVMA7.5L	7,766	64	122	175W

## Applications:

- Non-hazardous medium or heavy duty industrial environments
- Indoor or outdoor areas with extreme ambient temperatures; corrosive, wet or dusty conditions; high vibration installations
- Locations requiring consistent light levels with the flexibility of instant on/off
- Installations that require frequent re-lamping due to challenging conditions
- Mining, marine, food and beverage, wood, pulp and paper, pharmaceutical, livestock, wastewater, steel, power generation, chemical, automotive, aviation, aerospace and general industrial manufacturing

## Features:

- Rugged design – die cast aluminum construction with Corro-free™ epoxy powder coat for durability in complex environments
- High efficiency – up to 122 lumens per watt and custom optics to maximize light on the work plane
- Ease of installation – compact footprint with ceiling, pendant, wall or stanchion mount options and the ability to retrofit Crouse-Hinds installed base
- 5 year fixture warranty

## Certifications and compliances:

### NEC/CEC:

- IP66

### UL standards:

- UL1598 – Luminaires; UL1598A – Marine

### CSA standard:

- C22.2 No. 250

### IEC standards:

- CE
- IEC 60598
- RoHS

## Standard materials:

- Lamp housing and adapter – die cast aluminum with Corro-free epoxy powder coat
- Lens – heat- and impact-resistant glass (standard); diffused glass, polycarbonate, diffused polycarbonate (optional)
- Gaskets – silicone

## Photometrics:

- Refer to [www.eaton.com](http://www.eaton.com) (under the Resources tab of each product family) for specific photometric IES files



## Electrical ratings:

Model	Input power (watts)	Input amps at 277 VAC
PVMA5L	48	0.17
PVMA7.5L	64	0.23

### All models

Voltage range, VAC	120-277V at 50/60 Hz; 347-480V at 60 Hz
Voltage range, VDC	127-300V (5L UNV1 models only)
Power factor	≥ 0.90
THD	≤ 20%

Surge rating	-UNV1	-UNV34	Combi-wave surge <sup>C</sup>
Model	Line to line	Line to earth	
PVMA5L	4kV	6kV	6kV
PVMA7.5L	6kV	10kV	6kV

## Accessories:

### Mounting (ordered separately)

VMVL S812 K1	Trunion mount kit with pin
VMVL S831 K1	Safety cable kit
VMVL S890 K1	Quick-Clip kit

### Lens guard (ordered separately)

PA3001	Wire guard
P3003	Wire guard for UPLT glass globe

### Mounting adapters

CHMM1	For Appleton MercMaster III mounts
CHMM2	For MercMaster II mounts
CHMM3	For Thomas & Betts HazLux mounts
CHMM4	For GE H2 Filtr-Gard mounts

### Replacement driver kits (ordered separately)

PVMA5L/UNV1 DRIVER KIT	Replacement driver kit for 5L UNV1 driver (120-277 VAC, 50/60 Hz; 127-300 VDC)
PVMA5L/UNV34 DRIVER KIT	Replacement driver kit for 5L UNV34 driver (347-480 VAC, 60 Hz)
PVMA7.5L/UNV1 DRIVER KIT	Replacement driver kit for 7.5L UNV1 driver (120-277 VAC, 50/60 Hz)
PVMA7.5L/UNV34 DRIVER KIT	Replacement driver kit for 7.5L UNV34 driver (347-480 VAC, 60 Hz)

<sup>A</sup> Nominal lumens based on Type V optics, 5000K CCT with clear glass lens.

<sup>B</sup> Wattage measured at 120 VAC.

<sup>C</sup> Combi-wave surge rating to comply with ANSI C82.77-5 CAT C low.

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## Ordering information:

Part number example

PVMA-5L-W-2C-R1-G-UNV1-S831-S891

## PVMA -5L -W -2C -R1 -G -UNV1 -S831 -S891

### Light source / intensity

5L	5,884 nominal lumens
7.5L	7,766 nominal lumens

### Color temperature<sup>ⓓ</sup>

BLANK	5000K, 70 CRI (cool white)
W	3000K, 70 CRI (warm white)

### Lens guard

BLANK	No guard
G	Wire guard

### Optics

BLANK	Type V optic standard
R1	Type I optic
R3	Type III optic

### Voltage

UNV1	120-277 VAC, 50/60 Hz; 127-300 VDC (5L UNV1 models only)
UNV34	347-480 VAC, 60 Hz

### Lens material

BLANK	Clear glass
S891	Diffused glass
S896	Teflon coated
S903	Polycarbonate
S903D	Diffused polycarbonate

### Accessories

S812 <sup>ⓔ</sup>	Trunnion mount kit with pin
S831	Safety cable
S890	Quick-Clip
UPLT <sup>ⓕ</sup>	Uplight glass globe

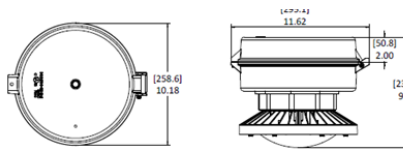
Ordered with fixture or available separately.

### Mounting style

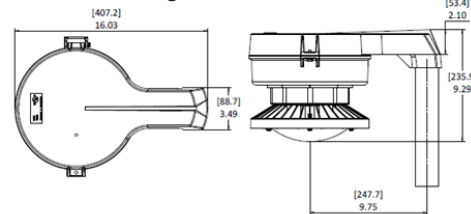
BLANK	No mounting module	3A	1" pendant	3B	1" cone pendant	25C	25mm ceiling	20TW	20mm wall
J	1½" stanchion, 25° angled	20A	20mm pendant	2C	¾" ceiling	2HA	¾" flexible pendant	25TW	25mm wall
P	1½" stanchion, straight	25A	25mm pendant	3C	1" ceiling	2TW	¾" wall		
2A	¾" pendant	2B	¾" cone pendant	20C	20mm ceiling	3TW	1" wall		

## Dimensions:

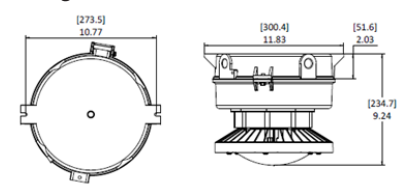
### Pendant



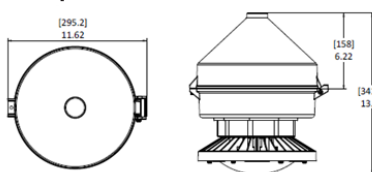
### Stanchion - straight



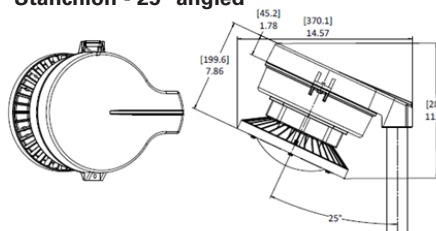
### Ceiling



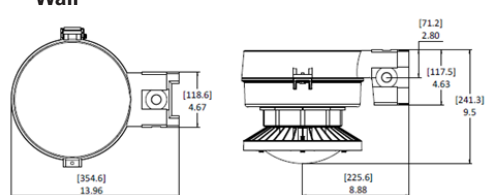
### Cone pendant



### Stanchion - 25° angled



### Wall



<sup>ⓓ</sup> 4000K and 5700K available upon request. Contact factory for availability.

<sup>ⓔ</sup> Available with ceiling mounting modules only.

<sup>ⓕ</sup> For use with Type V optic only.