

Hazlux® FMR LED Series

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.

CERTIFICATION

CLASS I

Division 2 Group A, B, C, D

Zone 2 Group IIC

CLASS II

Division 2 Group F, G

Zone 22 Group IIIB

CLASS III

Classification may vary depending on the product configuration. Please follow catalogue information and exceptions.

APPROVALS



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



Splash and non-food zones



UL844
UL1598A
UL8750



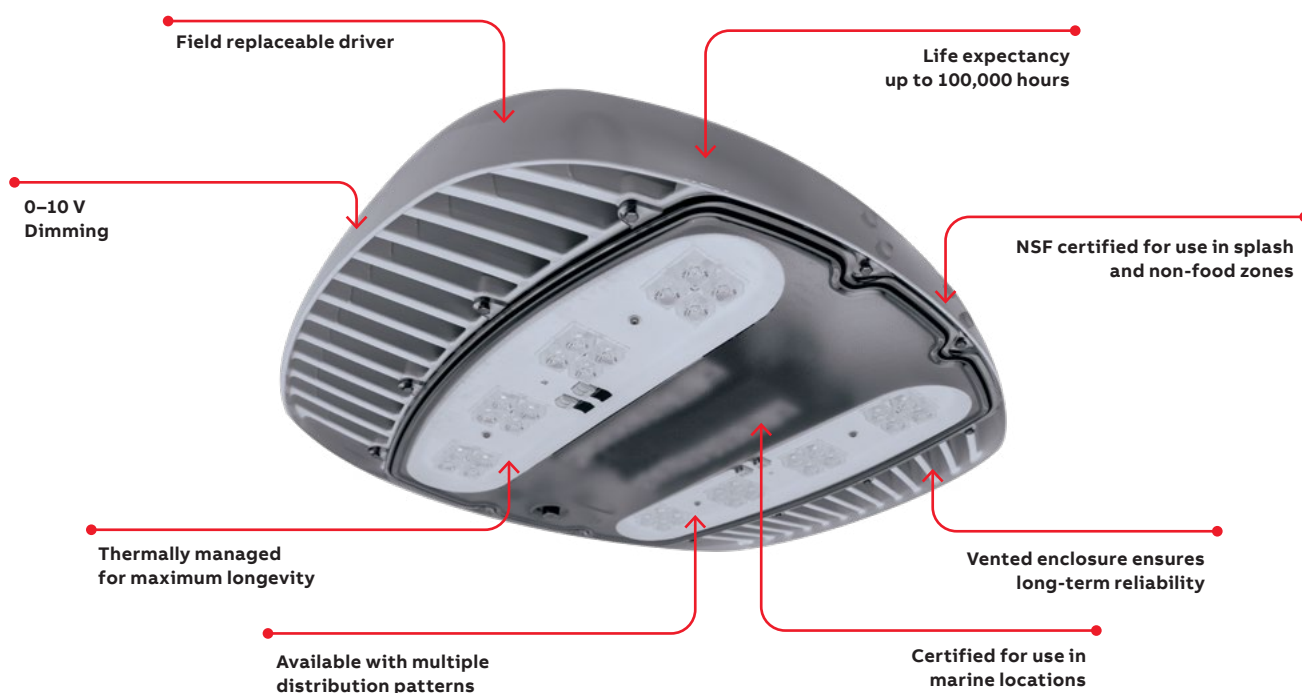
c22.2 no. 137



IP66/67

APPLICATIONS

High mast
Parking lots
Tunnels
Loading docks
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



Hazlux® FMR LED Series

Key features and information

FEATURES

Field replaceable driver

Operating temperature: -40°F to 131°F (-40°C to 55°C)

Thermally managed for maximum longevity

Special powder coating for extreme resistance to chemical attack, aggressive cleaning agents and biocides used in food processing industries

Low surface-energy coating and smooth surface texture prevent debris build-up and staining

Certified for Hazardous Locations, extreme water resistance, and corrosion protection for marine applications

IDA Dark Sky Approved to protect the night time environment and reduce light pollution

HOUSING

Copper-free die-cast aluminum housing and high impact polycarbonate lens

Available with multiple distribution patterns

3/4" NPT conduit entry

LED

Efficacy: up to 105 Lm/W

Lumen output: From 12,260 Lumens to 31,670 Lumens

CREE LED's

CRI Ra>90

Correlated Color Temperature (CCT): 5000K (standard), 27000K, 3000K, 35000K and 4000K (optional)

ELECTRICAL

0-10 V Dimming (10%–100%)

Operating voltage: 120-277VAC, 50/60Hz 347-480VAC

Frequency: 50/60Hz

Power factor 0.95

Driver efficiency 88%

THD <20%

Surge protection standard at 6KV

MOUNTING

Surface/Suspended mount

Wall mount

Hanging pendant

Pole mount

Yoke mount

High vibration yoke

Slip fitter yoke mount

APPROVALS

UL 844

UL 8750 LED safety

UL 1598 wet locations

NSF-2: Splash and Non-Food Zones

UL 1598A & ABS Marine Locations

IDA Dark Sky Approved

DLC

CUL approved to CSA 22.2 No. 137, CSA 22.2 No. 250.0-08, CSA 22.2 No. 250.13

IP66/67

WARRANTY

5 year limited warranty

T-code chart

Luminance	Input volt.	Optical models		Flood models		All models
		Ambient temp	Class I, Div 2 T-Codes	Ambient temp	Class I, Div 2 T-Codes	Class II, Div 2 T-Codes
FMR10	AC	-40 to 131°F (-40 to 55°C)	T3C	-40 to 131°F (-40 to 55°C)	T4A	T5
FMR10	HV	-40 to 129°F (-40 to 54°C)	T3C	-40 to 123°F (-40 to 51°C)	T4	T5
FMR15	AC	-40 to 131°F (-40 to 55°C)	T3C	-40 to 131°F (-40 to 55°C)	T4A	T5
FMR15	HV	-40 to 129°F (-40 to 54°C)	T3C	-40 to 123°F (-40 to 51°C)	T4	T5
FMR20	AC	-40 to 131°F (-40 to 55°C)	T3C	-40 to 131°F (-40 to 55°C)	T4A	T5
FMR20	HV	-40 to 129°F (-40 to 54°C)	T3C	-40 to 123°F (-40 to 51°C)	T4	T5
FMR25	AC	-40 to 123°F (-40 to 51°C)	T3C	-40 to 131°F (-40 to 55°C)	T4A	T5
FMR25	HV	-40 to 111°F (-40 to 44°C)	T3B	-40 to 122°F (-40 to 50°C)	T4A	T5
FMR30	AC	-40 to 109°F (-40 to 43°C)	T3	-40 to 108°F (-40 to 42°C)	T4A	T5
FMR30	HV	-40 to 109°F (-40 to 43°C)	T3	-40 to 104°F (-40 to 40°C)	T3	T5

Electrical specifications

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

HAZlux® FMR LED Series

PHOTOMETRY

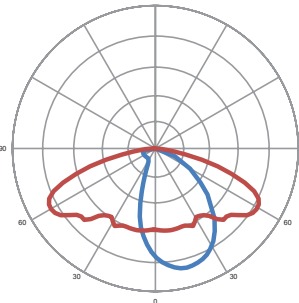
Modular optics (20 options)

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

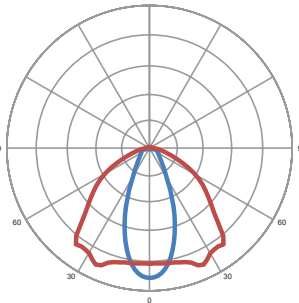
OC – Oval		
Model	Lumens	Lumens/ watts
FMR10	12370	132
FMR15	16340	130
FMR20	20560	125
FMR25	26090	117
FMR30	31670	109

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

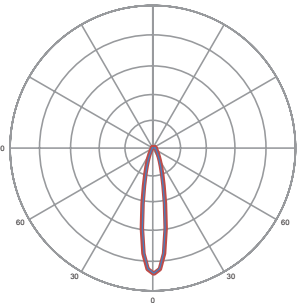
CUT – Wide beam		
Model	Lumens	Lumens/ watts
FMR10	12370	132
FMR15	16340	130
FMR20	20560	125
FMR25	26090	117
FMR30	31670	109



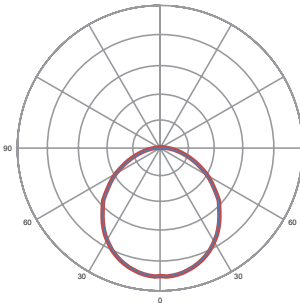
BUG rating : B4-U0-G4



BUG rating : B5-U1-G1



BUG rating : B5-U1-G1



BUG rating : B5-U0-G2

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

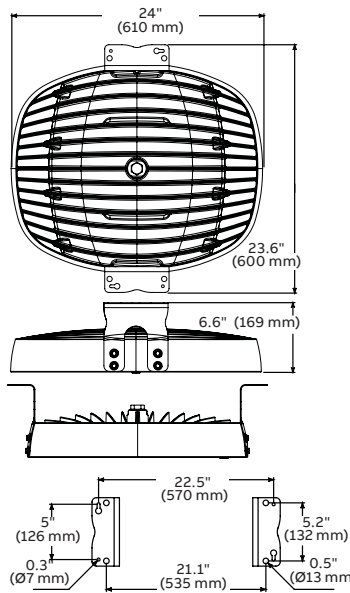


Hazlux® FMR LED Series

MOUNTING AND OPTIONAL ACCESSORIES (sold separately)

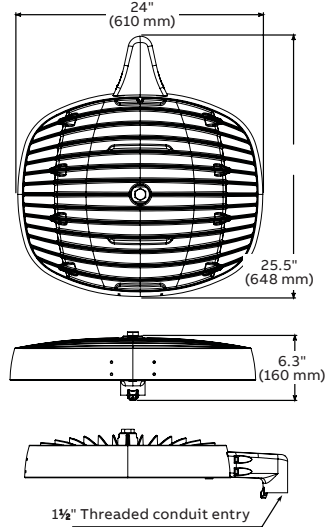
Surface/suspended mount (included standard)

16.8 kg | 37 lbs



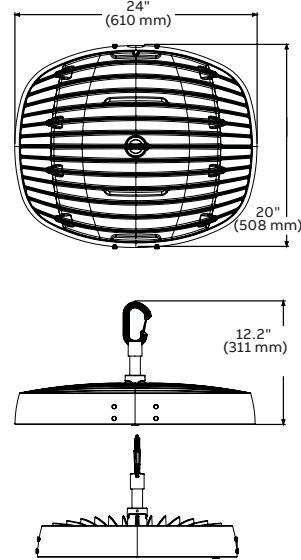
Pole mount FMR-PM (optional accessory)

17.3 kg | 38 lbs



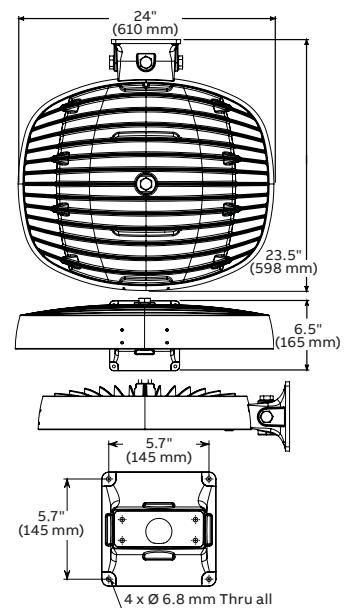
Hanging pendant FMR-HK (optional accessory)

16.4 kg | 36 lbs



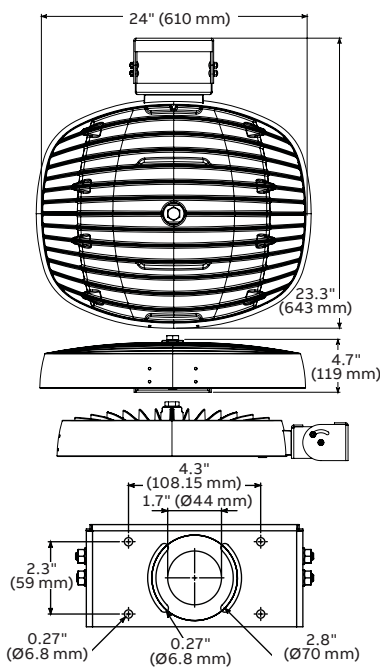
Wall mount FMR-WM (optional accessory)

17.7 kg | 39 lbs



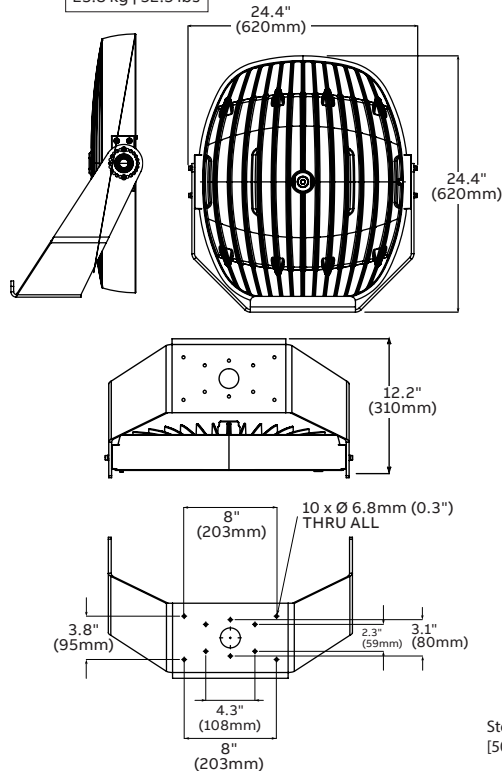
Yoke mount FMR-YM (optional accessory)

16.8 kg | 37 lbs



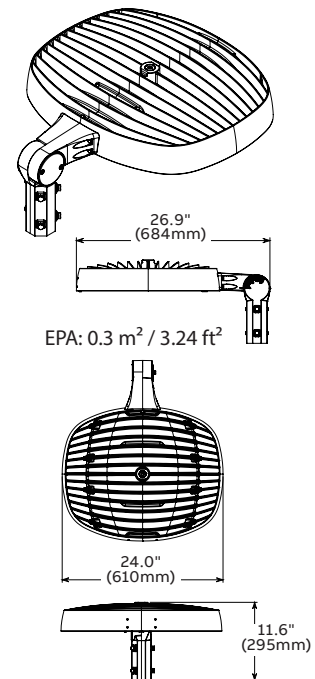
High vibration yoke FMR-YK (optional accessory)

23.8 kg | 52.5 lbs



Slip fitter yoke mount FMR-SFY (optional accessory)

18.35 kg | 40.3 lbs

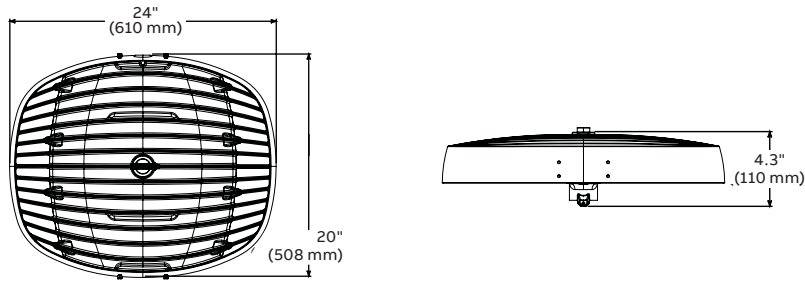


Stepped to accept either 1.5" Trade size (1-13/16" [46mm] to 2" [50mm] OD) & 2" Trade size (2-1/8" [53mm] to 2-7/16" [63mm])

Hazlux® FMR Series

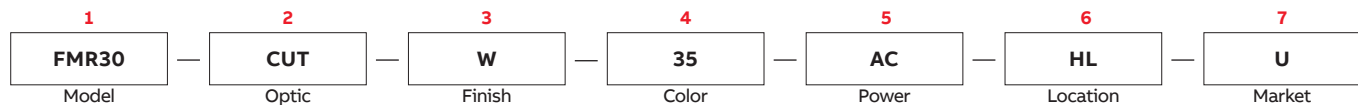
DIMENSIONS

Dimensions are approximate and subject to change.



NUMBERING SYSTEM

Lighting fixture



Ordering information

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)
	OC	Oval, 26° x 108° ¹
	R2	IESNA Type 2 ¹
	SC	Spot 18° ¹
3 Finish	GY	Gray
4 Color	27	Warm White (2700K) ¹
	27H	Warm White, High CRI (2700K) ¹
	30	Warm White (3000K) ¹
	30H	Warm White, High CRI (3000K) ¹
	35	Warm white (3500K) ¹
	35H	Warm white, high CRI (3500K) ¹
	40	Natural White (4000K) ¹
	40H	Natural White, High CRI (4000K) ¹
	50	Cool white (5000K)
	50H	Cool white, high CRI (5000K)

¹Option subject to extended lead time and minimum order quantities.

Part	Part number	Description
5 Power	AC	120-277 V AC
	HV	347-480 V AC
6 Location	HL	Hazardous location
7 Market	U	U.S. market
	Blank	Canadian market

Accessories (sold separately)

Part	Part number	Description
Mounting type	FMR-WM-GY	Wall mount ¹
	FMR-HK-GY	Hanging pendant
	FMR-PM-GY	Pole mount ¹
	FMR-YM	Yoke mount ^{1,2}
	FMR-YK	High vibration yoke ^{1,2,3}
	FMR-SFY-GY	Slip fitter yoke mount

¹IDA 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.

²Yoke mount only available in stainless steel finish.

³Custom finishes and high vibration yoke mount are not available for NSF certified units.

Note: For Canadian market, please add "-CA" to the part no. (ex: FMR-WM-GY-CA).