FAIL-SAFE®

FMR

13W-160W
Fluorescent

MAXIMUM SECURITY RECESSED LUMINAIRE SOLID CEILING PLASTER OR DRYWALL

DIMENSIONS

CEILING OPENING

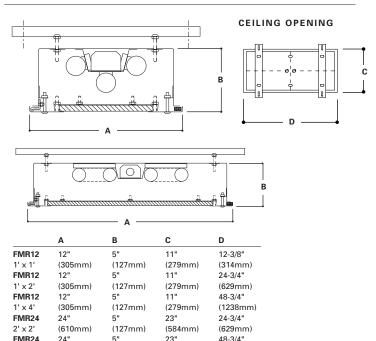|	A	B	C	D
FMR12 1' x 1'	12" (305mm)	5" (127mm)	11" (279mm)	12-3/8" (314mm)
FMR12 1' x 2'	12" (305mm)	5" (127mm)	11" (279mm)	24-3/4" (629mm)
FMR12 1' x 4'	12" (305mm)	5" (127mm)	11" (279mm)	48-3/4" (1238mm)
FMR24 2' x 2'	24" (610mm)	5" (127mm)	23" (584mm)	24-3/4" (629mm)
FMR24 2' x 1'	24" (610mm)	5" (127mm)	23" (584mm)	48-3/4" (1238mm)

DESCRIPTION

The Fail-Safe FMR Series combines maximum security construction features with energy saving technology. This recessed luminaire is designed for applications utilizing solid ceiling plaster or drywall construction. Luminaire utilizes a one-piece overlapping door frame, security lensing and tamper resistant fasteners to maximize impact resistance and prevent contraband concealment and unauthorized fixture penetration. U.L. listed and C.S.A. certified for wet locations.
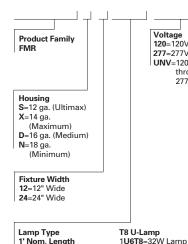
- Lens choice of prismatic acrylic, prismatic polycarbonate or prismatic tempered glass on fixture side, clear polycarbonate or clear tempered glass on environmental side

- Stainless steel tamper-resistant TORX® screws with center pin reject are standard. Allen-head screws with center pin reject are optional

- Die-formed 12 ga.–18 ga. CRS body with welded corners. Standard white high reflectance polyester powder coat finish

- Lens secured by thru-studs and vertically adjustable internal CRS hold-downs

- Continuous, concealed piano hinge

- One-piece, CRS door frame with die-formed edges and tightly closed corners

- Standard Class P, CBM/ETL ballast

- Polyurethane gasketing surrounds door frame

- 16 ga., galvanized steel mounting channels and plaster frame assembly (order as accessory)

- U.L. listed, C.S.A. certified, standard wet label

ORDERING INFORMATION

SAMPLE NUMBER: FMR-D12-340-120-80/86-LE3-GLR

Product Family
FMR

Housing
S=12 ga. (Ultimax)
X=14 ga. (Maximum)
D=16 ga. (Medium)
N=18 ga. (Minimum)

Fixture Width
12=12" Wide
24=24" Wide

Voltage
120=120V
277=277V
UNV=120V through 277V

Lamp Type

1' Nom. Length
Compact Fluorescent [3]
113=(1) 13W Lamp
126=(1)26W Lamp
213=(2) 13W Lamps
226=(2) 26W Lamps
313=(3) 13W Lamps

2' Nom. Length
T8 Fluorescents
117=(1) 17W Lamp
217=(2) 17W Lamps
317=(3) 17W Lamps
417=(4) 17W Lamps [4]

T12 Fluorescents [2]
120=(1) 20W Lamp
220=(2) 20W Lamps
320=(3) 20W Lamps
420=(4) 20W Lamps [4]

Biaxial Fluorescents
140BX=(1) 40WLamp
240BX=(2) 40W Lamps
340BX=(3) 40W Lamps [4]
440BX=(4) 40W Lamps [4]

T8 U-Lamp
1U6T8=32W Lamp
1U 1 5/8=31W Lamp
2U6T8=(2) 32W Lamps [4]
2U15/8=(2) 31W Lamps
3U15/8=(3) 31W Lamps [4]

4' Nom. Length
T8 Fluorescents
132=(1) 32W Lamp
232=(2) 32W Lamps
332=(3) 32W Lamps
432=(4) 32W Lamps [4]

T12 Fluorescents
140=(1) 40W Lamp
240=(2) 40W Lamps
340=(3) 40W Lamps
440=(4) 40W Lamps [4]

Lens Type
Inner Layer / (optional)
90=.005 UV Absorbing Overlay

Fixture Side
80=.125 Prismatic Acrylic
81=.156 Prismatic Polycarbonate
82=.187 Prismatic Polycarbonate
93=.156 Prismatic Tempered Glass

Environmental Side
84=.125 Clear Polycarbonate
85=.187 Clear Polycarbonate
86=.250 Clear Polycarbonate
87=.375 Clear Polycarbonate
88=.500 Clear Polycarbonate
94=.187 Clear Tempered Glass
96=.250 Clear Tempered Glass
97=.375 Clear Tempered Glass
98=.500 Clear Tempered Glass

Ballast
Blank=Magnetic Ballast (Standard) [5]
LECO8=T8 Energy Saving Ballast
LE3=40W T12 Energy Saving Ballast

Electronic Ballast [1]
EBT1=(1) Ballast for use with Compact Fluorescent Lamp[3]
EBT2=(2) Ballasts for use with Compact Fluorescent Lamp[3]

EB81=(1) Ballast for use with T8 Lamp
EB82=(2) Ballasts for use with T8 Lamp
EB21=(1) Ballast for use with T12 Lamp[2]
EB22=(2) Ballasts for use with T12 Lamp[2]
EBX1=(1) Ballast for use with Biaxial Lamp
EBX2=(2) Ballasts for use with Biaxial Lamp

Options
EBP=Emergency Battery Pack
FNL=Fluorescent Night Light (Lamp by others.)
GLR=Fuse and Holder
ISH=Internal Security Hinge (doubles the number of fasteners)
RIF=Radio Interference Filter
SPK=Speaker Housing Compartment (extends housing)

Auto Control Modules
ACM/FNL=for FNL

Stainless Steel Door
SSN=Natural Brushed Finish
SSP=Polyester Powder Coat Finish

Fasteners
SF3=Allen-Head (center pin reject)

Accessories (Order Separately)
9306=Allen-Head Wrench
MF12-2FT [3]=Plaster Frame and Yoke Assembly
MF12-4FT [3]=Plaster Frame and Yoke Assembly
MF24-2FT [4]=Plaster Frame and Yoke Assembly
MF24-4FT [4]=Plaster Frame and Yoke Assembly
VRSD=TORX®-Head Vandal Resistant Screwdriver

Notes: For additional options, consult your Cooper Lighting Representative. Specifications and Dimensions subject to change without notice. Electronic ballast may cause interference with other electronic devices. If interference occurs, move the device away from the product or plug/connect into a different circuit/outlet.

[1] For specific electronic ballast, specify brand and catalog number. [2] Electronic ballast not available for F20T12 lamps. [3] 12" width only. [4] 24" width only. [5] For use with Compact Fluorescent, Biaxial, and 20W T12 lamps. [6] For additional information about the TCS option see pages 1106 and 1107.