

# Champ Pro PVML LED luminaires

3,000 to 7,000 lumens

UL/cUL Listed  
IEC/CE  
Wet Locations  
Type 4X; IP66

2L

2L

## The Champ Pro PVML LED family

The Champ® Pro PVML light fixture is a field-proven design that helps ensure safety, reliability and performance in industrial areas. The optional M3 configuration adds intelligent control and insight capabilities to deliver more operational value and better total cost of ownership.

### Certifications and compliances:

- DesignLights Consortium® Qualified<sup>A</sup>

#### NEC/CEC/IEC:

- Wet locations, Type 4X, IP66

#### UL standards:

- UL1598 – Luminaires
- UL1598A – Marine
- UL8750
- UL50E

#### CSA standard:

- cUL Listed to CSA standard C22.2 No. 250
- CSA C22.2 No. 250.13
- CSA C22.2 No. 94.2

#### IEC/EN standards:

- CE
- EN/IEC 60598-1
- EN/IEC 60598-2-1
- EN/IEC 60529

### Standard materials:

- Lamp housing and adapter – die cast aluminum with Corro-free™ epoxy powder coat
- Lens – heat- and impact-resistant clear or diffused glass; polycarbonate (optional)
- Gaskets – silicone
- External hardware – stainless steel
- Factory sealed, no external seals required
- Contains no mercury or other hazardous substances

### Fixture warranty:

- 7-year fixture warranty<sup>B</sup>

### LED system:

- Energy-efficient technology – up to 77% energy savings over HID fixtures
- High intensity discrete power emitters
- Cool white (5000K, 70 CRI) (standard); warm white (3000K, 80 CRI), neutral white (4000K, 70 CRI), or deep warm (2200K, 70 CRI, dark sky ready) (optional)
- Custom Type I, III and V optics available<sup>C</sup>

### Colored LED options:

- Available in true green and true amber wildlife friendly applications<sup>C</sup>
- Reduction in light pollution for night space observation and sky glow due to isolating blue wavelength in red and amber colors
- Improves visibility for telescopes in observatories during night sky space exploration



### 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        | Weight<br>Kg. (Lbs.) | Nominal<br>lumens <sup>D</sup> | Efficacy<br>(lm/W) | Nominal<br>watts | Max.<br>watts <sup>E</sup> | Voltage                  | Nominal<br>amps | Max.<br>amps <sup>E</sup> | Power<br>factor    | THD  | Surge<br>protection |
|--------------|----------------------|--------------------------------|--------------------|------------------|----------------------------|--------------------------|-----------------|---------------------------|--------------------|------|---------------------|
| PVML-3-UNV1  | 5.45 (12.00)         | 3,225                          | 153                | 21               | 23                         | 100-277 VAC; 127-250 VDC | 0.22 - 0.08     | 0.26                      | >0.90 <sup>F</sup> | <15% | 6kV                 |
| PVML-5-UNV1  | 5.45 (12.00)         | 5,456                          | 155                | 35               | 39                         | 100-277 VAC; 127-250 VDC | 0.36 - 0.13     | 0.45                      | >0.90              | <15% | 6kV                 |
| PVML-7-UNV1  | 5.45 (12.00)         | 7,607                          | 152                | 50               | 54                         | 100-277 VAC; 127-250 VDC | 0.50 - 0.19     | 0.60                      | >0.90              | <15% | 6kV                 |
| PVML-AT-UNV1 | 5.45 (12.00)         | 2,030                          | 75                 | 27               | 33                         | 100-277 VAC; 127-250 VDC | 0.27 - 0.10     | 0.37                      | >0.90              | <15% | 6kV                 |
| PVML-GT-UNV1 | 5.45 (12.00)         | 2,900                          | 145                | 20               | 23                         | 100-277 VAC; 127-250 VDC | 0.20 - 0.07     | 0.27                      | >0.90 <sup>F</sup> | <15% | 6kV                 |

<sup>A</sup>Refer to [www.designlights.org](http://www.designlights.org) for full listing details.

<sup>B</sup>Refer to the authorized distributor price book for Crouse-Hinds standard Terms and Conditions. Standard 7-year warranty extends to 10-year warranty from date of installation with active subscription to Brightlayer Lighting software plan.

<sup>C</sup>Custom optics not available with colored LEDs.

<sup>D</sup>Nominal lumens are based on Type V optics, 5000K CCT with a clear glass lens. The nominal wattage is measured at 120 VAC.

<sup>E</sup>In the event of an abnormal condition (single-string functioning), the maximum wattage and current will be reached.

<sup>F</sup>For PVML-3-UNV1 and PVML-GT-UNV1: PF >0.90 from 100-255 VAC.

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## Design features – all Champ Pro PVML LED models:

### LONG-LIFE RELIABILITY

#### A Serviceable drivers

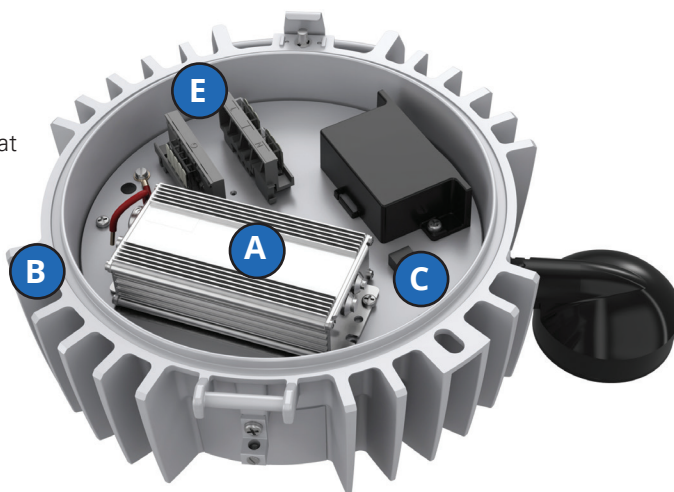
- Fully serviceable drivers are isolated from the primary heat source (LED engine) to maximize economic life

#### B Thermal management

- Heat fins help ensure proper air flow and facilitate dust shedding for effective heat dissipation and thermal management of LED engine

#### C Performance in extreme environments

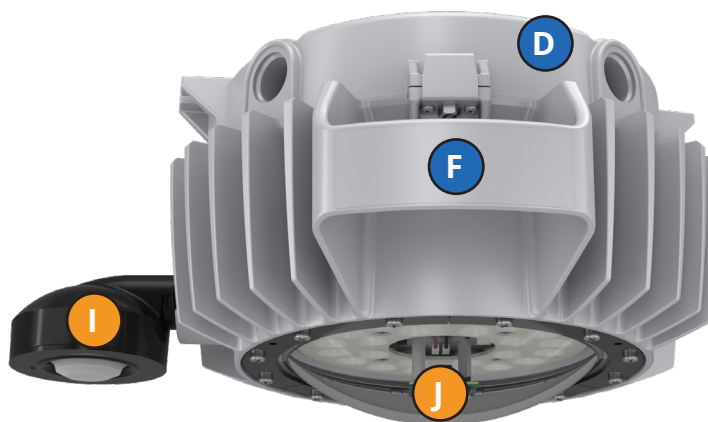
- Up to 60,000 hours lifetime at +65°C
- Operating ambient: -40°C to +65°C
- Type 4X, IP66
- Corrosion-resistant aluminum housing with Corro-free epoxy power coating
- Vibration tested in accordance with Section 33 of UL844
- Impact tested in accordance with Section 68 of UL844
- 6kV surge protection



### INSTALLATION EASE

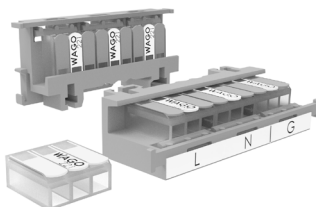
#### D Retrofit-friendly universal top hats

- 7 mounting module styles help ensure that the fixtures are installed in the correct location to properly light your facility
- Crouse-Hinds series Champ LED luminaires utilize the same mounting modules as our legacy products, simplifying installation and significantly reducing costs in retrofit projects
- We also offer mounting adapters and kits for quick connection to other manufacturers' modules (Appleton, Thomas and Betts, GE)



#### E Lever lock connectors and terminal blocks

- Plug and play wiring simplifies and speeds installations
- Accepts 10-20 AWG wire



#### F Carrying handle

- Integral carrying handle simplifies transportation and installation at the job site

Image is representative only



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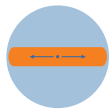
2L

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## LIGHT PERFORMANCE AND QUALITY

### G Custom optics and colors

- Directs light where you need it, helping eliminate gaps and dark spots
- Can potentially reduce the number of light fixtures required in your application
- Green and amber LEDs available for wildlife conservation applications



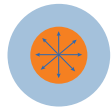
#### TYPE I

Long and rectangular for hallways, walkways, loading docks, catwalks



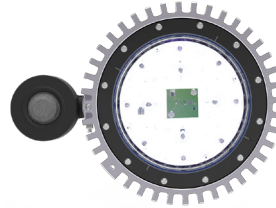
#### TYPE III

Stanchion and wall mount light distribution, minimizing spillover on the wall



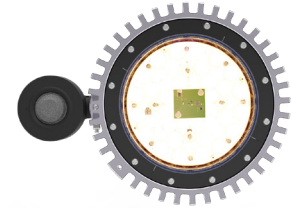
#### TYPE V

Regular circular distribution pattern for high/low bay indoor and outdoor ceiling or pendant mount lighting



#### 5000 K – COOL

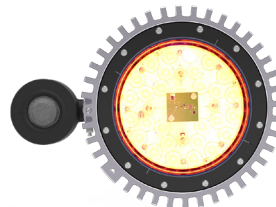
Crisp, bright white with a blue hue



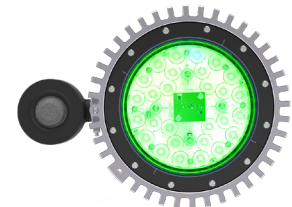
#### 3000 K – WARM

Warm white with a yellow hue

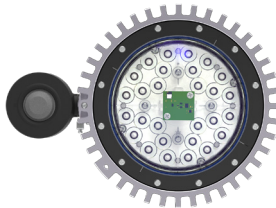
**Note:** Also available in 2200K and 4000K upon request.



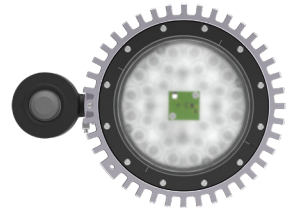
#### TRUE AMBER



#### TRUE GREEN



#### CLEAR



#### DIFFUSED

### H Glass or polycarbonate lens with clear or diffused finish

- A variety of lens materials and finishes available to meet customer requirements or preference

## Additional design features – PVML M3 models with intelligent control and insight: SENSING, CONTROLLING AND COMMUNICATING

### I Intelligent multi-sensor (optional accessory)

- Replaceable sensor can be factory installed at purchase, or field installed at a later date
- Sensor is integral to light fixture—no field wiring required
- PIR occupancy sensor with LED indicator
  - Automatically illuminates the area once presence is detected
  - Light turns back off when presence is no longer sensed for a set period of time
- Photo sensor for daylight harvesting and lux reporting
- Measures available daylight and adjusts light level of the luminaire to maintain desired light levels

### J Smart controller

- Controller manages dimming, scheduling and grouping functionality, as well as notifications and alarming
- 90-minute on-board back-up memory maintains system clock and control profiles in event of power disruption
- User-selected option for thermal-rollback enables driver and LED protection during extreme temperature events
- Every PVML M3 intelligent light fixture features connectivity capability

### K Integrated antenna

- Attached to the optics board inside the lens, maintaining the fixture's hazardous ratings
- Connects easily to Eaton's Brightlayer Lighting control interface; no complex hardware required to commission and control the lights
- Bluetooth Low Energy (BLE) protocol enables decentralized control of the system without complex and expensive IT network gear
- Up to 30 foot range fixture-to-fixture
- Backed by Eaton's Cybersecurity Center of Excellence, which enforces security through training, technology, best practices and industry standards

These design features are only available on Champ Pro PVML M3 Intelligent light fixtures and require an active Brightlayer Lighting software subscription to enable. A Brightlayer Lighting plan can be activated at any time.

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## Ordering information:

Part number example: **PVML-3-N-A2-R1-G-UNV1-SS12-M3-DROCC1**

# PVML - 3 - N - A2 - R1 - - G - UNV1 - SS12 - M3 - DROCC1

### Light source/intensity

|                        |                                                  |
|------------------------|--------------------------------------------------|
| <b>3</b>               | 3250 nominal lumens                              |
| <b>5</b>               | 5537 nominal lumens                              |
| <b>7</b>               | 7442 nominal lumens                              |
| <b>AT</b> <sup>H</sup> | True amber LEDs (dominant wavelength 585-595 nm) |
| <b>GT</b> <sup>H</sup> | True green LEDs (dominant wavelength 520-535 nm) |

### Color temperature

|                       |                                     |
|-----------------------|-------------------------------------|
| <b>BLANK</b>          | 5000K, 70 CRI (cool white)          |
| <b>N</b> <sup>H</sup> | 4000K, 70 CRI (neutral white)       |
| <b>W</b>              | 3000K, 80 CRI (warm white)          |
| <b>D</b> <sup>H</sup> | 2200K CCT, 70 CRI (deep warm white) |

### Mounting style

|              |                           |
|--------------|---------------------------|
| <b>BLANK</b> | No mounting module        |
| <b>J5</b>    | 1½" stanchion, 25° angled |
| <b>P5</b>    | 1½" stanchion, straight   |
| <b>A2</b>    | ¾" pendant                |
| <b>A3</b>    | 1" pendant                |
| <b>H2</b>    | ¾" offset pendant         |
| <b>T2</b>    | ¾" wall                   |
| <b>T3</b>    | 1" wall                   |
| <b>C2</b>    | ¾" ceiling                |
| <b>C3</b>    | 1" ceiling                |
| <b>B2</b>    | ¾" dust shedding          |
| <b>B3</b>    | 1" dust shedding          |
| <b>A20</b>   | 20mm pendant              |
| <b>A25</b>   | 25mm pendant              |
| <b>C20</b>   | 20mm ceiling              |
| <b>C25</b>   | 25mm ceiling              |
| <b>T20</b>   | 20mm wall                 |
| <b>T25</b>   | 25mm wall                 |

### Lens guard

|              |            |
|--------------|------------|
| <b>BLANK</b> | No guard   |
| <b>G</b>     | Wire guard |

### Lens material

|              |                                                         |
|--------------|---------------------------------------------------------|
| <b>BLANK</b> | Clear glass                                             |
| <b>DG</b>    | Diffused glass <sup>I</sup> <sup>K</sup> <sup>L</sup>   |
| <b>PC</b>    | Polycarbonate <sup>I</sup>                              |
| <b>UP</b>    | Uplight glass globe refractor <sup>I</sup> <sup>L</sup> |

### Optics

|                          |                                                                               |
|--------------------------|-------------------------------------------------------------------------------|
| <b>BLANK</b>             | Type V optic standard                                                         |
| <b>R1</b> <sup>I</sup>   | Type I optic (all mounts minus ceiling)                                       |
| <b>R3</b> <sup>I</sup>   | Type III optic (all mounts minus ceiling)                                     |
| <b>R1A</b> <sup>I</sup>  | Type I optic (ceiling with conduit 45° counterclockwise from top hat hinge)   |
| <b>R3A1</b> <sup>I</sup> | Type III optic (ceiling with conduit 45° counterclockwise from top hat hinge) |

### Connectivity

|           |                     |
|-----------|---------------------|
| <b>M2</b> | Standard fixture    |
| <b>M3</b> | Intelligent fixture |

### Accessories and options

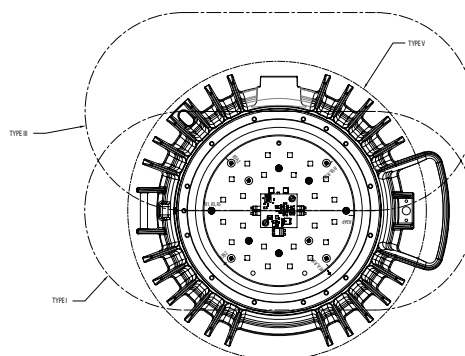
|                          |                                                       |
|--------------------------|-------------------------------------------------------|
| <b>BLANK</b>             | No external sensor included                           |
| <b>SS12</b> <sup>M</sup> | Sensor with barrier board (12-30 ft. mounting height) |
| <b>SC</b>                | Safety cable                                          |
| <b>TB6</b>               | 6-pole terminal block                                 |
| <b>TM</b> <sup>N</sup>   | Trunnion mount kit with pin                           |

### Voltage

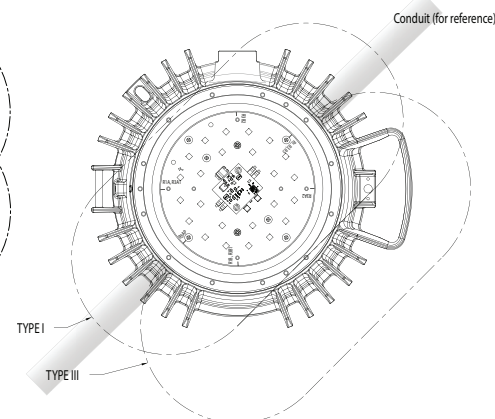
|             |                                       |
|-------------|---------------------------------------|
| <b>UNV1</b> | 100-277 VAC, 50/60 Hz;<br>127-250 VDC |
|-------------|---------------------------------------|

### Factory set options <sup>O</sup>

|               |                              |
|---------------|------------------------------|
| <b>BLANK</b>  | No factory set options       |
| <b>DROCC1</b> | Occupancy sensing: 0-100%    |
| <b>DROCC3</b> | Occupancy sensing: 30-100%   |
| <b>DRDLH1</b> | Daylight harvesting: 10-100% |



Type R1 and R3 optic



Type R1A and R3A1 optic

## Subscription add-ons:

### Brightlayer Industrial Intelligent Lighting service plan

|                                   |                                             |
|-----------------------------------|---------------------------------------------|
| <b>BLI-CH-DL-ADV</b> <sup>M</sup> | 1 year Brightlayer Lighting plan (1 device) |
|-----------------------------------|---------------------------------------------|

<sup>H</sup> Consult customer service for lead time.

<sup>I</sup> Additional clocked optics available upon request. Please contact customer service.

<sup>J</sup> Only one lens option may be selected.

<sup>K</sup> UL/cUL only, not available for IECEx/ATEX.

<sup>L</sup> Available with Type V optic only.

<sup>M</sup> Only available on Champ M3 model. An active Brightlayer Lighting subscription is required to enable sensor function and intelligent controls.

<sup>N</sup> Must be used with ceiling mounting modules. For suffix 'TM', the luminaire is restricted to Class I, Division 2 applications only when it is used for pole mounting.

<sup>O</sup> Only available on Champ M3 model. Requires SS12 sensor.

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## Accessories:

### Mounting modules



Stanchion—straight



Stanchion—25° angled



Wall



Ceiling



Cone pendant



Pendant

| Hub size | Stanchion—straight | Stanchion—angled | Pendant | Offset pendant | Wall  | Ceiling | Cone pendant |
|----------|--------------------|------------------|---------|----------------|-------|---------|--------------|
| ¾"       | —                  | —                | APM2    | HPM2           | TWM2  | CM2     | BPM2         |
| 1"       | —                  | —                | APM3    | —              | TWM3  | CM3     | BPM3         |
| 1½"      | PM5                | JM5              | —       | —              | —     | —       | —            |
| 20mm     | —                  | —                | APM20   | —              | —     | —       | —            |
| 25mm     | —                  | —                | APM25   | —              | TWM25 | —       | —            |

| Mounting module    | lb.  | kg.  |
|--------------------|------|------|
| Pendant            | 1.25 | 0.57 |
| Cone pendant       | 4.00 | 1.81 |
| Flexible pendant   | 1.50 | 0.68 |
| Ceiling            | 2.75 | 1.25 |
| Wall               | 4.50 | 2.04 |
| Angled stanchion   | 3.50 | 1.59 |
| Straight stanchion | 4.50 | 2.04 |

### Mounting adapters

|       |                                                     |
|-------|-----------------------------------------------------|
| CHMM1 | Mounting adapter for Appleton MercMaster III mounts |
| CHMM2 | Mounting adapter for Appleton MercMaster II mounts  |
| CHMM3 | Mounting adapter for Thomas and Betts HazLux mounts |
| CHMM4 | Mounting adapter for GE H2 Filtr-Gard mounts        |

### Replacement driver kits

|                            |                                                 |
|----------------------------|-------------------------------------------------|
| VMVL-3-UNV1-M3-DRIVER KIT  | UNV1 replacement driver kit for PVML-3 fixtures |
| VMVL-5-UNV1-M3-DRIVER KIT  | UNV1 replacement driver kit for PVML-5 fixtures |
| VMVL-7-UNV1-M3-DRIVER KIT  | UNV1 replacement driver kit for PVML-7 fixtures |
| VMVL-AT-UNV1-M3-DRIVER KIT | UNV1 replacement driver kit for PVML True Amber |
| VMVL-GT-UNV1-M3-DRIVER KIT | UNV1 replacement driver kit for PVML True Green |

### Mounting kits and hardware

|                  |                                        |
|------------------|----------------------------------------|
| VMVL S812 K1     | Trunnion mount kit with pin            |
| VMVL S812 K1 DBR | PVC coated trunnion mount kit with pin |
| VMVL S831 K1     | Safety cable                           |
| VMVL S890 K1     | Quick clip                             |

Available with ceiling mounted modules only.

Luminaire is restricted to Class I, Division 2 applications only when it is used for pole mounting.

Can be mounted in 90°, 113° and 135° with fixed locking positions.

### Intelligent lighting and control components

|               |                                 |
|---------------|---------------------------------|
| NHZS-SS12 KIT | Sensor and barrier assembly kit |
|---------------|---------------------------------|

### Lens guard

|        |                    |
|--------|--------------------|
| PA3001 | Wire guard         |
| PU3003 | Uplight wire guard |

Available on Champ M3. An active Brightlayer Lighting plan is required for sensor function and intelligent controls.



CHMM1



CHMM2



CHMM3



CHMM4



VMVL S812 K1



PA3001



NHZS-SS12 KIT



PU3003

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## The benefits of Champ M3 Intelligent lighting:

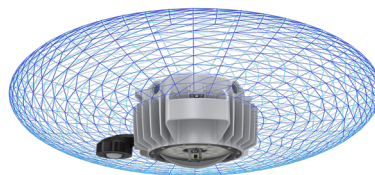


### Maintain up-time and minimize maintenance

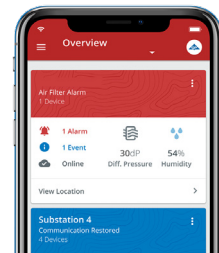
costs by operating your  
lighting WHEN and WHERE  
you need it



**Maximize energy  
savings** and help achieve  
sustainability targets by  
reducing unnecessary light  
use



**Improve safety  
and alarming** with real-  
time monitoring that helps  
minimize personnel time in  
hazardous areas

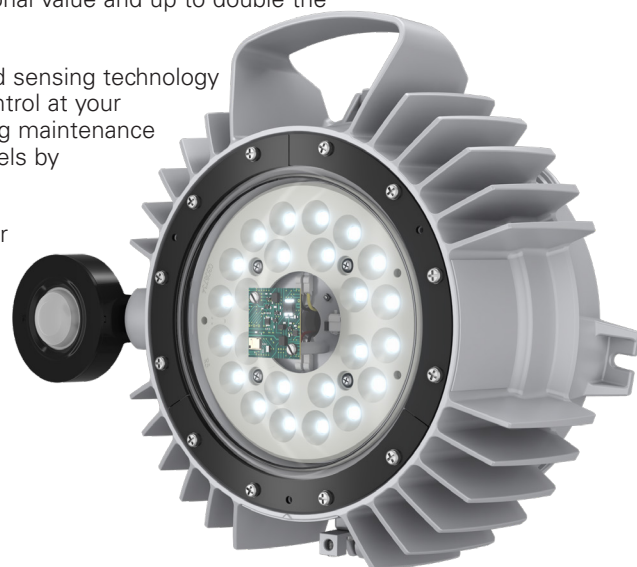


**Easily configure and  
manage your lights** with  
intuitive commissioning  
and control through the  
Brightlayer app

Champ light fixtures, renowned for their reliability and safety in industrial lighting applications, are now available with intelligent control and insight capabilities, delivering more operational value and up to double the fixture lifetime versus a non-controlled LED.

Combining our advanced LED lighting design with communications and sensing technology and the intuitive Brightlayer Lighting app, you now have full lighting control at your fingertips—improving safety, maximizing energy savings and minimizing maintenance costs. Users can set customized fixture behavior and optimize light levels by site—helping minimize energy and maintenance costs.

The system requires no additional wiring, hardware, IT infrastructure, or “always on” cloud connection. A built-in mesh network allows each fixture to communicate with up to 100 other fixtures in range, automatically syncing updates across the network. All communications are protected by fully certified cybersecurity protocols, helping ensure secure and reliable performance.



## Champ Intelligent is Brightlayer ready

Champ Intelligent light fixtures utilize **Brightlayer™ Lighting**, part of Eaton's portfolio of power and energy software and services that enhance assets with control, monitoring and insights to reduce risk and improve safety, efficiency, resiliency and sustainability.

Through Brightlayer Lighting, we combine deep electrical expertise with connected hardware, intelligent software, and expert services—delivering integrated solutions that help businesses better manage power to drive real operational value.



Learn more about Brightlayer Lighting  
Scan QR code or go to:

[Eaton.com/BrightlayerLighting](https://Eaton.com/BrightlayerLighting)

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## 2L Champ M3 Intelligent lighting control functionality:



### Live fixture ID

Our intuitive app-based dashboard enables quick and easy identification of individual lights installed in the field. Simply select "live id" for a specific fixture and it will cycle on and off three times.



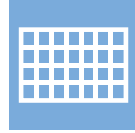
### Device grouping

An added benefit that maximizes control in a defined area. By grouping light fixtures, the same control settings can be applied to them all, increasing efficiency and response time.



### Wireless ON/OFF and dimming

Turn lights on and off directly from the app. Reduce energy consumption by setting dimming levels or high end trim. Used in conjunction with other control features, such as scheduling and occupancy sensing, to further improve energy savings.



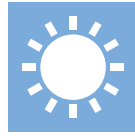
### Intelligent scheduling

Allows for improving energy efficiency during non-operational hours. Easy app-based configuration lets a user set up schedules for lights to be on and off at pre-defined times, removing the challenges of manual management.



### Occupancy sensing

Ideal for areas that see infrequent traffic, such as storage areas of warehouses. Sensor controls can automatically illuminate the area once presence is sensed and turn lights back off when presence is no longer sensed.



### Daylight harvesting

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

Provide the **RIGHT**  
amount of light,  
**WHEN** and  
**WHERE**  
you need it

With Brighlayer Lighting's intuitive app-based interface, you can utilize combinations of the Champ Intelligent control functions across your facility to optimize light levels by site, while minimizing run time to lower your energy and maintenance costs.



#### Site 1: Low traffic, remote or restricted areas

- Keep lights off or dimmed to a safe minimum
- Utilize occupancy sensing to immediately bring grouped lights to a working level when triggered by movement
- Return lights to OFF or dimmed setting after a set period of inactivity

#### Site 2: High traffic area with heavy employee activity, typically during shifts

- Schedule lights to be OFF during non-operational hours and turn on when work starts
- Utilize daylight harvesting where applicable for system-driven changes of fixture light output to maintain consistent lumen levels throughout the day

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3,000 to 7,000 lumens

UL/cUL Listed  
IEC/CE  
Wet Locations  
Type 4X; IP66

2L

## Champ standard and intelligent fixture options:

### The Champ M2 offers a classic, reliable lighting solution for a variety of applications

The **hardware only plan** provides a standard fixture without controls or sensing capabilities. The Champ M2 cannot be upgraded to add sensing or intelligent lighting control features at a later date.

### The Champ M3 Intelligent offers advanced sensing and controls for improved convenience and savings—with the option to connect now or later

The **Brightlayer Lighting subscription plan** provides customized lighting control with a wide range of intelligent features. Create lighting groups and set light levels that can be managed by schedule, available daylight and occupancy. Additionally, you can easily see each fixture's estimated remaining usable life.

**Control-ready** is the default for Champ M3 light fixtures if a Brightlayer Lighting plan is not purchased. Control-ready fixtures can be upgraded to add intelligent control at a later date by adding the subscription plan (and a sensor if one is not already installed).

| Champ M2      | Champ M3      |             |                      |
|---------------|---------------|-------------|----------------------|
| Hardware Only | Hardware Only | Factory Set | Brightlayer Lighting |

## SUPPORT

|                                                       |         |         |           |            |
|-------------------------------------------------------|---------|---------|-----------|------------|
| Pre-sale product training and lighting layout support | ●       | ●       | ●         | ●          |
| Post-sales technical support                          | ●       | ●       | ●         | ●          |
| Warranty                                              | 5 years | 7 years | 10 years* | 10 years** |

## LIGHTING CONTROL FUNCTIONALITY

|                         |  |   |   |   |
|-------------------------|--|---|---|---|
| Wireless on/off/dimming |  | ○ |   | ● |
| Live fixture ID         |  | ○ |   | ● |
| Fixture grouping        |  | ○ |   | ● |
| Advanced scheduling     |  | ○ |   | ● |
| Occupancy sensing       |  | ○ | ● | ● |
| Daylight harvesting     |  | ○ | ● | ● |

## LIVE INSIGHTS AND DATA

|                       |  |   |  |   |
|-----------------------|--|---|--|---|
| Remaining usable life |  | ○ |  | ● |
|-----------------------|--|---|--|---|

## OPERATION AND HARDWARE

|                                                        |  |   |  |   |
|--------------------------------------------------------|--|---|--|---|
| iOS-based control and commissioning                    |  | ○ |  | ● |
| Support for multiple fixtures, sites, groups and users |  | ○ |  | ● |

○ – Feature can be enabled in the future with the addition of sensor and Brightlayer Lighting subscription.

● – Feature is available by default. Sensor required. | \*Starts at time of invoice. | \*\*Starts at time of installation.

## Factory set options:

Factory set options provide many of the advantages of controls with a solution that is ready to go out of the box. No app, commissioning or setup required. These options provide single-fixture operation on one of three standard profiles.

### Occupancy 1

No detection: 0% light level (off)  
Detection: 100% light level (on)  
Stays in "on" state for 60 minutes from last detection.

### Occupancy 3

No detection: 30% light level (dim)  
Detection: 100% light level (on)  
Stays in "on" state for 60 minutes from last detection.

### Daylight harvesting 1

Bright ambient: 10% light level (dim)  
Dark ambient: 100% light level (on)  
Automatically adjusts dimming in steps every 20 minutes.

## Safety and support:



Get peace of mind and maximize protection on your fixtures with **extended warranties up to 10 years** that don't start until the product is installed on your site.



In the unlikely event that connection is lost, fixtures will default to Always On mode to **help ensure a safe environment for personnel**.



Users can enable optional **over-temperature protection to help protect fixtures** if the environment exceeds the rated temperature.

# Champ Pro PVML LED luminaires

3,000 to 7,000 lumens

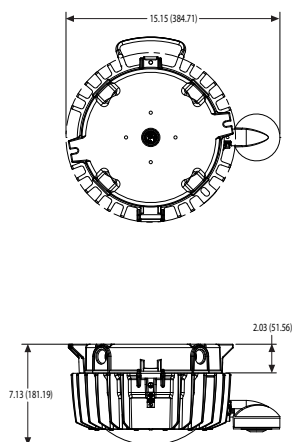
UL/cUL Listed  
IEC/CE  
Wet Locations  
Type 4X; IP66

2L

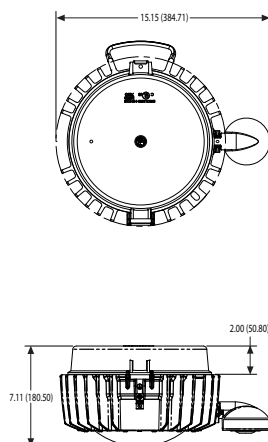
2L

## Dimensions:

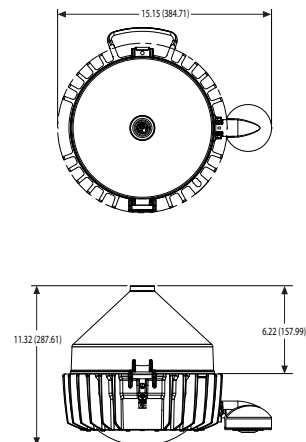
**Ceiling**



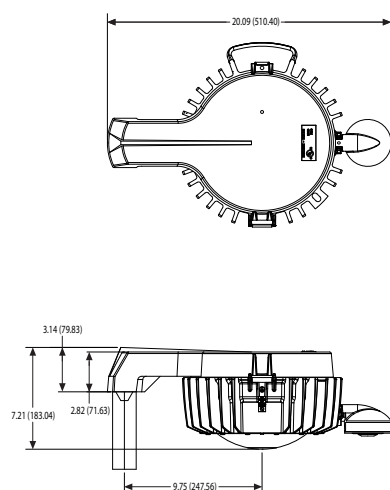
**Pendant**



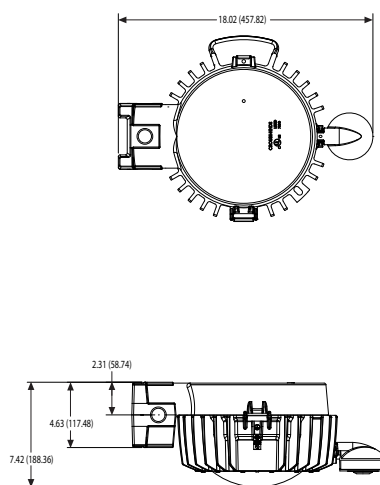
**Cone**



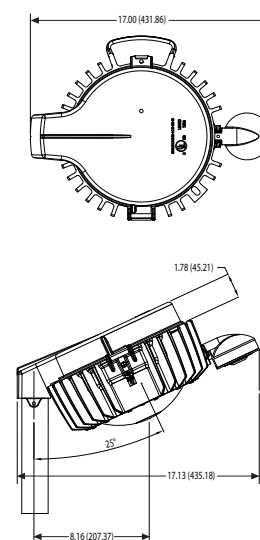
**Stanchion—straight**



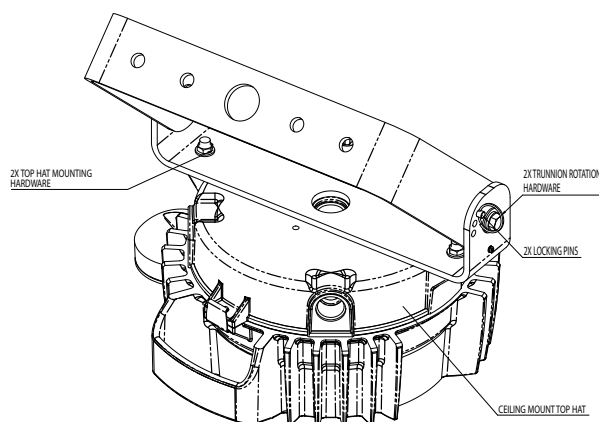
**Wall**



**Stanchion— 25° angled**



**Trunnion**



# Champ Pro PVML LED luminaires

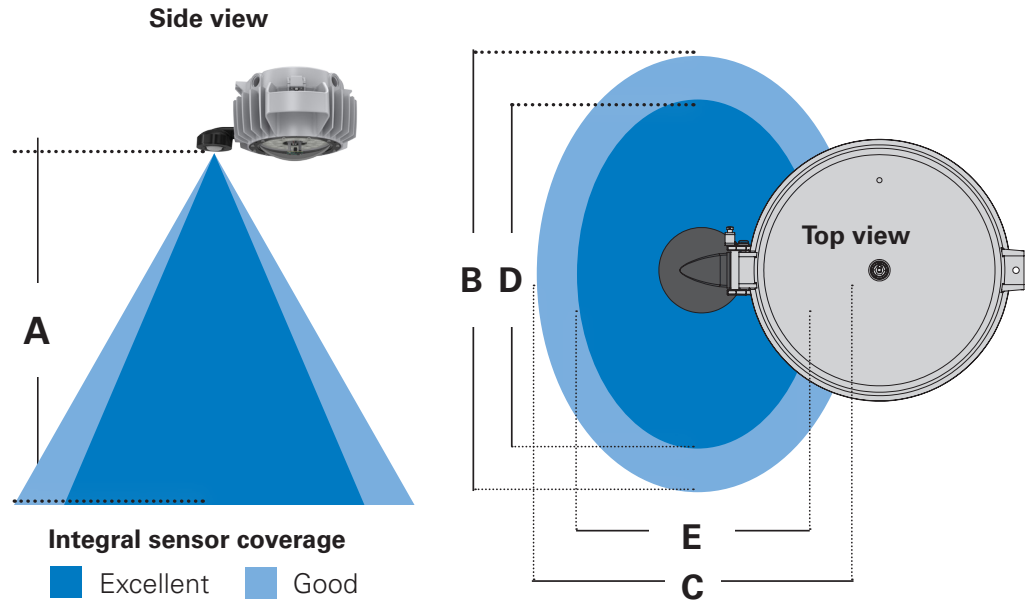
3,000 to 7,000 lumens

UL/cUL Listed  
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2L

## Integral sensor coverage (M3 models):



| Mounting<br>height of<br>fixture | Good coverage |    | Excellent coverage |    |
|----------------------------------|---------------|----|--------------------|----|
|                                  | A             | B  | D                  | E  |
| 12                               |               | 15 | 12                 | 9  |
| 30                               |               | 40 | 36                 | 30 |

**NOTE:** Numbers above are listed in feet.