

Major Explosion Proof LED



PROJECT NAME	
CATALOG #	
NOTES	



M1



M2

Product Description

The M1/M2 Series LED luminaire is the ideal choice for hazardous applications. They can be used in locations where moisture, dirt, dust, corrosion and vibration may be present, or areas where wind, water, snow or high ambient can be expected. Featuring various shapes of driver box cover, this series is designed to meet different requirements of installations.

Ideal Replacement of Eaton's Crouse-Hinds – Champ®

Eaton's Crouse-Hinds – Champ®				
Pendant	Ceiling	Wall	Stanchion	Quad Mount
APM2	CM2	TWM2	JM5	QM25
AMP3	CM3	TWM3	PM5	
HPM2				

Note: M1/M2 LED luminaires can directly replace Eaton's Crouse-Hinds – Champ® products shown in the chart.

APM2



Different Mounting Kit Design

Ceiling Mount
Driver Cover A



Surface Mount
Driver Cover B



Pendant Mount
Driver Cover B



Wall Mount
Driver Cover C



Stanchion Mount - 25 Degree
Driver Cover D



Note: The small hole in the center of the top is designed for backup. If it is unable to connect wires from the side of the fixture during installation, wires can be connected from this hole.

4 Diffusers Optional



Flat Glass



Convex Glass



Flat Polycarbonate



Convex Polycarbonate

2 Surface Covers Optional



Option 1.
Without-step
Design



Option 2.
With-step
Design

Note: For M1/M2, both option 1 and option 2 are available.

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FEATURES

- Compact and rugged structure, easy for installation
- Four kinds of driver cover available, designed for different installation requirements
- Emergency function is optional
- Shock and vibration resistance with IK08/IK10 certified and 3G vibration test
- Aluminum housing, great corrosion resistance and cooling performance
- Wire guard is optional

UL 844 Hazardous Locations
Class I Division 2, Group A, B, C, D
Class II Division 1, Group E, F, G
Class II Division 2, Group F, G
Class III
Class I, Zone 2, Group IIA, IIB, IIC
Zone 21 or 22
DLC (Pending)
UL 1598
UL 1598A
UL 1598C
ABS
IP66
IK08 (without wire guard)
IK10 (with wire guard)
1.5G vibration

5-Year Standard Warranty

SPECIFICATIONS

Input Voltage120v-277v/347v-480v
Performance130lm/W
Distribution40°/60°/90°/120°
Mount TypeCeiling, Surface, Pendant, Wall, Stanchion 25°
Wattages.....20w/40w/60w/80w/100w/200w
Kelvin Temperature3000K/4000k/5000K
Color Rendering Index80

Application

- Power Plants Heavy Industrials Storage Facility
- Paper mills
- Wastewater Treatment Plants
- Loading Docks Platforms
- Offshore Environments
- Chemical Processing Facility
- Petrochemical Processing Facility Metallurgical Industry
- Coal Mine Food and Alcohol industry



M1



M2

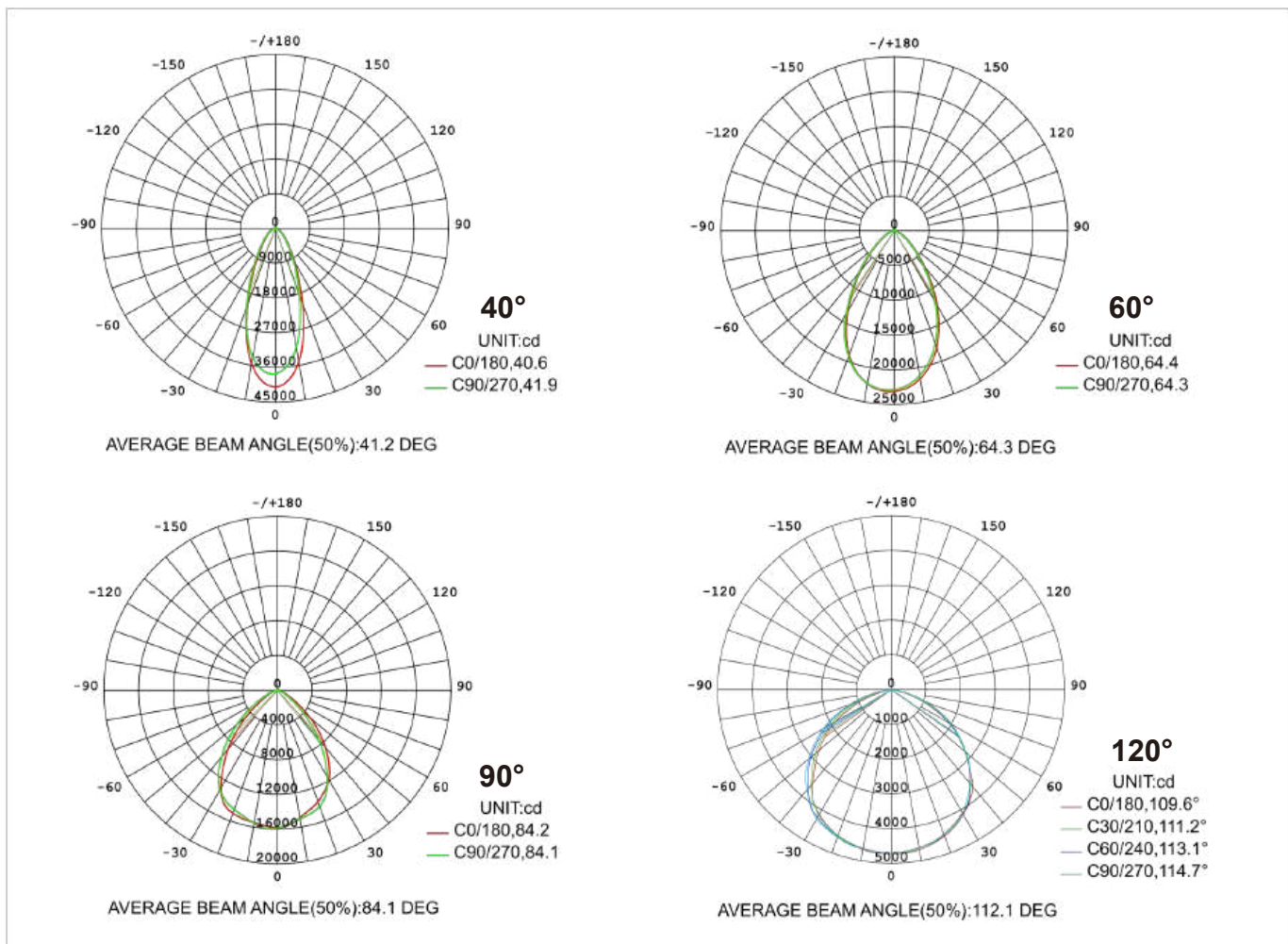
Major ORDERING INFORMATION

SAMPLE ORDER NUMBER: M2-3-2-3-3-2-2-1-1

Series	Wattage	CCT	Optics	Lens	Driver	Driver Voltage	Driver Box Cover	Options
M1	1) 20w	1) 3000K	1) 40°	1) Flat glass (standard)	1) Dim	1) 120v-277v	1) Driver Box Cover A	1) BAA
	2) 40w	2) 4000K	2) 60°	2) Convex Glass	2) Non-Dim	2) 347v-480v	2) Driver Box Cover B	2) Battery Backup
	3) 60w	3) 5000K	3) 90°	3) Flat PC			3) Driver Box Cover C	
	4) 80w		4) 120°	4) Convex PC			4) Driver Box Cover D	
M2	1) 100w							
	2) 150w							
	3) 200w							

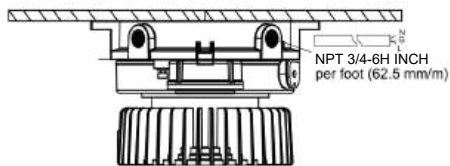
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Photometric



Mounting Methods and Accessories

•Option 1: Ceiling Mount



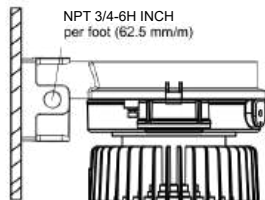
Note: Surface mounting is suitable for model with driver box cover A.



Major Explosion Proof LED

Mounting Methods and Accessories

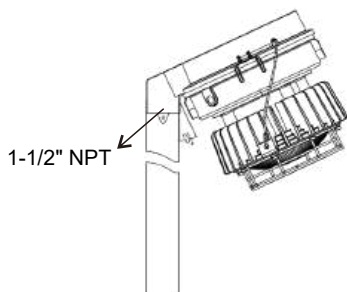
•Option 2: Wall Mount



Note: Wall mounting is suitable for models with driver box cover C.



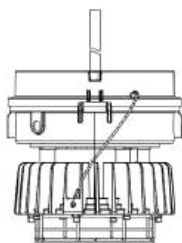
•Option 3: Stanchion 25° Mount



Note: 1. Stanchion mounting is suitable for models with driver box cover D.
2. The thread of the lamp pole interface is 1-1/2" NPT.



•Option 4: Pendant Mount



•Accessory (Ordered Separately)

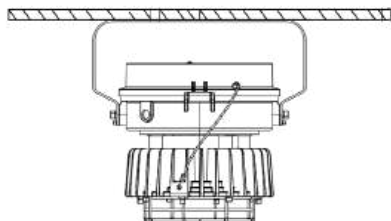


Pole
Ex-Straight Pipe

Note: Pendant mounting is suitable for models with driver box cover B.



•Option 5: Surface Mount



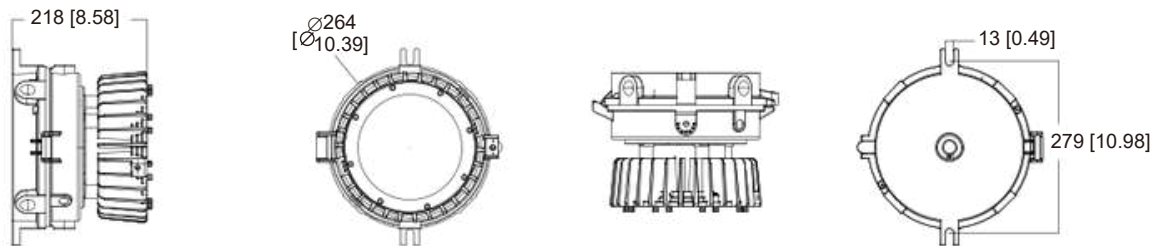
Note: 1. U bracket is standard accessory that is included in the packaging.
2. Surface mounting is suitable for models with driver box cover B.



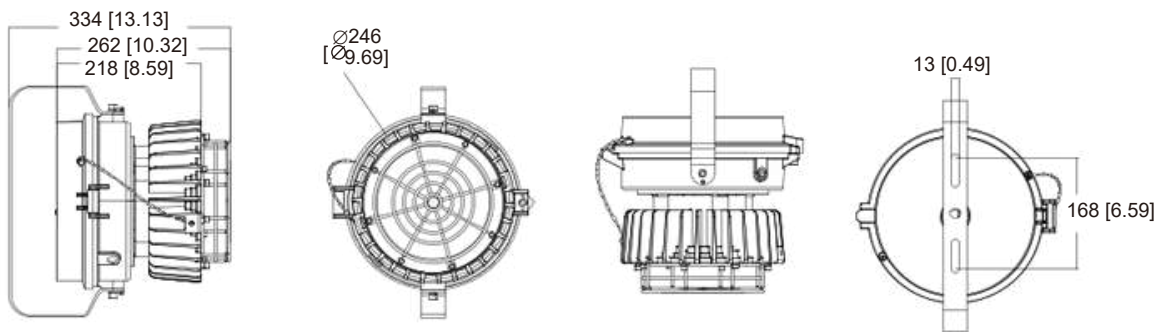
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Mounting Methods and Accessories

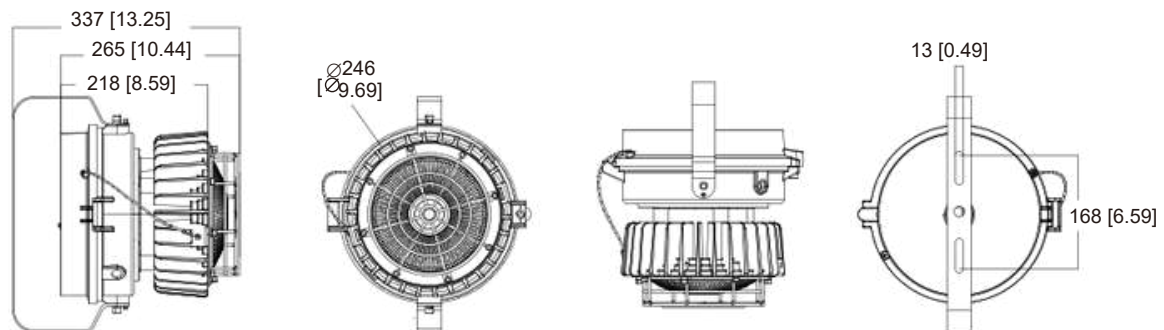
M1 with driver cover A and flat diffuser



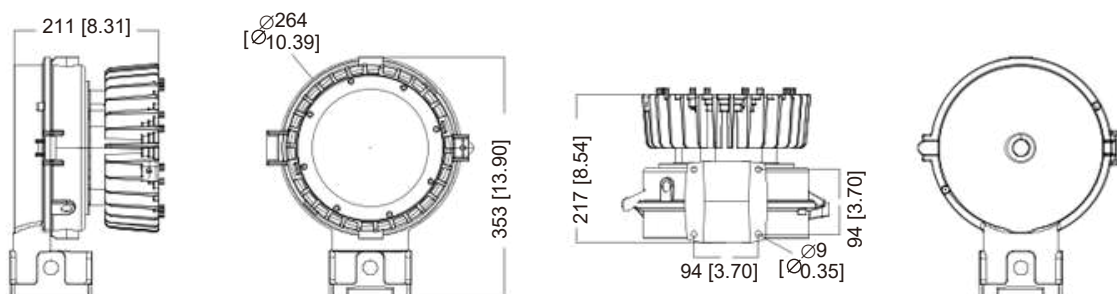
M1 with driver cover B, wire guard, and flat diffuser



M1 with driver cover B, wire guard, and convex diffuser (glass or PC)



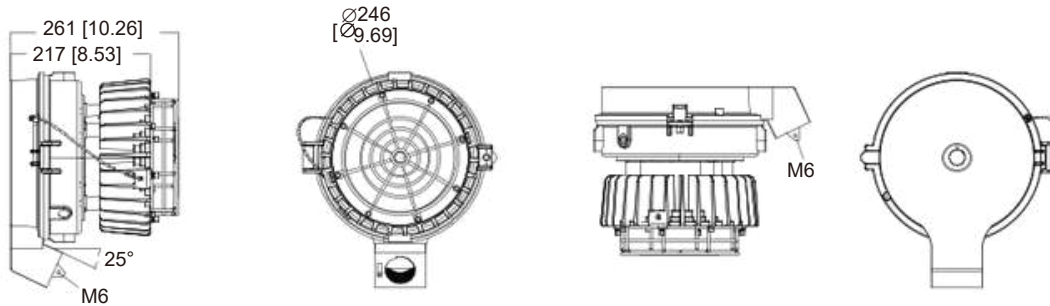
M1 with driver cover C and flat diffuser



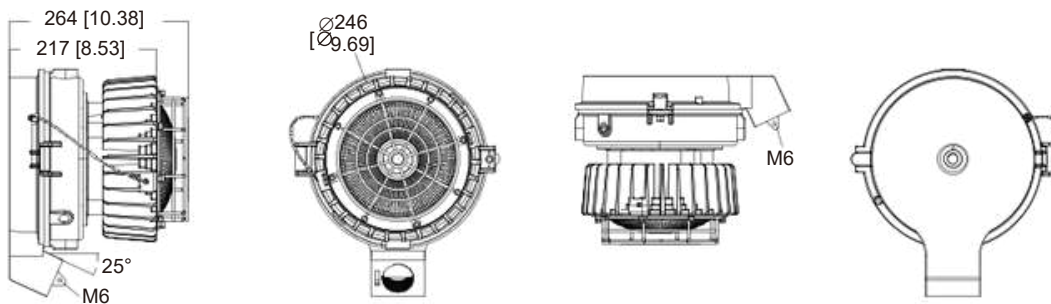
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Product Dimensions Unit: mm [inch]

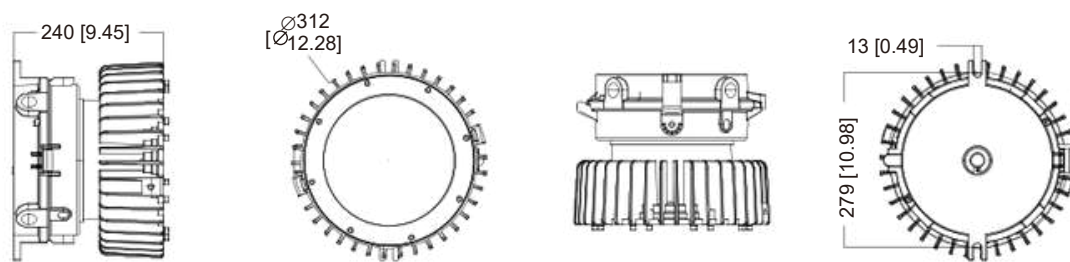
M1 with driver cover D, wire guard, and flat diffuser



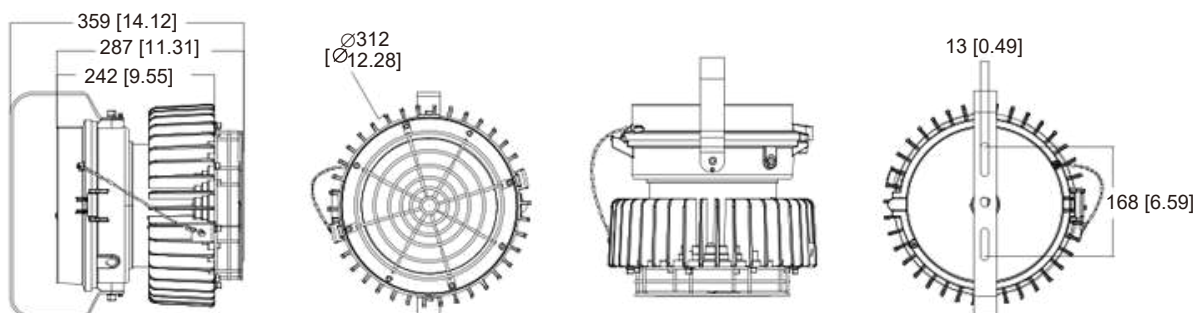
M1 with driver cover D, wire guard, and convex diffuser (glass or PC)



M2 with driver cover A and flat diffuser



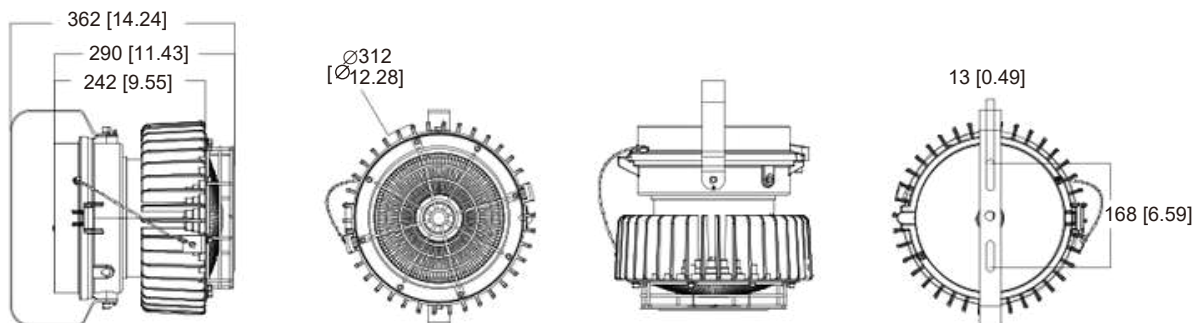
M2 with driver cover B, wire guard, and flat diffuser



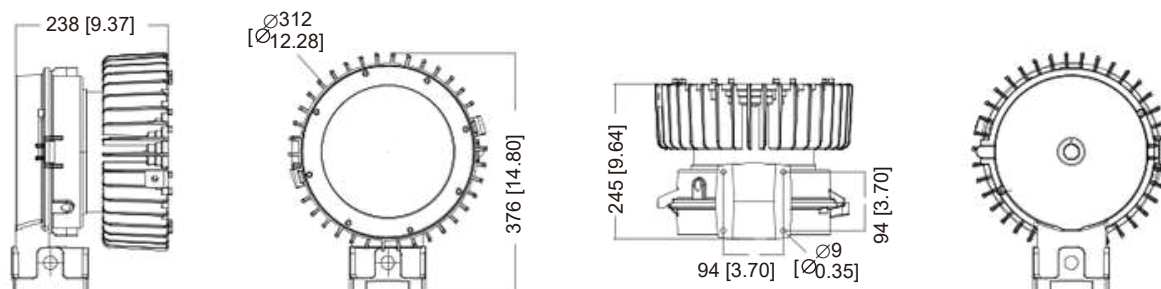
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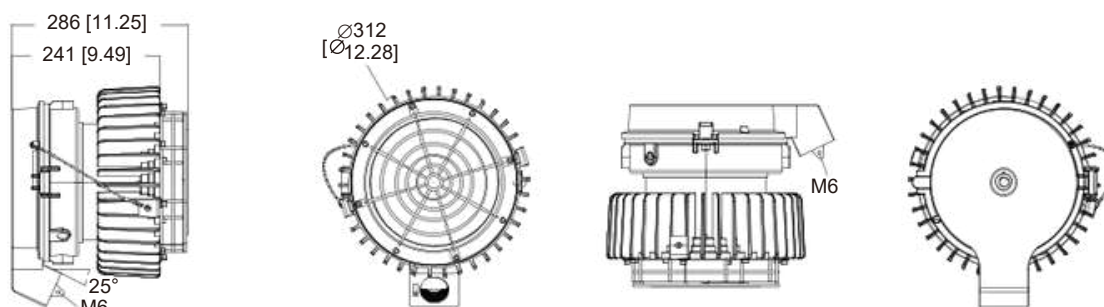
M2 with driver cover B, wire guard, and convex diffuser (glass or PC)



M2 with driver cover C and flat diffuser



M2 with driver cover D, wire guard, and flat diffuser



M2 with driver cover D, wire guard, and convex diffuser (glass or PC)

