

Champ Pro PFM LED floodlights

Perfect for outdoor/indoor flood illumination

UL/cUL Listed
IEC
Type 4X, IP66

6L

The Champ Pro PFM LED family

Champ® Pro PFM LED floodlights are designed to provide full-spectrum, crisp, white light. Seven versions of the PFM LED are available, from 3,000 to 15,000 lumens, providing ideal solutions for a wide range of harsh and heavy industrial applications.

Model	Nominal lumens ^A	Watts	Lumens per watt	Equivalent HID luminaire	Energy savings
PFM3L	3,189	28	114	70W-100W	Up to 75% reduction in energy costs and 150,000 hours of continuous operation
PFM5L	5,183	45	115	100W-150W	
PFM7L	7,095	62	114	150W-175W	
PFM9L	9,132	79	116	175W-250W	
PFM11L	11,107	99	112	250W-400W	
PFM13L	13,100	112	117	400W	
PFM15L	15,181	131	116	450W+	



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, food and beverage facilities; mining; platforms; loading docks; tunnels; outdoor wall and pole mounted areas

Features:

- Instant illumination and restrike
- Better visibility with crisp, white light
- 0-10V dimming
- Cold temperature operation/no warm-up required
- Serviceable drivers
- Easy installation – yoke design to mount to SFA6
- Energy-efficient technology – up to 72% energy savings over HID fixtures
- 60,000 hours of rated life at 55°C – 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 65°C
- 5 year fixture warranty

Certifications and compliances:

- DesignLights Consortium® Qualified (some models are not DLC qualified)^B

NEC/CEC:

- Wet locations, Type 4X, IP66

UL standards:

- UL1598 – Luminaires; UL1598A – Marine; UL8750

CSA standard:

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

IEC standards:

- IEC 60598
- CE

Standard materials:

- Lamp housing and adapter – die cast aluminum with Corro-free epoxy powder coat
- Lens – heat- and impact-resistant glass (standard)
- Gaskets – silicone and neoprene
- External hardware – stainless steel

LED system:

- Cool white (5000K, 70 CRI) and warm white (3000K, 80 CRI)
- Custom designed optics – 7x6 standard; 3x3 (optional) (PFM3L-PFM11L only)

Photometrics:

- Complete photometrics can be found at www.crouse-hinds.com/photometrics

Effective projected area (EPA):

PFM3L-PFM15L	
Maximum EPA	1.50

Electrical ratings:

Model	Input power (watts)	Input amps at 120-277 VAC
PFM3L	28.0 - 29.1	0.24 - 0.11
PFM5L	45.4 - 45.8	0.38 - 0.18
PFM7L	61.8 - 62.5	0.52 - 0.24
PFM9L	78.8 - 80.3	0.66 - 0.31
PFM11L	98.8 - 99.9	0.83 - 0.37
PFM13L	111.8 - 112.4	0.94 - 0.42
PFM15L	131.4 - 131.5	1.10 - 0.48

PFM3L-PFM15L

UNV1 driver	100-277 VAC at 50/60 Hz; 108-250 VDC at 50/60 Hz
UNV34 driver	347-480 VAC at 50/60 Hz
Power factor	>0.90

^A Tolerance +/- 10%; at 120 VAC, 25°C ambient, 7x6 optics.

^B Approved models include: PFM3L/UNV1; PFM5L/UNV1; PFM7L/UNV1; PFM9L/UNV1; PFM11L/UNV1; PFM13L/UNV1; PFM3L/UNV34; PFM5L/UNV34; PFM7L/UNV34; PFM9L/UNV34; PFM11L/UNV34; PFM13L/UNV34. 7x6 optics on all approved models; 3x3 optics not DLC approved. Refer to www.designlights.org Qualified Products List under family models for full listing details. Not all models are approved for all application categories.

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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

Smaller and lighter

- 25% smaller footprint than previous model
- 10 lbs. (4.5 kg) less weight than previous model

Full-frame yoke

- Designed to utilize the SFA6 slipfitter and SWB6 wall mount bracket, making it ideal for retrofit or new installations



High lumen output

- Up to 117 lumens per watt
- Up to 72% energy savings over traditional HID fixtures (compared to 400W MH)



Multiple lens options

- Tempered clear glass lens standard
- Polycarbonate and diffused glass lens options available

Rugged heat sink

- Heat sink designed to perform and provide maximum light levels in high ambient temperatures up to +65°C and as low as -40°C
- Thick walled castings make for a tough, rugged housing that keeps the internal driver and LED temperature down

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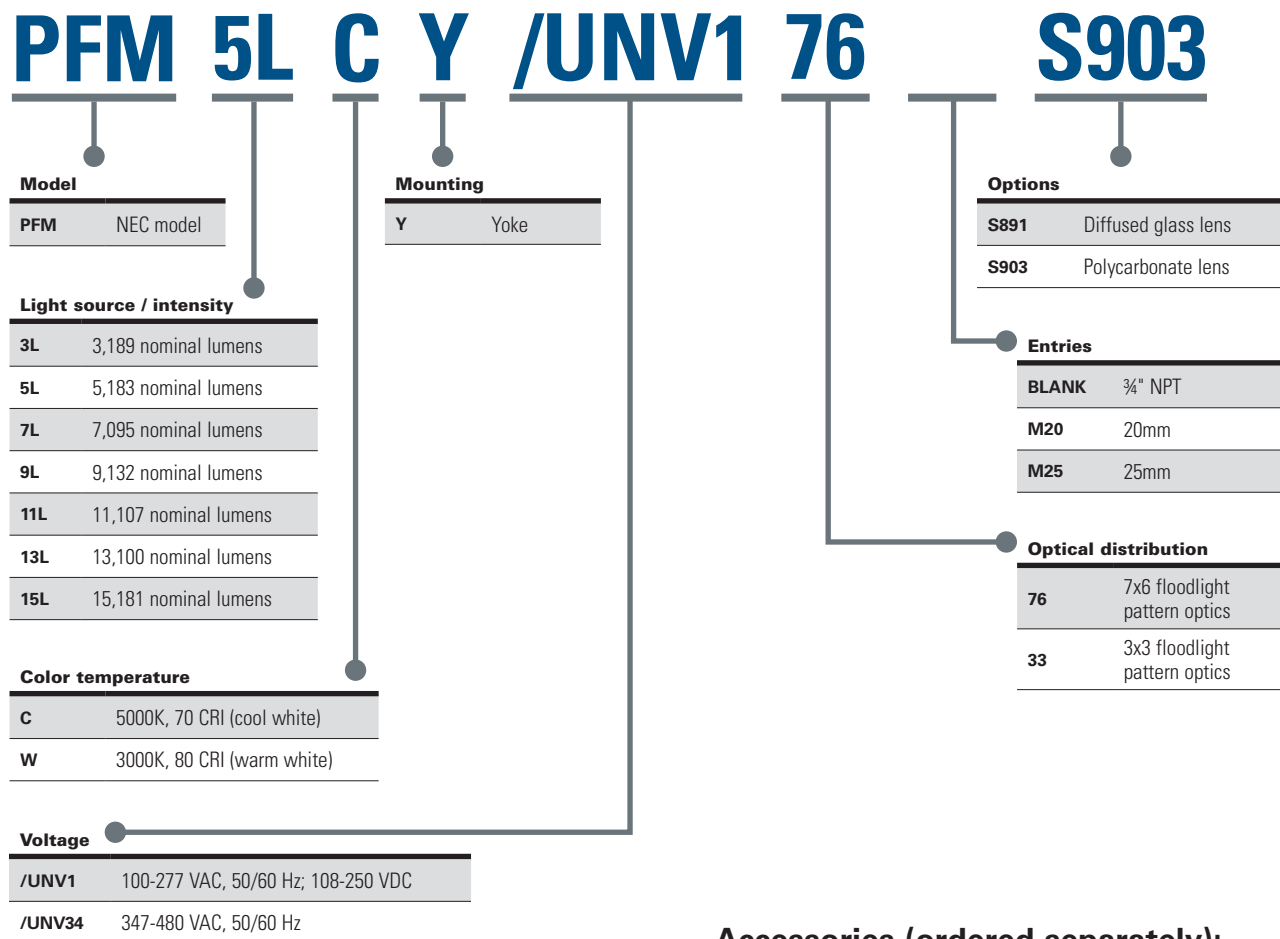
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Ordering information:

Part number example

PFM5LCY/UNV1 76 S903



Options:

Description	Suffix
• Diffused glass lens	S891
• Polycarbonate lens	S903

Accessories (ordered separately):

Description	Cat. #
• Bolt-on visor	DSV2
• Bolt-on wire guard	P62
• 316 stainless steel safety cable	SC831
Can be added in the field	
• Floodlight slipfitter	SFA6
• Slipfitter wall mount adapter	SWB6
• Slipfitter (bronze painted)	SFA6B
• Slipfitter wall mount adapter (bronze painted)	SWB6B
• Slipfitter (white painted)	SFA6W
• Slipfitter wall mount adapter (white painted)	SWB6W
• Bull horn, two tenon, gray	BLHN2
• Bull horn, two tenon, bronze	BLHN-BZ2
• Bull horn, two tenon, white	BLHN-WH2
• Bull horn, three tenon, gray	BLHN3
• Bull horn, three tenon, bronze	BLHN-BZ3
• Bull horn, three tenon, white	BLHN-WH3

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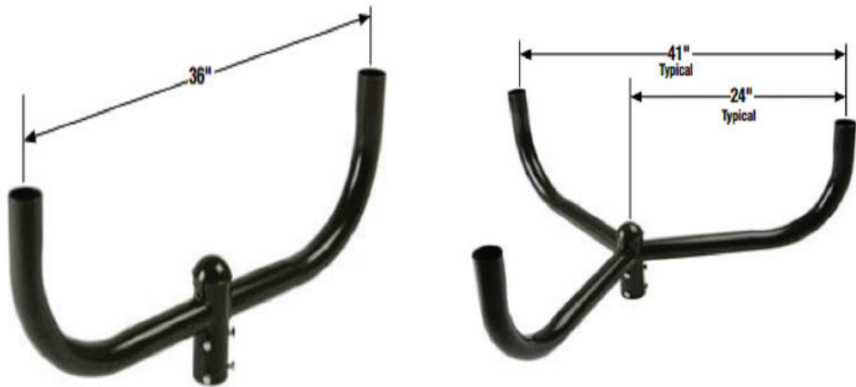
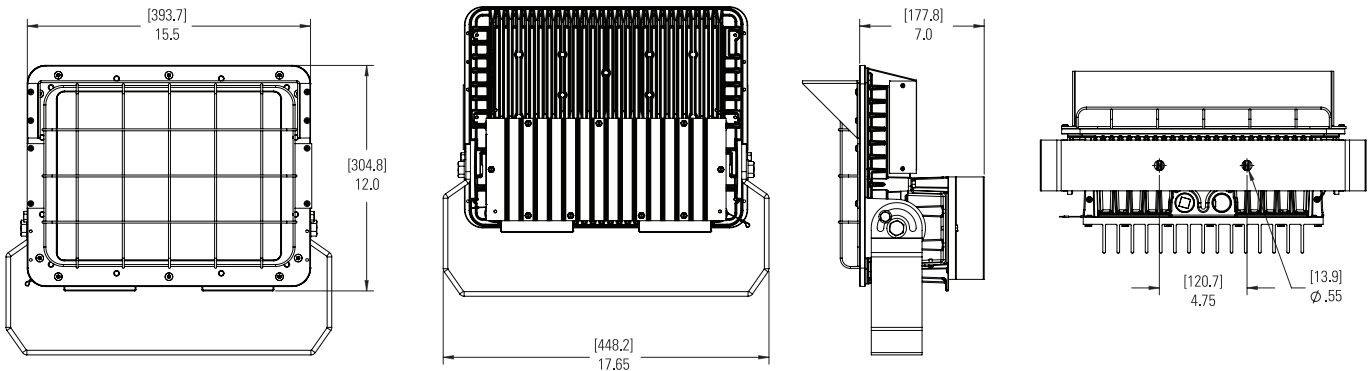
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Weights and dimensions:

Model	Lbs.	Kg.	Width		Height		Depth	
			in.	mm.	in.	mm.	in.	mm.
PFM3L-PFM7L	30.70	13.90	15.50	393.70	12.00	304.80	7.00	177.80
PFM9L-PFM15L	31.80	14.40	15.50	393.70	12.00	304.80	7.00	177.80



Bull horns – provided with 2 3/8" pole tenon

6L