FMR
LED

These multi-functional and feature-rich fixtures are capable of both meeting and exceeding the demands of the food processing industry, industrial and commercial environments and architectural applications.

CLASSIFICATION

CLASS I	
Division 2	Groups A, B, C, D
Zone 2	Group IIC
Zone 22	Group IIIB
CLASS II	
Division 2	Groups F, G
CLASS III	

Contact your ABB sales representative to verify classification

CERTIFICATIONS

DLc Not all DL series are DLC qualified. For all qualified products, please visit: www.designlights.org/qpl

ABS TYPE APPROVED PRODUCT

NSF Splash and non-food zones

MARINE UL LISTED E76933

UL LISTED E76933 — UL844 UL1598A UL8750

ida DARK SKY APPROVED

IP IP66/67

100% field serviceable

Life expectancy up to 100,000 hours

0–10 V Dimming 10%–100%

NSF certified for use in splash and non-food zones

Thermally managed for maximum longevity

Vented enclosure ensures long-term reliability

Certified for use in marine locations

Available with multiple distribution patterns

Applications
High mast
Parking lots
Tunnels
Loading docks
Swimming pools
High bay
Food processing
Coolers and freezers
Inspection
Meat processing
Quality control areas
Packaging areas
Hangars
Storage facilities
Oil and gas processing
Agricultural
Marine/wet environments
Chemical/industrial facilities

FMR LED
Key features and benefits

- Copper-free high-pressure die-cast aluminum
- Lens and case are designed to withstand severe impact
- Polyurethane multi-layer powder coating with anti-graffiti properties suitable for interior and exterior surfaces

- Easy cleaning and very smooth to prevent particulate from accumulating
- Two independent power supplies for increased reliability
- Superior CRI (90+)

Color temperature

Available standard in 3500 K and 5000 K color temperatures, with additional color temperatures available from 2700 to 6500 K. Contact your sales representative for more information.

Temperature codes

Luminance	Input voltage	Ambient temp (°C)	Optical models Class I, Div 2 T-Codes	Ambient temp (°C)	Flood models Class I, Div 2 T-Codes	All models Class II, Div 2 T-Codes
FMR10	AC	-40 to 55	T3C	-40 to 55	T4A	T5
FMR10	HV	-40 to 54	T3C	-40 to 51	T4	T5
FMR15	AC	-40 to 55	T3C	-40 to 55	T4A	T5
FMR15	HV	-40 to 54	T3C	-40 to 51	T4	T5
FMR20	AC	-40 to 55	T3C	-40 to 55	T4A	T5
FMR20	HV	-40 to 54	T3C	-40 to 51	T4	T5
FMR25	AC	-40 to 51	T3C	-40 to 55	T4A	T5
FMR25	HV	-40 to 44	T3B	-40 to 50	T4A	T5
FMR30	AC	-40 to 43	T3	-40 to 42	T4A	T5
FMR30	HV	-40 to 43	T3	-40 to 40	T3	T5

Power ratings

Luminance	Input voltage	Rated wattage (watts)	Rated voltage (volts)	Frequency (Hz)	Rated current (amps)
FMR10	AC	107	120–277	50/60	1.11–0.48
FMR10	HV	129	347–480	50/60	0.43–0.31
FMR15	AC	145	120–277	50/60	1.42–0.61
FMR15	HV	145	347–480	50/60	0.47–0.34
FMR20	AC	190	120–277	50/60	1.74–0.75
FMR20	HV	187	347–480	50/60	0.59–0.42
FMR25	AC	247	120–277	50/60	2.18–0.95
FMR25	HV	248	347–480	50/60	0.74–0.53
FMR30	AC	312	120–277	50/60	2.82–1.22
FMR30	HV	310	347–480	50/60	0.96–0.70

—

FMR LED
Numbering system

Lighting fixture

1	2	3	4	5	6	7
FMR30	**CUT**	**W**	**35**	**AC**	**HL**	**U**
Model	Optic	Finish	Color	Power	Location	Market

—
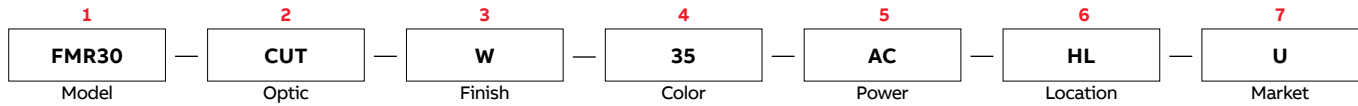
Fixture

Part	Part number	Description
1 Model	**FMR10**	12260 to 12370 lumens
	FMR15	16200 to 16490 lumens
	FMR20	20380 to 20730 lumens
	FMR25	25860 to 26610 lumens
	FMR30	31400 to 31670 lumens
2 Optic	**CUT**	Wide beam (no optics)
	R2	IESNA Type 2
	OC	Oval, 26° x 108°
	SC	Spot 18°
3 Finish	**W**	White
4 Color	**35**	Warm white (3500 K)
	35H	Warm white, high CRI (3500 K)
	50	Cool white (5000 K)
	50H	Cool white, high CRI (5000 K)
5 Power	**AC**	120 to 277 V AC
	HV	347 to 480 V AC
6 Location	**HL**	Hazardous location
7 Market	**U**	US market

—

Mounting accessories (order separately)

Part	Part number	Description
Mounting type	**FMR-WM-WT**	Wall mount [5]
	FMR-HK-WT	Hanging pendant
	FMR-PM-WT	Pole mount [5]
	FMR-YM	Yoke mount [4,5]
	FMR-YK	High vibration yoke [2,4,5]

Notes
1. Minimum order quantities, additional costs and lead times may incur.
2. Custom finishes and high vibration yoke mount are not available for NSF certified units.
3. Hazardous location.
4. Yoke mount only available in stainless steel finish.
5. IDA Fixture seal of approval only applies to fixtures with a CCT of 3000K or less, and that have fixed mounts aiming the fixture perpendicular to the ground.

—

Modular optics (20 options)
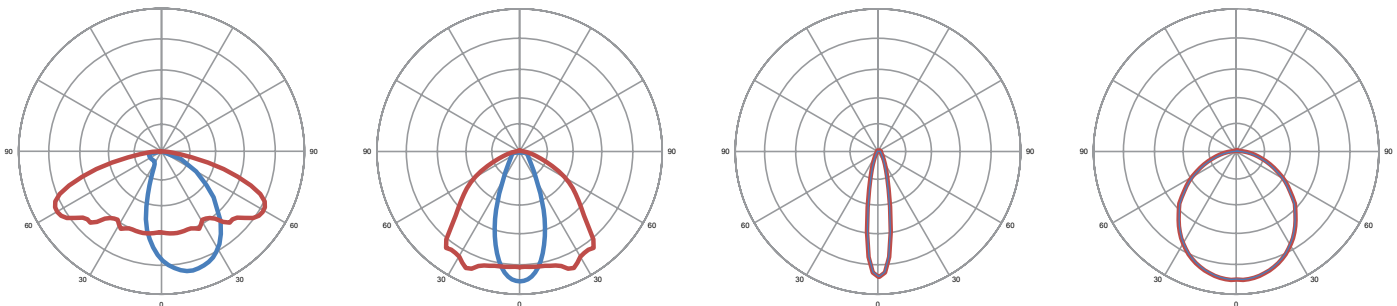
R2 – IESNA Type 2		
Model	Lumens	Lumens/ watts
FMR10	12370	132
FMR15	16340	130
FMR20	20560	125
FMR25	26090	117
FMR30	31670	109

OC – Oval		
Model	Lumens	Lumens/ watts
FMR10	12370	132
FMR15	16340	130
FMR20	20560	125
FMR25	26090	117
FMR30	31670	109

SC – Narrow 18°		
Model	Lumens	Lumens/ watts
FMR10	12370	132
FMR15	16340	130
FMR20	20560	125
FMR25	26090	117
FMR30	31670	109

CUT – Wide beam		
Model	Lumens	Lumens/ watts
FMR10	12370	132
FMR15	16340	130
FMR20	20560	125
FMR25	26090	117
FMR30	31670	109

Standard offering above, 13 alternate optical profiles available upon request.
Contact sales representative for further details. Minimum order quantities, additional costs and lead times may incur.
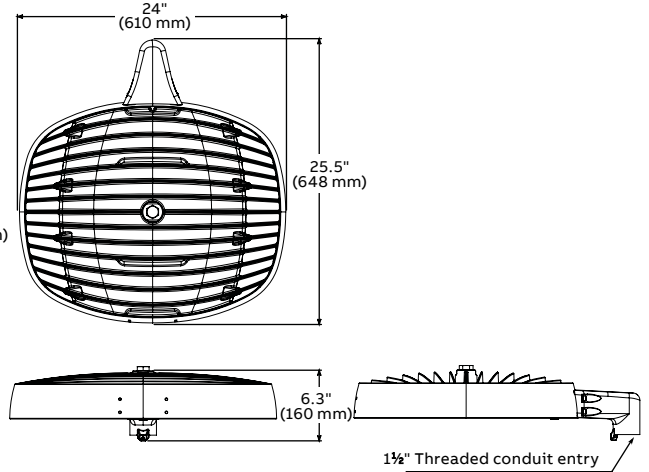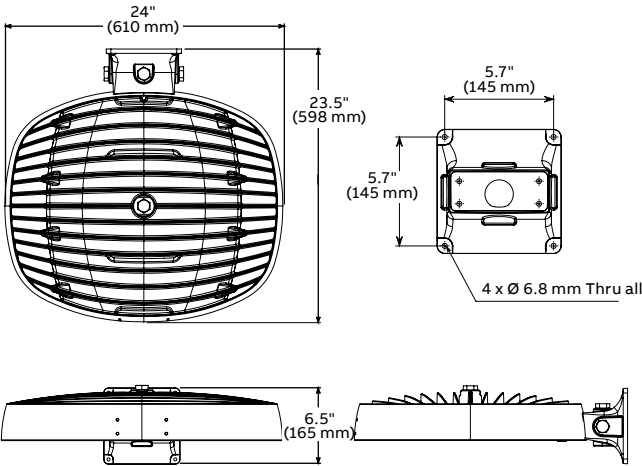
FMR LED
Mounting options

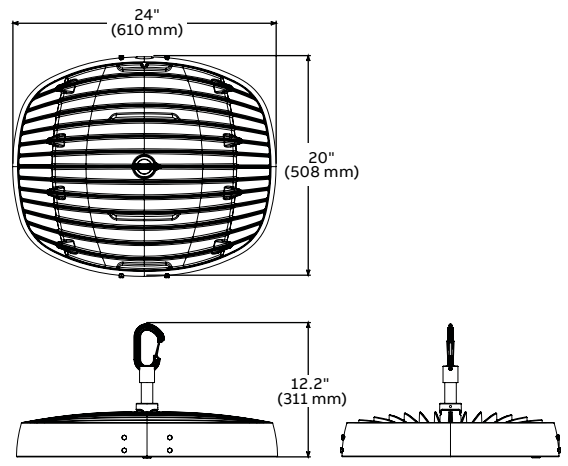### Surface/suspended mount (included standard) `16.8 kg | 37 lbs`

24"
(610 mm)

23.6"
(600 mm)

22.5"
(570 mm)

5"
(126 mm)

5.2"
(132 mm)

0.3"
(Ø7 mm)

0.5"
(Ø13 mm)

21.1"
(535 mm)

6.6"
(169 mm)
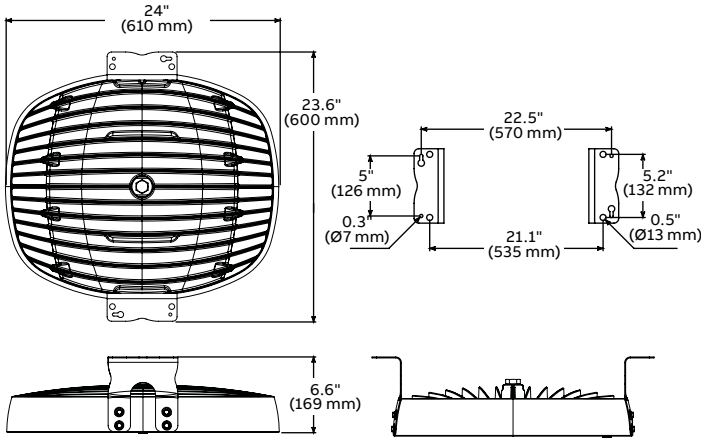
Pole mount FMR-PM (optional accessory) `17.3 kg | 38 lbs`

24"
(610 mm)

25.5"
(648 mm)

6.3"
(160 mm)

1½" Threaded conduit entry

Wall mount FMR-WM (optional accessory) `17.7 kg | 39 lbs`

24"
(610 mm)

23.5"
(598 mm)

5.7"
(145 mm)

5.7"
(145 mm)

4 x Ø 6.8 mm Thru all

6.5"
(165 mm)

Hanging pendant FMR-HK (optional accessory) `16.4 kg | 36 lbs`

24"
(610 mm)

20"
(508 mm)

12.2"
(311 mm)

Yoke mount FMR-YM (optional accessory) `16.8 kg | 37 lbs`

24"
(610 mm)

23.3"
(643 mm)

4.3"
(108.15 mm)

1.7" (Ø44 mm)

2.3"
(59 mm)

0.27"
(Ø6.8 mm)

0.27"
(Ø6.8 mm)

2.8"
(Ø70 mm)

4.7"
(119 mm)
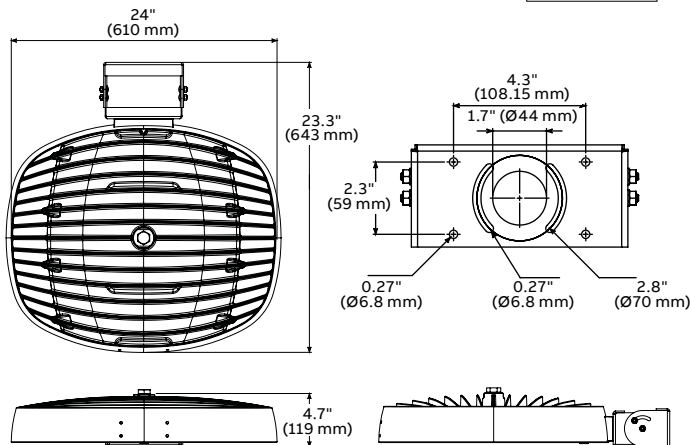
Conduit mount FMR-CM (optional accessory) `16.4 kg | 36 lbs`

24"
(610mm)

20"
(508 mm)

4.9"
(125 mm)