

Champ Pro PFMA LED floodlights

Perfect for outdoor/indoor flood illumination

UL/cUL Listed
IEC
Type 4X; IP66

5L

The Champ Pro PFMA LED family

Champ® Pro PFMA LED floodlights are designed to provide full-spectrum, crisp, white light. Seven versions of the PFMA 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
PFMA3L	3,312	26	129	70W	Up to 75% reduction in energy costs and 150,000 hours of continuous operation
PFMA5L	5,381	40	133	100W	
PFMA7L	7,274	55	132	175W	
PFMA9L	9,479	67	142	250W	
PFMA11L	11,776	82	144	320W	
PFMA13L	13,362	93	143	400W	
PFMA15L	15,183	108	140	500W	

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
- Dimmable driver, 0-10V
- Better visibility with crisp, white light
- 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:

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^D:

- 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



Fixture life:

- Rated life of 60,000 hours at 55°C operating ambient and 24/7 continuous operation for 365 days
- Economic life of 150,000 hours at 25°C ambient

LED system:

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

Photometrics:

- Refer to 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 120-277 VAC
PFMA3L	25-26	0.27 - 0.10
PFMA5L	40-41	0.41 - 0.16
PFMA7L	54-56	0.56 - 0.21
PFMA9L	67-69	0.78 - 0.28
PFMA11L	81-84	0.84 - 0.30
PFMA13L	91-95	0.95 - 0.34
PFMA15L	107-113	1.12 - 0.40

PFMA3L-PFMA15L

Voltage range, VAC ^B	100-277V at 50/60 Hz 347-480V at 50/60 Hz
Voltage range, VDC	127-250V
Power factor	>0.90 ^C

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

^B IEC voltage; 100-240 VAC at 50/60 Hz; UNV34 option for PFMA9L-15L only.

^C For PFMA3L: PF >0.90 from 100-255 VAC.

^D Not applicable for 9L - 15L UNV34.

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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 144 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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Ordering information:

Part number example

PFMA7LCY-UNV1-76-M20-S891-BZ

PFMA 7L C Y - UNV1 - 76 - M20 - S891 - BZ

Light source / intensity

3L	3,312 nominal lumens ^E
5L	5,381 nominal lumens ^E
7L	7,274 nominal lumens ^E
9L	9,479 nominal lumens ^E
11L	11,776 nominal lumens ^E
13L	13,362 nominal lumens ^E
15L	15,183 nominal lumens ^E

Color temperature

C	5000K, 70 CRI (cool white)
W	3000K, 80 CRI (warm white)

Mounting

Y	Yoke
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Voltage

UNV1^F	100-277 VAC, 50/60 Hz; 127-250 VDC
UNV34^G	347-480 VAC, 50/60 Hz

Optical distribution

76	7x6 floodlight pattern optics
33	3x3 floodlight pattern optics

Entries

BLANK	3/4" NPT
M20	20mm
M25	25mm

Paint

BLANK	Gray
BZ	Bronze
WH	White

Lens material

BLANK	Clear glass lens
S891	Diffused glass lens
S903	Polycarbonate lens

5L

Options:

Description	Suffix
• Diffused glass lens	S891
• Polycarbonate lens	S903

Accessories (ordered separately):

Description	Cat. #
• Bull horn, gray.....	BLHN
• Bull horn, bronze.....	BLHN-BZ
• Bull horn, white	BLHN-WH
• Bolt-on visor.....	DSV2
• Bolt-on wire guard	P62
• 316 stainless steel safety cable	SC831
<i>Can be added in the field</i>	
• Floodlight slipfitter	SFA6
• Slipfitter wall mount adapter	SWB6

Replacement driver kits (ordered separately)

FMVA 3-5-7L UNV1 DRIVER KIT	Replacement driver kit for 3L, 5L and 7L models
FMVA 9-11-13L UNV1 DRIVER KIT	Replacement driver kit for 9L, 11L and 13L models
FMVA 15L UNV1 DRIVER KIT	Replacement driver kit for 15L model
FMVA 9L-11L UNV34 DRIVER KIT	Replacement driver kit for 9L and 11L models
FMVA 13L-15L UNV34 DRIVER KIT	Replacement driver kit for 13L and 15L models

^E 7x6 model.

^F IEC voltage; 100-240V at 50/60 Hz; 127-250 VDC.

^G Available for PFMA9L-15L only.

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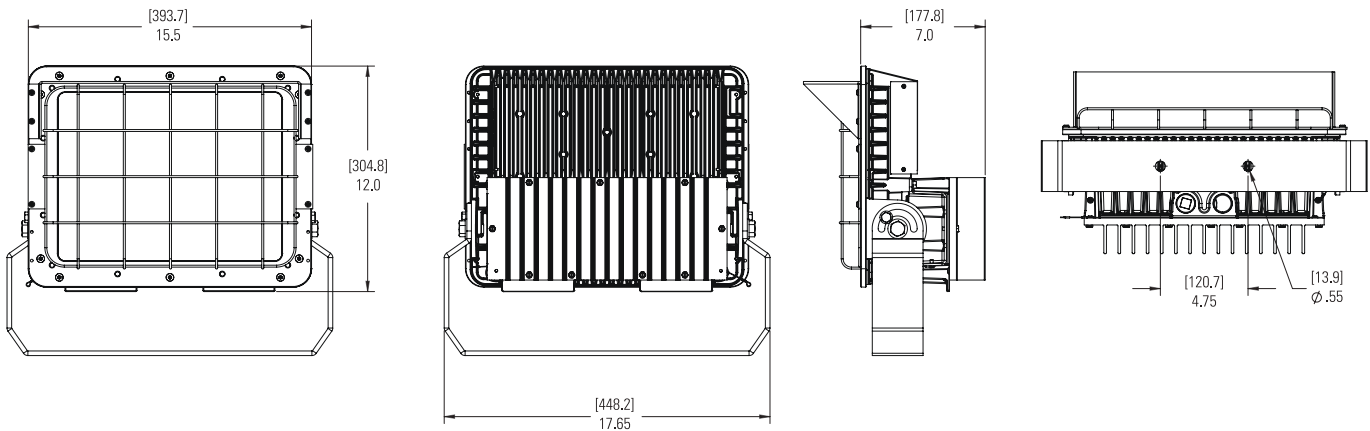
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Weights and dimensions:

Model	Lbs.	Kg.	Width		Height		Depth	
			in.	mm.	in.	mm.	in.	mm.
PFMA3L-PFMA15L	32.00	14.50	15.50	393.70	12.00	304.80	7.00	177.80



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