



Champ® Pro PFM Series 25L and 50L LED Floodlights

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With LED Solutions from Cooper Crouse-Hinds, the Future is Bright

Cooper Crouse-Hinds offers the broadest portfolio of LED luminaires for any industrial or hazardous application. Additionally, we utilize more than 100 years of lighting expertise to optimize the benefits of LED technology to offer the safest and most reliable LED luminaire in the market.



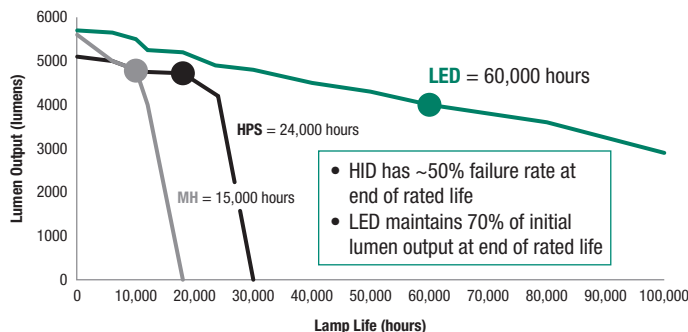
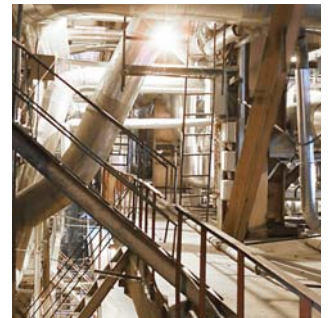
Cooper Crouse-Hinds' LED Luminaires Have Numerous Advantages

Product Life

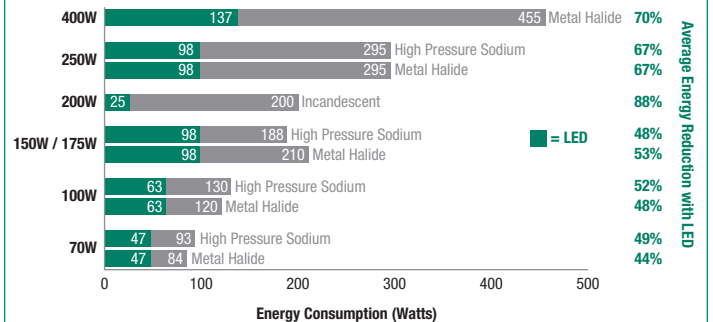
- **Operating life** – the lumen maintenance of a Cooper Crouse-Hinds LED is 60,000 hours. This is a significant upgrade over traditional light sources, such as incandescent and HID lamps.
- **Vibration** – shock- and vibration-resistant solid-state devices have no filaments or glass components that could break, greatly reducing the risk of premature failure.
- **Heat dissipation** – Cooper Crouse-Hinds' heat sinks are specifically engineered to remove heat from the LEDs and driver to ensure longer life, better lumen output, and accurate color temperature.

Energy Efficiency and Lumen Output

- Cooper Crouse-Hinds' LED luminaires on average consume 50% less energy than HID luminaires and 85% less energy than incandescent luminaires.
- LED luminaires provide higher lumens per watt as compared with many traditional lighting technologies (incandescent, compact fluorescent, HID).



Cooper Crouse-Hinds' LED luminaires remove the high maintenance costs associated with traditional lamps.



Cooper Crouse-Hinds' LED luminaires provide the same or better light output at a fraction of the energy.

Traditional HID Floodlight

Champ Pro PFM LED Floodlight



- Up to 65% more efficient
- 60,000 hours lumen maintenance - 2X to 5X the life of typical HID lamps
- Similar footprint to existing floodlights



The Champ® Pro PFM LED Series is a perfect example of Cooper Crouse-Hinds innovation.

- Enhance safety and productivity
- Cut overall cost of ownership
- Reduce energy consumption
- Meet rising environmental standards

Safe, reliable heat transfer

The heat sink was designed to perform in high ambient temperatures up to +40°C and as low as -25°C. The thick walls of the castings make for a tough, rugged housing that keeps the internal driver and LED temperatures down, allowing them to perform flawlessly, and protects them from damage. Separated driver and LED housing allows dust to shed from fixture.



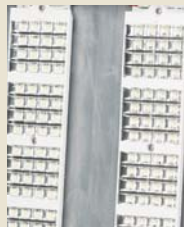
High efficiency and lumen output

High efficiency drivers and LEDs provide 100 LPW for reliable low cost operation in industrial environments. Components were chosen to give industry-leading light output from an LED flood. Replaceable drivers and LEDs for ease of maintenance and “no lights out” feature.



Versatile design

Can be used for outdoor or indoor applications, and for a wide range of mounting heights depending on model and light level requirement. Optics were specifically designed to give the familiar and industry-accepted NEMA 7x6 beam light pattern.



Optional equipment (sold separately)

Optional visor offered to control light spill.
Optional wire guard offered to protect lens from damage.
Other options available - consult part numbering guide.

Champ® Pro PFM Series 25L and 50L LED Floodlights

Champ® Pro PFM LED offers new solutions for old challenges.

It is a new era for Champ® fixtures. This luminaire provides the same durability and reliability of a traditional Champ high wattage floodlight, coupled with the efficiency, low cost of ownership, and high performance of a Champ LED floodlight. High-performance LEDs and solid-state electronic drivers provide light where you need it, at a fraction of the operating cost of HID technologies.

THE CHAMP PRO PFM LED FAMILY

PFM LED Series Floodlights are designed to provide full-spectrum, crisp, white light. Two versions of the Champ Pro PFM LED are available, providing ideal solutions for a wide range of applications.

PFM Model	Equivalent HID Lamp	Energy Savings
PFM25L	750W MH	 Up to 65%!
PFM50L	1500W MH / 1000W HPS	

LED SYSTEM

- High brightness light emitting diodes (LEDs)
- Color temperature: 5000K (CRI 67)
- Advanced heat sink design ensures LED does not exceed manufacturer's temperature ratings across all specified ambient conditions
- LM-79, LM-80 reports available upon request

APPLICATIONS

- High lumen output for installation in high mounting heights
- Locations requiring continuous and consistent light levels
- Areas requiring frequent on-and-off of lights
- Where extremely corrosive, wet, dusty, hot and/or cold conditions exist; indoors or outdoors
- NEMA 4X, marine, wet locations, and hose-down environments
- Indoor and outdoor area lighting in plants, buildings, and parking areas
- Manufacturing plants; heavy industrial, chemical, petrochemical or pharmaceutical facilities; platforms; loading docks; outdoor mounted general area lighting
- Ball mills, stackers and reclaimers, concentrators, smelters, mine roadways, outdoor processing areas, truck service shops, shovels, and drag lines



Application

You're faced with high maintenance and operating costs within your coal-fired power plant. In addition, frequent lamp failures pose a safety concern where continuous lighting is required. You're tasked with identifying a lighting solution that reduces ownership costs and lowers downtime while maintaining similar or improved light levels.

Old Way:

Conventional 600-1500 watt metal halide floodlights are installed throughout the facility and operate continuously. Regular maintenance is required to replace burned-out lamps, which could require scaffolding to be built or other lifting equipment to be rented and can put maintenance personnel into dangerous locations at great heights. According to the Bureau of Labor Statistics, *22% of job related injuries come from workers falling while on the job.* Additionally, any energy that is wasted in operation is lost profit to a power plant.

New Way:

Install 263 watt or 531 watt Champ® Pro PFM LED Floodlights. Benefit immediately from the long life and energy-efficient LED light source. The Champ Pro LED Floodlight is designed to easily adapt to existing SFA6 and SWB6 slipfitters and wall mount brackets.

Benefit:

Realize a potential \$535K in additional energy savings by making the change to Champ Pro PFM LED. Eliminate the need to build scaffolding, rent bucket trucks, and put your maintenance teams in dangerous situations high above the plant floor in order to change out HID lamps.

DRIVERS

PFM Model	25L, 50L
/UNV1	90-305 VAC, 50/60 Hz; 127-250 VDC
/UNV34	277-480 VAC Model

STANDARD MATERIALS

- Housing – copper-free aluminum with Corro-free™ epoxy powder coat
- Lens – heat- and impact-resistant glass
- Yoke mount (standard) – copper-free aluminum with Corro-free™ epoxy powder coat
- Gaskets – silicone
- External hardware – stainless steel
- Factory-sealed, no external seals required

WEIGHTS

PFM Model	Lbs.
PFM25L	52.00
PFM50L	106.00



CERTIFICATIONS AND COMPLIANCES

- UL1598
- UL1598A
- cUL
- NEMA 4X
- IP66
- DesignLights Consortium® approved for select models (refer to Ordering Information for details)
- UL approved up to 40°C ambient



ELECTRICAL RATINGS

	PFM25L	PFM50L
Voltage Range, VAC	120-277V 50/60 Hz 277-480V 50/60 Hz	
Voltage Range, VDC	127-250V	
Input Power (Nom.)	263	531
Input Amps (Max.)	2.6	5.2
Power Factor	>0.90	

OPTIONS

Suffix to add to Catalog No.

- Two conduit/cable glands of like thread installed **S886**
 Diffused glass lens. **S891**
 Polycarbonate lens. **S903**

ACCESSORIES

Catalog No. Sold Separately

- Bolt-on visor (sold separately) **DSV1**
 Bolt-on wire guard (sold separately) **P61**
 Floodlight slipfitter (sold separately) **SFA6***
 Slipfitter wall mount adapter (sold separately) **SWB6***

*Available with PFM25L model only.



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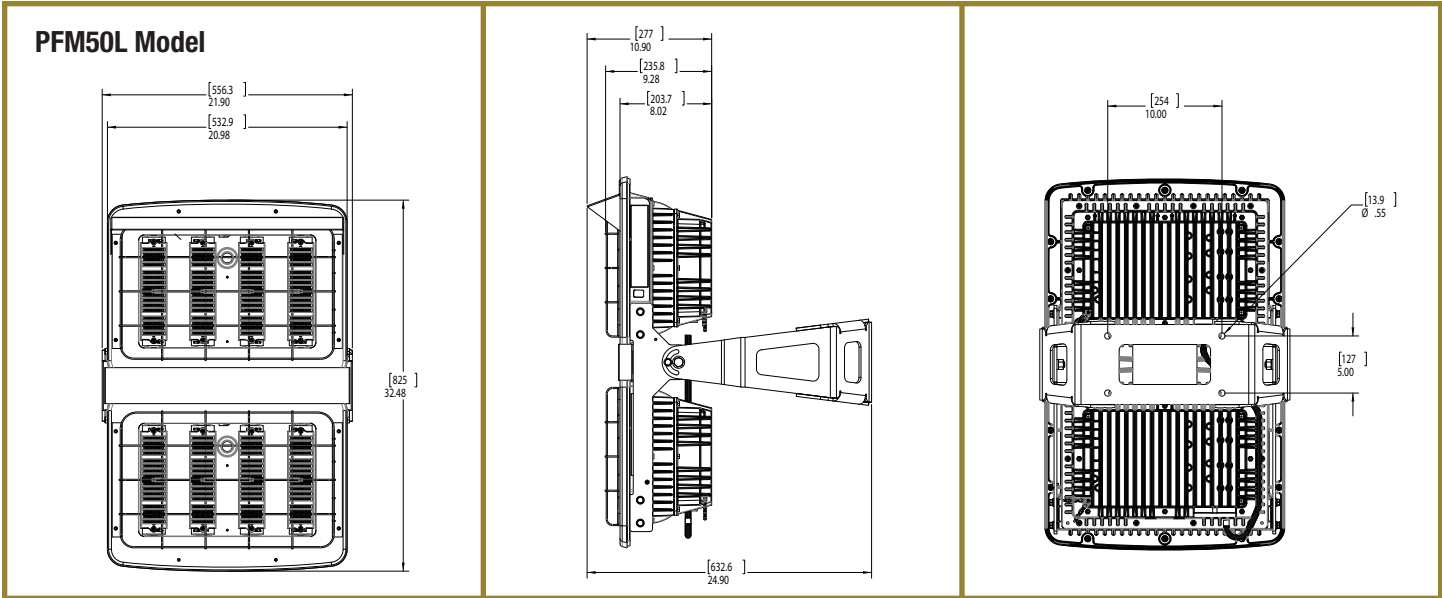
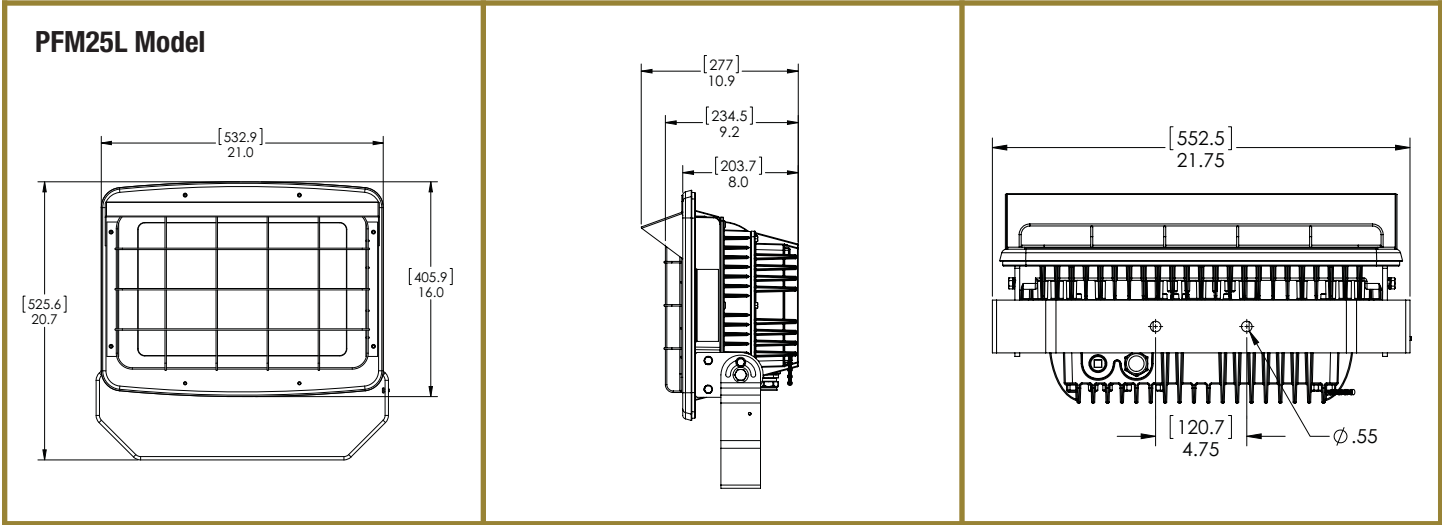
ORDERING INFORMATION

25L Series†*	50L Series
PFM25LCY/UNV1 76	PFM50LCY/UNV1 76

NOTE: Available in cool color temperature only. For 277-480 VAC option, replace /UNV1 with /UNV34.

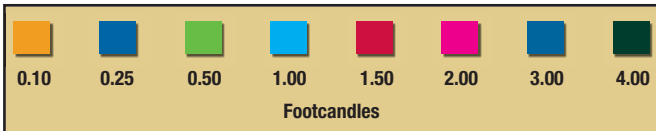
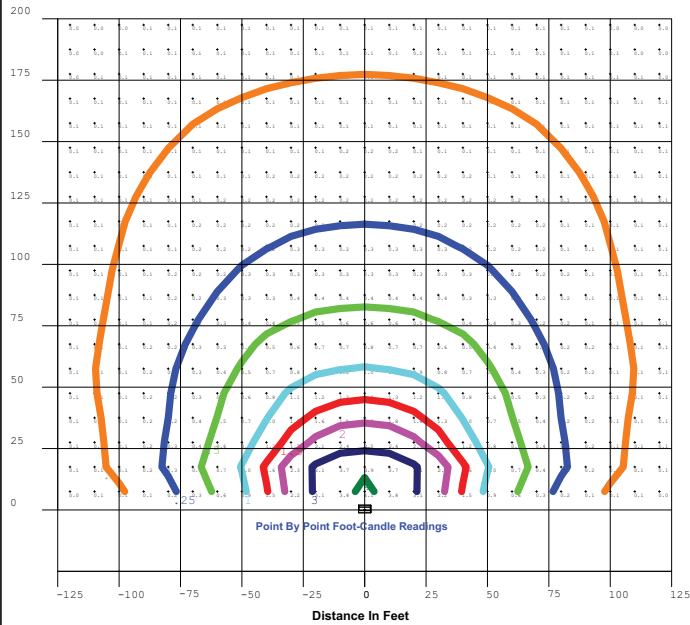
†Design Lights Consortium approved model at 120-277V.
*PFM25L is DLC approved with a 5 year limited warranty. Refer to page 2 of the D-0413 authorized distributor price book for Cooper Crouse-Hinds standard terms and conditions.

DIMENSIONS



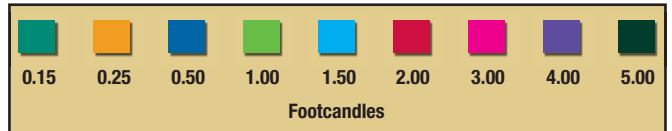
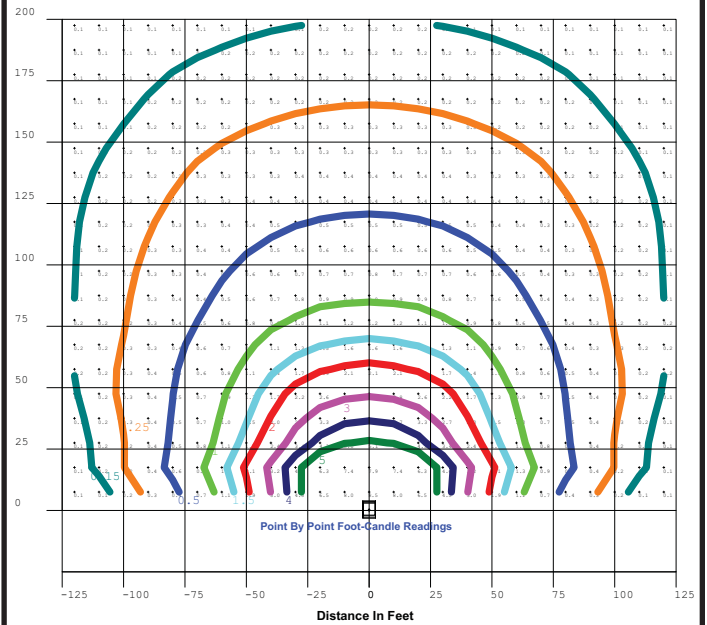
PHOTOMETRIC DATA

PFM25L @ 50 Ft. High



Luminaire Series	Wattage	Lumens
PFM25L	263	26,240

PFM50L @ 50 Ft. High



Luminaire Series	Wattage	Lumens
PFM50L	531	53,890



For more information:

If further assistance is required, please contact an authorized Cooper Crouse-Hinds Distributor, Sales Office, or Customer Service Department

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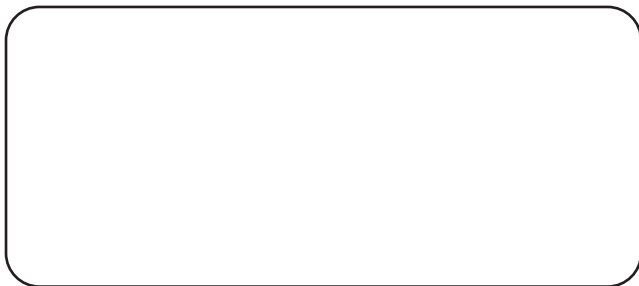
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For our complete portfolio of LED products,
please visit www.follow-the-LEDer.com



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