

Champ FMVA LED floodlights

3,000 to 7,000 lumens

Cl. I, Div. 2, Groups A, B, C, D
Cl. II, Div. 1, Groups E, F, G
Cl. III & Simultaneous Presence

Marine & Wet Locations
Type 4X; IP66

5L

Applications:

- For general area illumination of locations with mounting heights from 9-15 feet
- Locations requiring continuous and consistent light levels in extreme ambient temperatures
- Extremely corrosive, wet, dusty, hot and/or cold conditions
- IP66, Type 4X, marine, wet locations and hose down environments
- Classified and hazardous locations
- Oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, platforms, loading docks, tunnels, outdoor wall and stanchion mounted general area lighting

Certifications and compliances:

NEC/CEC:

- Class I, Division 2, Groups A, B, C, D
- Class II, Division 1, Groups E, F, G
- Class III & Simultaneous Presence
- Marine and wet locations, Type 4X, IP66
- ABS

UL standards:

- UL844
- UL1598
- UL1598A
- UL8750

CSA standard:

- C22.2 No. 137

FCC part 15/ICES-005 ver. 5:

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

Standard materials:

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

Electrical ratings:

Model	Weight lbs. (kg.)	Nominal lumens	Efficacy	Wattage	Voltage	Amps	Power factor	THD	Surge protection
FMVA-3-UNV1	14.70 (6.67)	3,400	111 lm/W	30.7	120-277 VAC, 50/60 Hz; 125-250 VDC	0.26	0.90	≤ 20%	6kV
FMVA-5-UNV1	14.70 (6.67)	5,200	116 lm/W	44.9	120-277 VAC, 50/60 Hz; 125-250 VDC	0.37	0.90	≤ 20%	6kV
FMVA-7-UNV1	14.70 (6.67)	6,800	115 lm/W	59.1	120-277 VAC, 50/60 Hz; 125-250 VDC	0.50	0.90	≤ 20%	6kV
FMVA-3-UNV3	14.70 (6.67)	3,400	111 lm/W	30.3	347-480 VAC, 50/60 Hz	0.09	0.90	≤ 20%	6kV
FMVA-5-UNV3	14.70 (6.67)	5,200	116 lm/W	43.7	347-480 VAC, 50/60 Hz	0.13	0.90	≤ 20%	6kV
FMVA-7-UNV3	14.70 (6.67)	6,800	115 lm/W	56.2	347-480 VAC, 50/60 Hz	0.16	0.90	≤ 20%	6kV



LED system:

- High intensity discrete power emitters
- Cool white (5000K, 70 CRI) standard; warm white (3000K, 80 CRI) or neutral white (4000K, 70 CRI) (optional)
- NEMA 6x6 optical pattern
- Dimmable driver 0-10V

Photometrics:

- Refer to www.eaton.com (under the Resources tab of each product family) for specific photometric IES files

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Design features:

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

INSTALLATION EASE

A Easy access

- Removable covers for LED engine and driver compartments enable faster installation, access to wiring and field maintenance

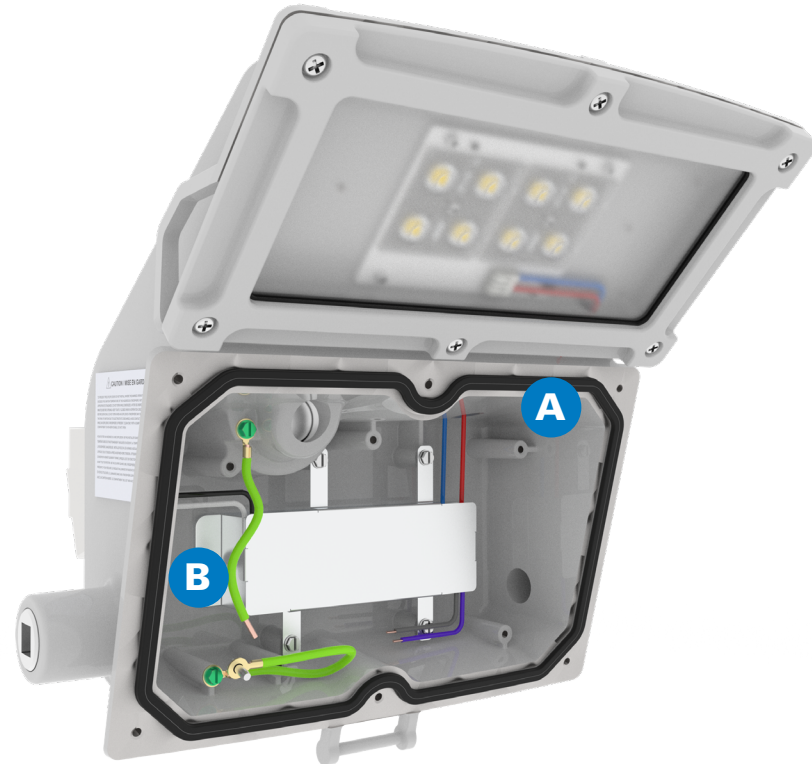
B Lever lock connectors and terminal blocks

- Plug and play wiring simplifies and speeds installations

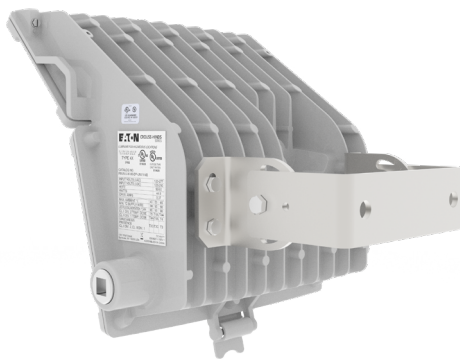


C Versatile mounting options

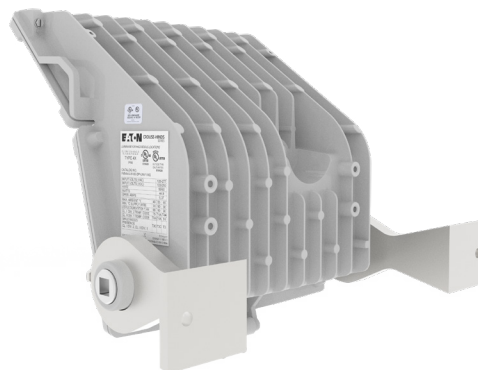
- Standard yoke mount and optional wall and hub mounts help ensure that the fixtures are installed in the correct location to properly light your facility



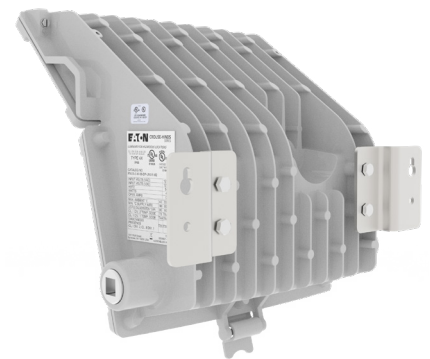
C



Yoke mount
(standard)



Hub mount



Wall mount

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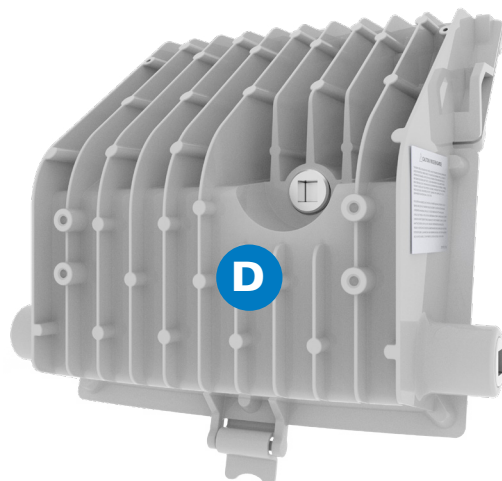
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LONG-LIFE RELIABILITY

D Thermal management

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



E Performance in extreme environments

- Operating ambient: -40°C to 65°C
- Type 4X, IP66
- 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 Section 68 of UL844



LIGHT PERFORMANCE & 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
- 3000K (warm), 4000K (neutral) and 5000K (cool) color options available



NEMA 6x6

Large circular distribution pattern for indoor and outdoor area lighting



5000K – cool

Crisp, bright white with a blue hue



3000K – warm

Warm white with a yellow hue

G Multiple lens & epoxy powder coat options

- Clear glass lens standard; diffused glass and clear or diffused polycarbonate lenses (optional)
- Corro-free epoxy powder coat available in gray (standard) or white and bronze (optional)



White



Gray



Bronze

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Ordering information:

Part number example

FMVA-3-W-T-66-DP-GV-UNV1-WH-PC2-M2

FMVA - 3 - W - T - 66 - DP - GV - UNV1 - WH - PC2 - M2

Light source / intensity

3L	3,400 nominal lumens
5L	5,200 nominal lumens
7L	6,800 nominal lumens

Color temperature

BLANK	5000K, 70 CRI (cool white)
N ^A	4000K, 70 CRI (neutral white)
W	3000K, 80 CRI (warm white)

Mounting

BLANK	Yoke mount
H	Hub mount
T	Wall mount

Optics

66	6x6 beam spread
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Lens material

BLANK	Clear glass
DG	Diffused glass
PC	Polycarbonate
DP	Diffused polycarbonate

Guard and visor

BLANK	None
G	Bolt-on wire guard
V	Visor
GV	Bolt-on wire guard & visor

Voltage

UNV1	120-277 VAC, 50/60 Hz; 125-250 VDC
UNV3	347-480 VAC, 50/60 Hz

Paint

BLANK	Gray
WH	White
BZ	Bronze

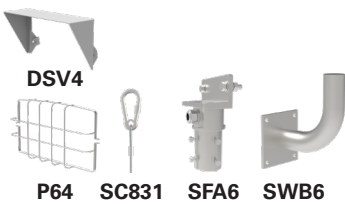
Sensor

BLANK	No sensor included
PC1 ^B ^C	120V photocell
PC2 ^B ^C	208-277V photocell

Accessories (ordered separately):

Description

Description	Cat. #
• Visor.....	DSV4 ^C
• Bolt-on wire guard.....	P64
• Safety cable.....	SC831
• Floodlight slipfitter.....	SFA6
• Slipfitter wall mount adapter.....	SWB6



Replacement driver kits (ordered separately)

FMVA-3-5-7-UNV1-M2-DRIVER KIT	UNV1 M2 replacement driver kit for FMVA-3, -5 and -7
FMVA-3-5-7-UNV3-M2-DRIVER KIT	UNV3 M2 replacement driver kit for FMVA-3, -5 and -7
FMVA-3-5-7-UNV1-PC-M2-DRIVER KIT	For use in models with photocell; UNV1 M2 replacement driver kit for FMVA-3, -5 and -7

^A Consult customer service for lead time.

^B For use with UNV1 models only.

^C For use in Class I environments only.

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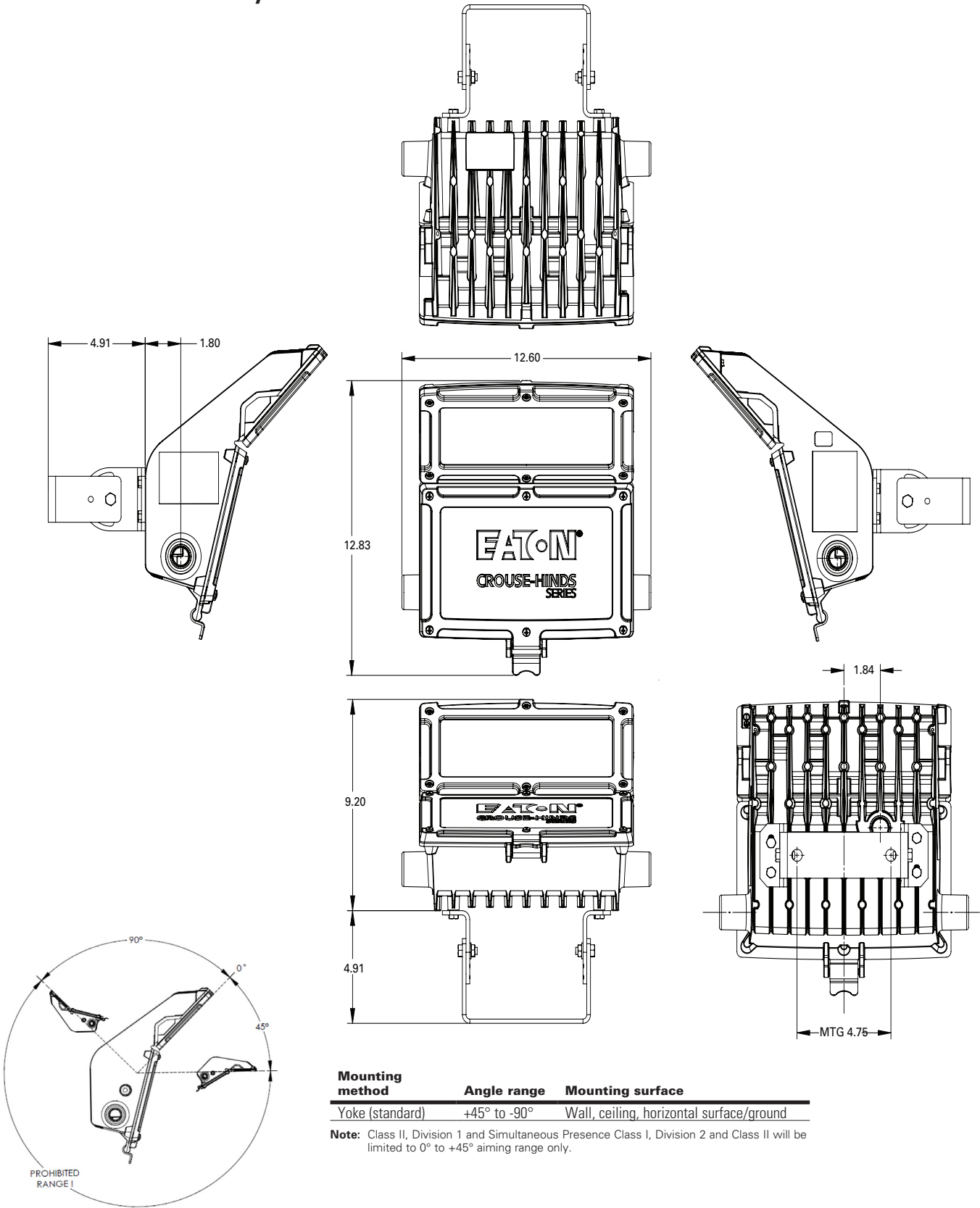
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Dimensions – standard yoke mount:



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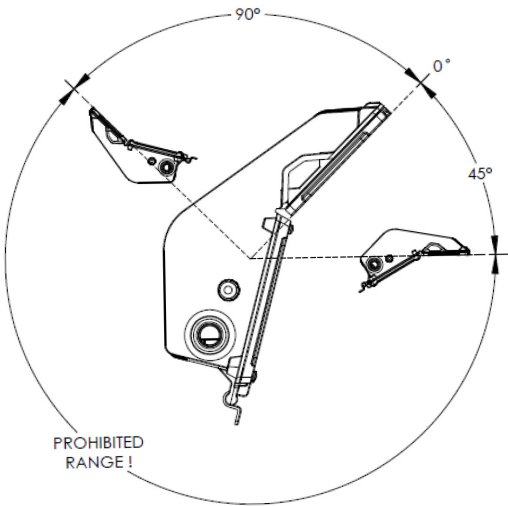
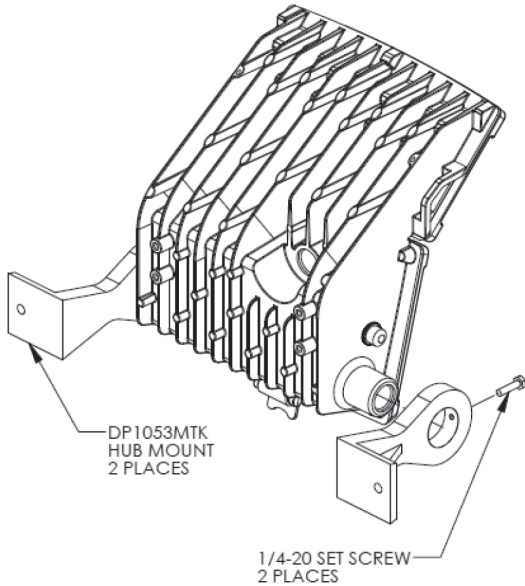
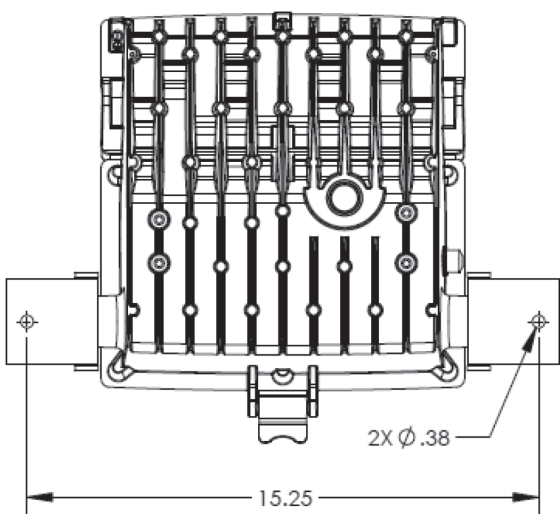
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Dimensions – hub mount (optional):



Mounting method	Angle range	Mounting surface
Hub	+45° to -90°	Wall, ceiling, horizontal surface/ground

Note: Class II, Division 1 and Simultaneous Presence Class I, Division 2 and Class II will be limited to 0° to +45° aiming range only.

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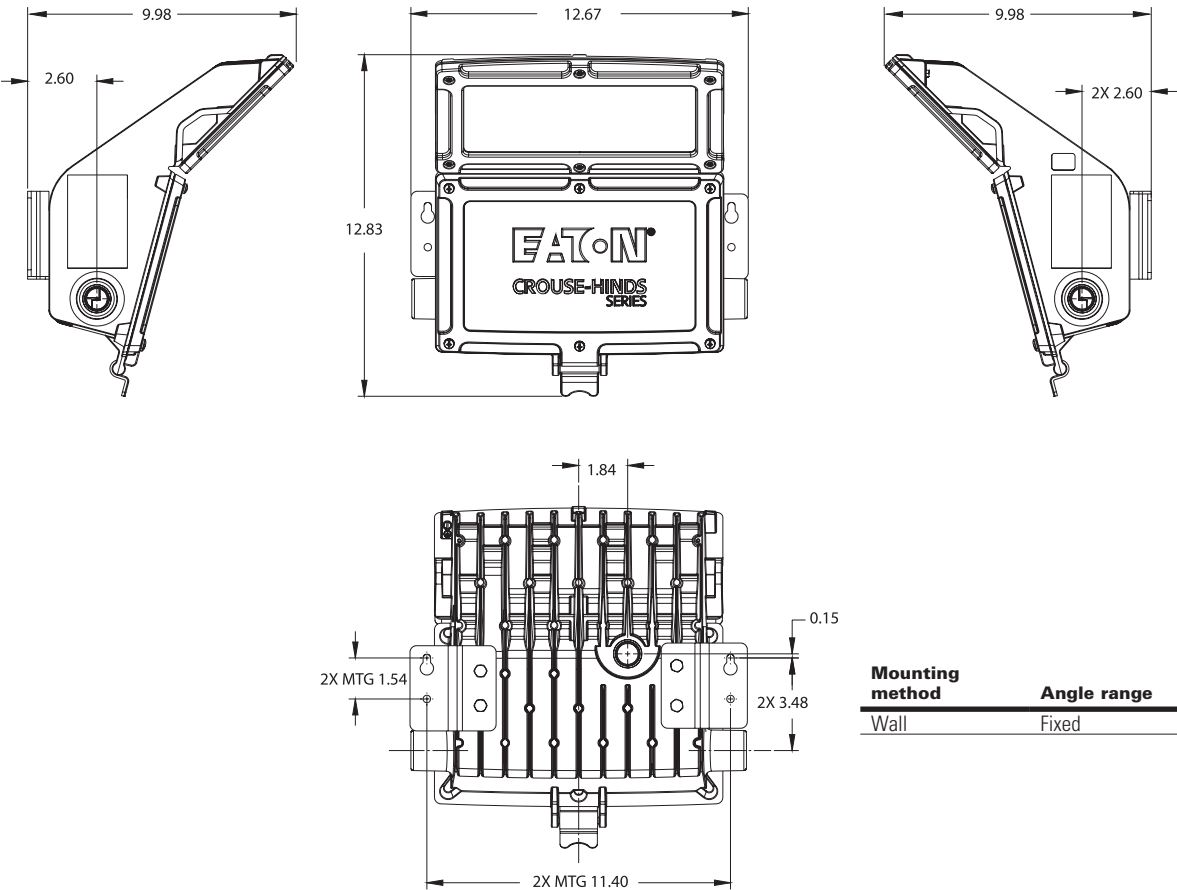
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Dimensions – wall mount (optional):



Mounting method	Angle range	Mounting surface
Wall	Fixed	Wall

5L