

LED lighting for hazardous rated areas

CROUSE-HINDS
SERIES

Champ FMVA

LED FLOODLIGHTING for hazardous areas



Safe. Reliable. Efficient.
9,000 to 25,000 lumens

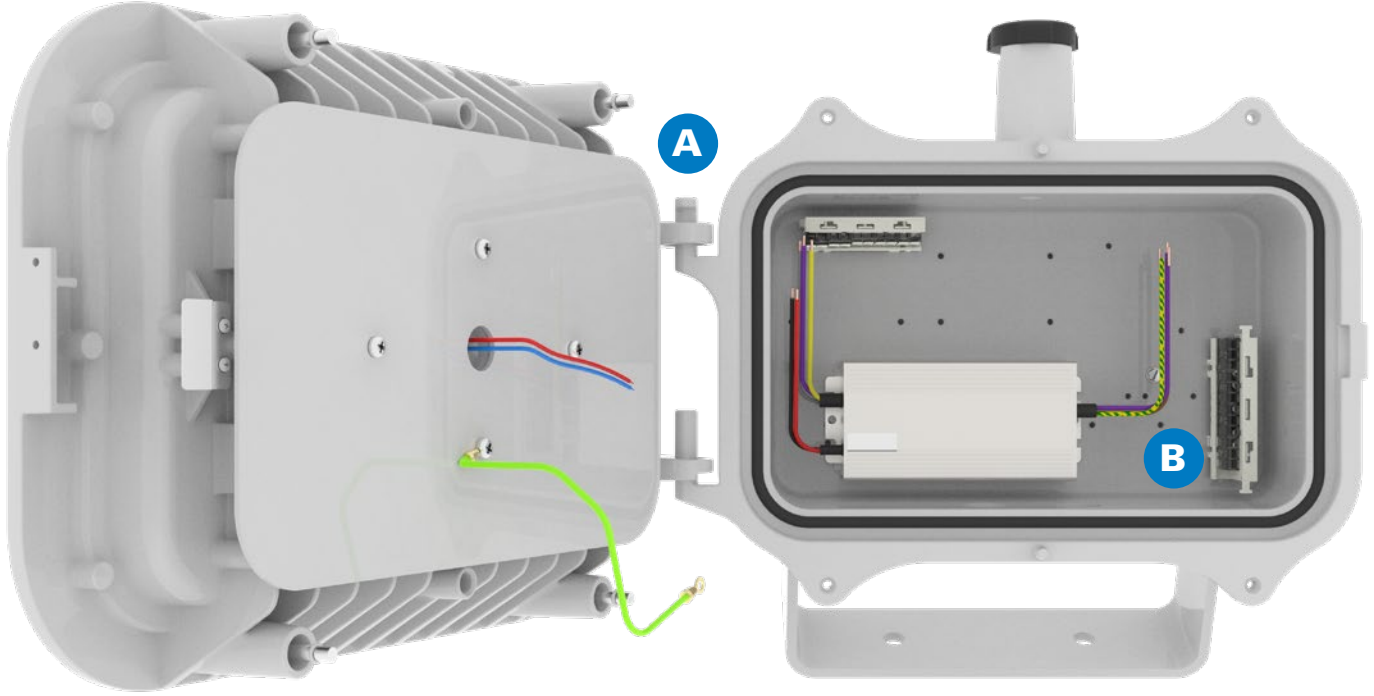


Powering Business Worldwide

Design features

Our Champ LED floodlight is a field-proven design that helps ensure safety, reliability and performance in harsh and hazardous rated areas. Champ products are engineered to deliver more operational value and better total cost of ownership.

INSTALLATION EASE

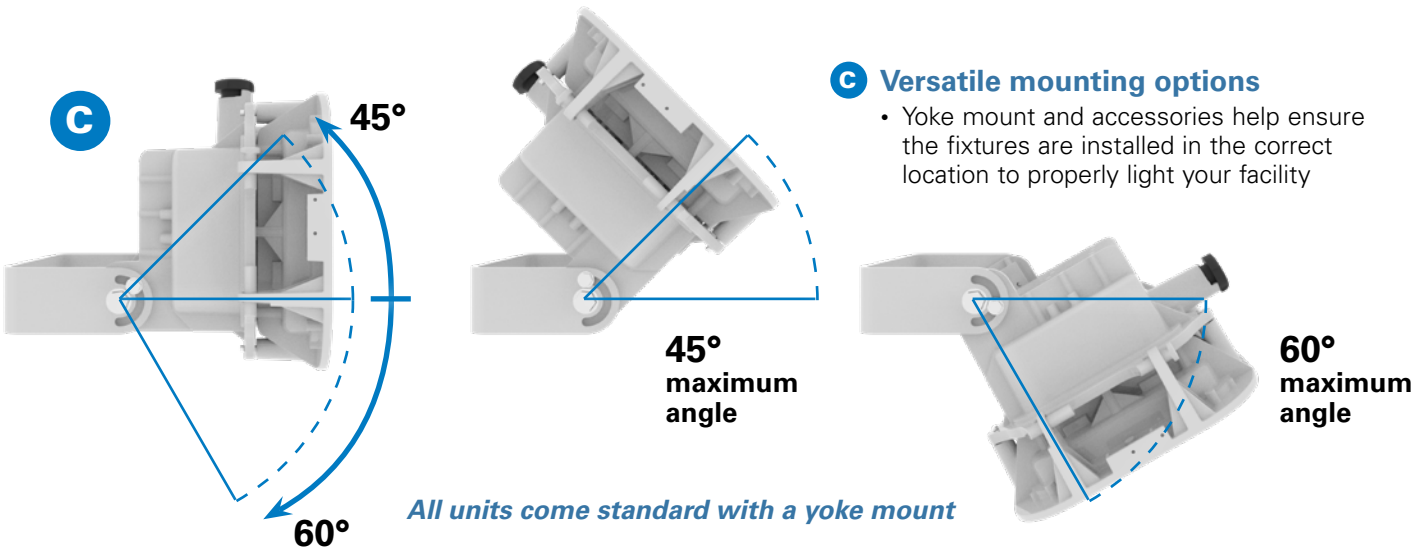
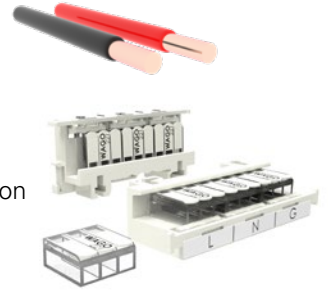


A Light weight & serviceable

- Driver and light engine subassembly are field replaceable for extended life even beyond the warranty
- Removable cover for LED engine and hinged driver compartment enables faster installation, access to wiring and field maintenance
- 22% weight reduction from previous generation Champ floodlight models

B Now supports up to 10 AWG wire for easier, less costly retrofits!

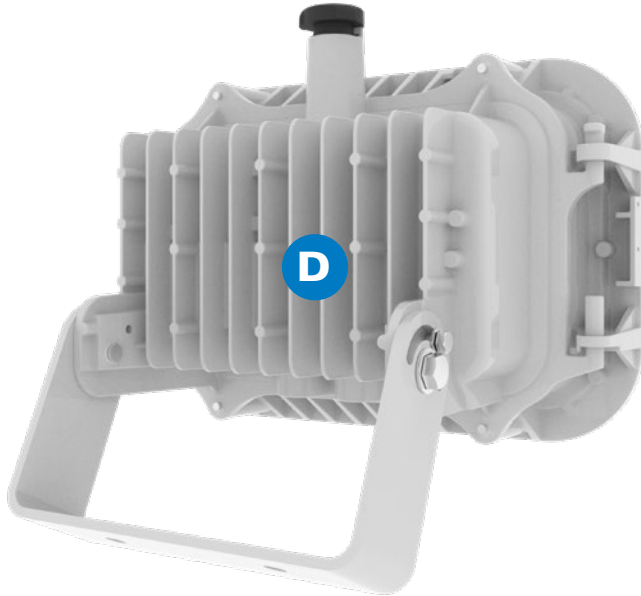
- Customers with 10 AWG wire already running through their facility from older, higher power HID fixtures can reuse the same wiring
- Plug and play wiring helps speed installation



RELIABLE PERFORMANCE

D Thermal management

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



E Performance in extreme environments

- Operating ambient -40°C to 65°C
- Type 4X, IP66/IP67
- 6kV surge protection
- Corrosion resistant aluminum housing with Corro-free™ epoxy powder coating
- Vibration tested in accordance with Section 33 of UL844
- Impact tested in accordance with IEC/EN/UL/CSA 60079-0 Section 26.4.2



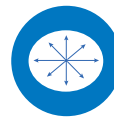
OPTIMIZED LIGHT & QUALITY

F Custom optics & 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
- 2200K–DEEP WARM, 3000K–WARM, 4000K–NEUTRAL and 5000K–COOL color options available



NEMA 4x4
Narrow uniform
pattern for use at
larger distances



NEMA 7X6
Wide flood
distribution provides
a large and uniform
light pattern



5000K – COOL
Crisp, bright white
with a blue hue



3000K – WARM
Soft, warm white
with a yellow hue

G Multiple lens & epoxy powder coat options

- Clear glass lens (standard)
- Diffused glass and clear polycarbonate lenses optional
- Corro-free epoxy powder coat available in gray



H Visor option available for dark sky readiness



Specifications

Applications:

- For general area illumination of locations with mounting heights from 15 to 30 feet
- Locations requiring continuous and consistent light levels where extremely corrosive, wet, dusty, hot and/or cold conditions exist
- IP66/IP67, Type 4X, marine, wet locations and hose-down environments
- Oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, platforms, loading docks, tunnels



NEC and CEC:

- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2, IIC
- Class II, Division 1 Groups E, F and G
- Class II, Zone 21
- Marine and wet locations, Type 4X, IP66/67
- Class I, Zone 2, AEx ec IIC T* Gc, Class I Zone 2, Ex ec IIC T* Gc X Tamb -40°C - +40°C , +55°C, +65°C
- Class II Zone 21, AEx tb IIIC T**°C Db; Class II Zone 21, Ex tb IIIC T**°C Db X Tamb -40°C - +40°C , +55°C, +65°C

IECEX & ATEX:

- IECEX ETL 25.0055X
- ETL25ATEX0623X
- ETL25ATEX0624X
- II 3 G Ex ec IIC T* Gc Tamb -40° - +40°C , +55°C, +65°C
- Ex ec IIC T* Gc Tamb -40°C - +40°C , +55°C, +65°C
- II 2 D Ex tb IIIC T**°C Db Tamb -40°C - +40°C , +55°C, +65°C
- Ex tb IIIC T**°C Db Tamb -40°C - +40°C , +55°C, +65°C
- 2903
- IP66/67

‡UNV3 models are suitable for Class and Division applications only

*Please see page 7 for applicable T-codes.

Qualifications:

- DesignLights Consortium® Qualified*

*Refer to www.designlights.org Qualified Products List under family models for full listing details. Not all models are approved for all application categories.

UL standards:

- UL 844 Hazardous (Classified), UL1598 Luminaires, UL1598A Marine, UL8750, UL50, UL50E
- UL 60079-0
- UL 60079-7
- UL 60079-31

IEC/EN standards:

- IEC 60079-0
- IEC 60079-7
- IEC 60079-31
- EN 60079-0
- EN 60079-7
- EN 60079-31
- IEC 60598-1/EN60598-1
- IEC 60598-2/EN60598-2

CSA standards:

- CSA C22.2 NO. 137 – The Standard for Electric Luminaires for Use in Hazardous Locations
- CSA C22.2 NO. 250.0 – The Standard for Luminaires
- CSA C22.2 NO. 250.13
- CSA C22.2 No. 60079-0
- CSA C22.2 No. 60079-7
- CSA C22.2 No. 60079-31
- CSA C22.2 No. 94.1
- CSA C22.2 No. 94.2

FCC:

- CAN ICES-005 (A) / NMB-005 (A)

Electrical ratings:

Model	Weight lbs. (kg.)	Nominal lumens	Efficacy† lm/W	Wattage	Voltage	Amps	Power Factor	THD	Surge protection
FMVA-9-UNV1	24.92 (11.30)	9,261	162	58.12	100-277 VAC, 50/60 Hz	0.59 - 0.22	0.90	≤ 20%	6kV
FMVA-11-UNV1	24.92 (11.30)	11,602	158	77.35	100-277 VAC, 50/60 Hz	0.79 - 0.28	0.90	≤ 20%	6kV
FMVA-13-UNV1	24.92 (11.30)	13,581	154	89.60	100-277 VAC, 50/60 Hz	0.91 - 0.32	0.90	≤ 20%	6kV
FMVA-15-UNV1	24.92 (11.30)	15,845	154	106.78	100-277 VAC, 50/60 Hz	1.07 - 0.38	0.90	≤ 20%	6kV
FMVA-20-UNV1	24.95 (11.32)	20735	145	143	100-277 VAC, 50/60 Hz	1.58-0.51	0.99	≤ 20%	6kV (ANSI C136.2)
FMVA-25-UNV1	24.95 (11.32)	25296	130	194	100-277 VAC, 50/60 Hz	2.16-0.64	0.99	≤ 20%	6kV (ANSI C136.2)
FMVA-9-UNV3	24.95 (11.32)	9,261	162	58.34	347-480 VAC, 50/60 Hz	0.17 - 0.12	0.90	≤ 20%	6kV
FMVA-11-UNV3	24.95 (11.32)	11,602	158	75.01	347-480 VAC, 50/60 Hz	0.22 - 0.16	0.90	≤ 20%	6kV
FMVA-13-UNV3	24.95 (11.32)	13,581	154	90.38	347-480 VAC, 50/60 Hz	0.26 - 0.19	0.90	≤ 20%	6kV
FMVA-15-UNV3	24.95 (11.32)	15,845	154	105.38	347-480 VAC, 50/60 Hz	0.30 - 0.22	0.90	≤ 20%	6kV
FMVA-20-UNV3	24.95 (11.32)	20735	155	134	347-480 VAC, 50/60 Hz	0.54-0.26	0.99	≤ 20%	6kV
FMVA-25-UNV3	25.95 (11.77)	25296	139	182	347-480 VAC, 50/60 Hz	0.73-0.36	0.99	≤ 20%	6kV

†Consult IES files for exact performance data.

Specifications

LED system:

- High intensity discrete power emitters
- Standard: cool white (5000K, 70 CRI);
- Available options: deep warm (2200K, 70 CRI), warm white (3000K, 80 CRI) or neutral white (4000K, 80 CRI)
- Dimmable driver, 0-10v
- NEMA 7x6 or 4x4 optical patterns available
- Rated life of 60,000 hours continuous operation at 55°C operating ambient temperature

Standard materials:

- Lamp housing - die cast aluminum with Corro-free™ epoxy powder coat
- Lens - heat and impact-resistant glass or polycarbonate
- Gaskets - silicone
- External hardware - 316 stainless steel
- Factory-sealed, no external seals required

Ordering information

Champ FMVA LED, 9,000 lumens, 3000K warm white, yoke mount, diffused glass lens, visor, 100-277 VAC driver, gray epoxy powder coat paint

Part number example: **FMVA-9-W-76-M20-DG-V-UNV1-M2**

FMVA - 9 - W - 76 - M20 - DG - V - UNV1 - - M2

Light source/intensity

9	9,261 nominal lumens
11	11,602 nominal lumens
13	13,581 nominal lumens
15	15,845 nominal lumens
20	20,735 nominal lumens
25	25,296 nominal lumens

Color temperature

BLANK	5000K, 70 CRI (<i>cool white</i>)
N††	4000K, 80 CRI (<i>neutral white</i>)
W	3000K, 80 CRI (<i>warm white</i>)
22††	2200K, 70 CRI (<i>deep warm</i>)

†† Consult customer service for lead time. Not available in 20 and 25L.

Beam pattern

76	NEMA 7x6
44††	NEMA 4x4

†† Consult customer service for lead time.

Lens material

BLANK	Clear glass
DG	Diffused glass
PC††	Clear polycarbonate

†† Consult customer service for lead time. Not available in 20L and 25L.

Entries

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

Voltage

UNV1	100-277 VAC, 50/60 Hz
UNV3	347-480 VAC, 50/60 Hz

Epoxy powder coat

BLANK	Gray
--------------	------

Accessories

Blank	No accessories
G	Bolt-on wireguard (P63)
V	Standard visor (DSV5)
GV	Bolt-on wireguard (P63) & standard visor (DSV5)

Replacement light engine ordering information

Replacement light engine ordering information: **FMVA-W-76-DG-V-ML-LED-KIT#**

FMVA - W - 76 - DG - V - ML-LED-KIT

Color temperature

BLANK	5000K, 70 CRI (<i>cool white</i>)
N††	4000K, 80 CRI (<i>neutral white</i>)
W	3000K, 80 CRI (<i>warm white</i>)
22††	2200K, 70 CRI (<i>deep warm</i>)

†† Consult customer service for lead time. Not available in 20L and 25L.

Beam pattern

76	NEMA 7x6
44††	NEMA 4x4

†† Consult customer service for lead time.

Lens material

BLANK	Clear glass
DG	Diffused glass
PC††	Clear polycarbonate

†† Consult customer service for lead time. Not available in 20L and 25L.

Accessories

Blank	No accessories
G	Bolt-on wireguard (P63)
V	Standard visor (DSV5)
GV	Bolt-on wireguard (P63) & standard visor (DSV5)

LED Kit

ML-LED-KIT	For 9-15L Models
HL-LED-KIT	For 20-25L Models

The model information shown on the kit nameplate takes precedence over the details on the luminaire nameplate regarding LED subassembly features such as Lens type, secondary optics, CCT, and guard/visor. LED light engine kits shall be used with ETL (Intertek) listed Crouse-Hinds hazardous locations luminaires, catalog numbers beginning with FMVA and must end with the M2 suffix.

Accessories and replacement driver kits

Accessories (ordered separately)

BLHN2	Bull horn, 2 tenon, gray
BLHN3	Bull horn, 3 tenon, gray
P63	Bolt-on wireguard
DSV5	Standard visor
SC831	Safety cable
SFA6	Slip fitter
SWB6	Slip fitter wall mount adapter

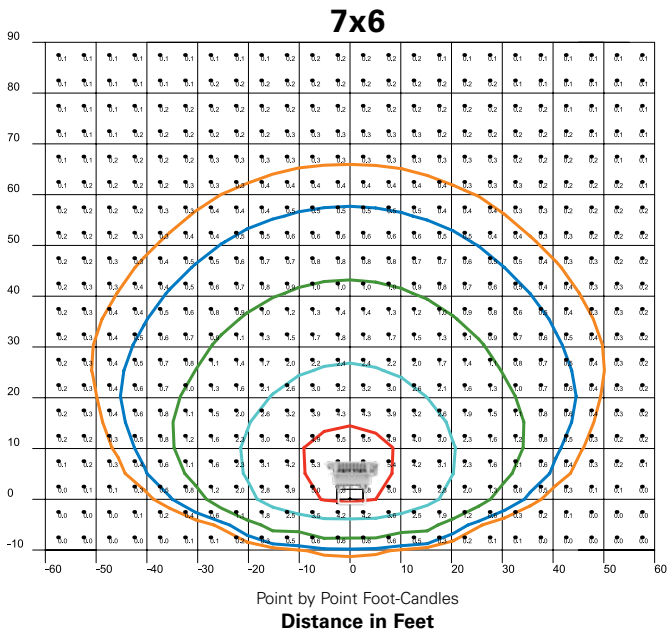


Replacement driver kits (ordered separately)

FMVA-9-UNV1-M2-DRIVER KIT	UNV1 M2 replacement driver kit for PFMA/FMVA-9
FMVA-11-UNV1-M2-DRIVER KIT	UNV1 M2 replacement driver kit for PFMA/FMVA-11
FMVA-13-UNV1-M2-DRIVER KIT	UNV1 M2 replacement driver kit for PFMA/FMVA-13
FMVA-15-UNV1-M2-DRIVER KIT	UNV1 M2 replacement driver kit for PFMA/FMVA-15
FMVA-20-UNV1-M2-DRIVER KIT	UNV1 M2 replacement driver kit for PFMA/FMVA-20
FMVA-25-UNV1-M2-DRIVER KIT	UNV1 M2 replacement driver kit for PFMA/FMVA-25
FMVA-9-UNV3-M2-DRIVER KIT	UNV3 M2 replacement driver kit for PFMA/FMVA-9
FMVA-11-UNV3-M2-DRIVER KIT	UNV3 M2 replacement driver kit for PFMA/FMVA-11
FMVA-13-UNV3-M2-DRIVER KIT	UNV3 M2 replacement driver kit for PFMA/FMVA-13
FMVA-15-UNV3-M2-DRIVER KIT	UNV3 M2 replacement driver kit for PFMA/FMVA-15
FMVA-20-UNV3-M2-DRIVER KIT	UNV3 M2 replacement driver kit for PFMA/FMVA-20
FMVA-25-UNV3-M2-DRIVER KIT	UNV3 M2 replacement driver kit for PFMA/FMVA-25

Photometrics

For IES photometric files – please refer to the resource tab of the [FMVA LED product page](#) on Eaton.com



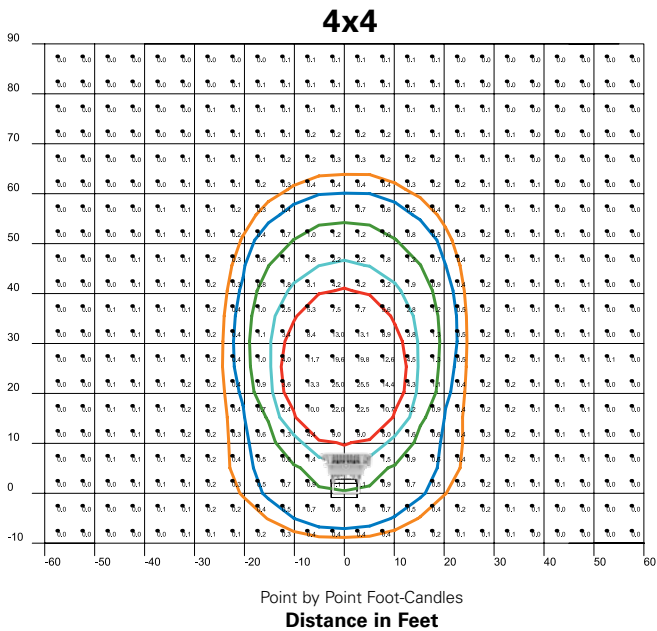
7x6 optics

FMVA-15 Height: 25 ft.; Tilt angle: 45°

Illuminance (Fc)	
Average	0.82
Minimum	0.00
Maximum	6.10

Mounting height – 25 ft.
Tilt – 45°

PFMA-15 fixture with UNV1 driver and clear glass lens



4x4 optics

FMVA-15 Height: 25 ft.; Tilt angle: 45°

Illuminance (Fc)	
Average	0.95
Minimum	0.00
Maximum	25.5

Mounting height – 25 ft.
Tilt – 45°

PFMA-15 fixture with UNV1 driver and clear glass lens



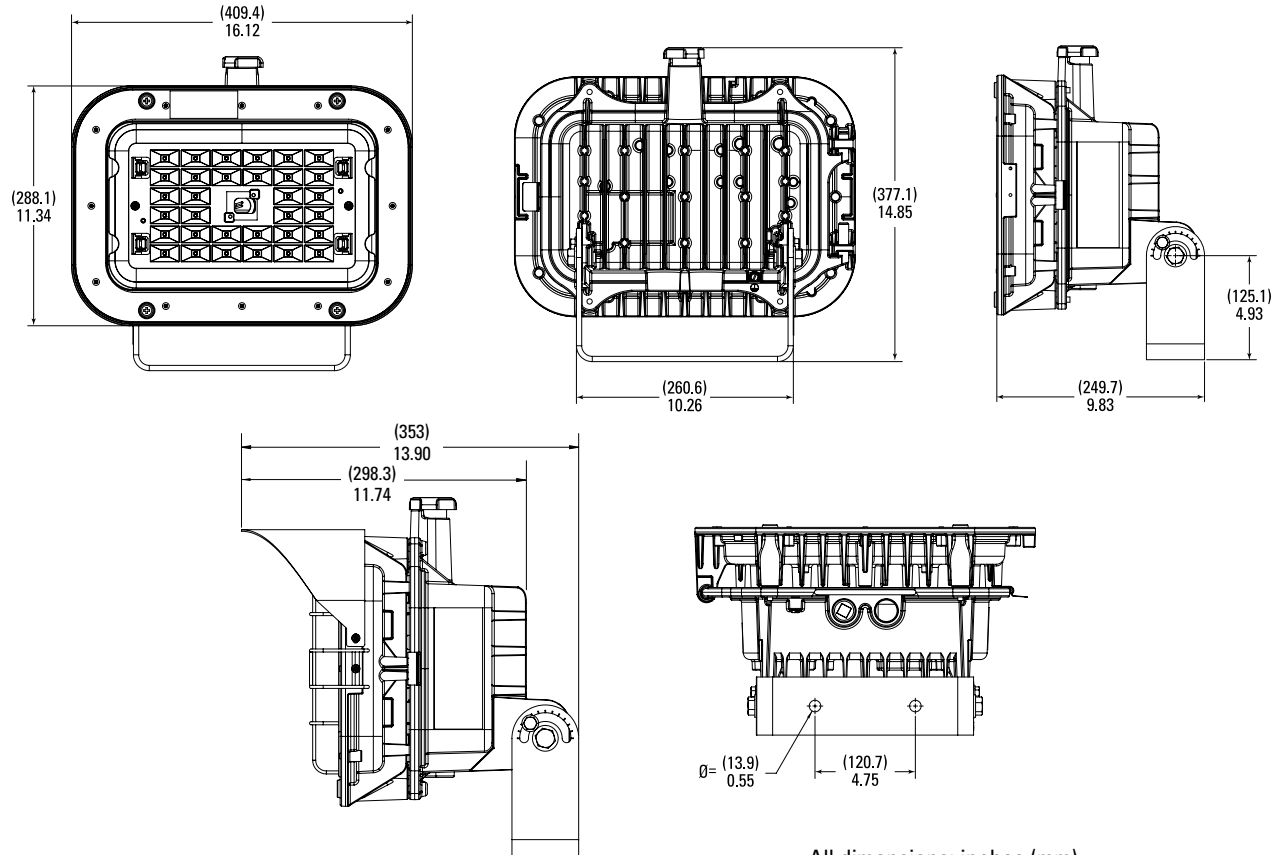
Specifications

Temperature codes:

Model	Ambient temperature	Class I, Div. 2; Class I, Zone 2	Class II, Div. 1; Zone 21	Simultaneous rating Class I, Div. 2, Class II, Div. 1	Class I, Zone 2, AEx ec; Ex ec IIC Gc	Class II, Zone 21, AEx tb; Ex tb IIIC Db, Zone 21 Ex tb IIIC	Zone 2, Ex ec IIC	Minimum supply wire temperature
FMVA9L-FMVA11L (UNV1)	40°C	T6	T4A	T4A	T6	T130°C	T6	90°C
	55°C	T5	T4	T4	T5	T130°C	T5	90°C
	65°C	T4A	T3C	T3C	T4	T140°C	T4	90°C
FMVA13L-FMVA15L (UNV1)	40°C	T6	T4A	T4A	T6	T130°C	T6	90°C
	55°C	T5	T4	T4	T5	T130°C	T5	90°C
	65°C	T4A	T3C	T3C	T4	T140°C	T4	90°C
FMVA20L-FMVA25L (UNV1)	40°C	T4A	T4A	T4A	T4	T110°C	T4	90°C
	55°C	T4A	—	—	T4	T125°C	T4	90°C
	60°C	T4A	—	—	T4	T130°C	T4	90°C
FMVA9L-FMVA11L (UNV3)	40°C	T6	T4A	T4A	—	—	—	90°C
	55°C	T5	T4	T4	—	—	—	90°C
	65°C	T4A	T3C	T3C	—	—	—	90°C
FMVA13L-FMVA15L (UNV3)	40°C	T6	T4A	T4A	—	—	—	90°C
	55°C	T5	T4	T4	—	—	—	90°C
	65°C	T4A	T3C	T3C	—	—	—	90°C
FMVA20L-FMVA25L (UNV3)	40°C	T4A	T4A	T4A	—	—	—	90°C
	55°C	T4A	—	—	—	—	—	90°C
	60°C	T4A	—	—	—	—	—	90°C

Note: The minimum low ambient temperature for all models is -40°C.

Dimensions: Fixture with standard yoke mount



All dimensions: inches (mm)

Mounting method	Angle range	Mounting surface
Yoke (standard)	+45° to -60°	Wall, Ceiling, Horizontal Surface/Ground

Additional Champ LED lighting solutions

Champ VMVL & PVML LED lighting



Safe. Reliable. Efficient.
3,000 to 25,000 lumens

Champ FMVA & PFMA LED floodlights



Safe. Reliable. Efficient.
3,000 to 50,000 lumens

U.S. (global headquarters): Eaton's Crouse-Hinds business

1201 Wolf Street
Syracuse, NY 13208

(866) 764-5454
FAX: (315) 477-5179
FAX Orders Only:
(866) 653-0640

crousecustomerctr@eaton.com

Eaton's B-Line business

509 West Monroe Street
Highland, IL 62249

800-851-7415
FAX: 618-654-1917
Eaton.com/b-lineseries

IEC Electrical (CEAG products)

49 (0) 6271 806-500
FAX: 49 (0) 6271 806-476

Info-ex@eaton.com

Airport Lighting

866-764-5454
CrouseCustomerCTR@eaton.com

Mexico/Latin America/Caribbean

52-555-804-4000
FAX: 52-555-804-4020
ventascentromex@eaton.com

Haz Area Communications (MEDC, Hernis, Oxalis, FHF Sonix)

44 (0) 1623 444400
FAX: 44 (0) 1623 444531

MEDCadmin@eaton.com

Canada

Toll Free: 800-265-0502
FAX: (800) 263-9504
FAX Orders only: (866) 653-0645

China

86-21-2899-3600
FAX: 86-21-2899-4055
echsales@eaton.com

Process instrumentation (MTL products)

44 (0) 1582 723633
FAX: 44 (0) 1582 422283

mtlenquiry@eaton.com

Eaton Middle East

9714-8066100
FAX: 9714-8894813
CHBL-ME@eaton.com

Australia

61-2-8787-2777
FAX: 61-2-9609-2342
crousehindsanz@eaton.com

For more information:

If further assistance is required, please contact an authorized Eaton Distributor, Sales Office, or Customer Service Department.

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

© 2026 Eaton
All Rights Reserved
Printed in USA
Publication No. BR403017EN
May 2026

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Follow us on social media to get the latest product and support information.

