

DESCRIPTION

The Fail-Safe FMSC combines maximum security construction features with energy saving technology. This surface mounted luminaire utilizes a one-piece clamshell housing, security lensing and tamper-resistant fasteners to maximize impact resistance and prevent unauthorized fixture penetration. Ceiling mount, UL/cUL listed for damp locations. The FMSC is ideal for confinement/security applications. Suitable for use in inmate cells, psychiatric wards, secure corridors and general population areas.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Fasteners

Stainless steel tamper-resistant T20 TORX® screws with center pin reject are standard. Allen-head screws with center pin reject optional (SF3).

Housing

One-piece, die-formed, CRS with continuous welded ends to form a one-piece, seamless clamshell housing for maximum impact resistance and prevention of unauthorized fixture penetration.

Finish

High gloss, electrostatically applied, white powder coat finish, average minimum reflectance 92%.

Back Pan

16 ga. CRS. 14 ga. optional.

Hinge

Concealed piano hinge standard. Optional continuous piano hinge.

Gasketing

Black gasket prevents light leaks from fixture base.

Lens

Choice of prismatic acrylic, prismatic polycarbonate or prismatic tempered glass on fixture side, clear polycarbonate or clear tempered glass on environmental side. See Lens Options.

Lamps

By others.

Lens Retention

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

Ballast

Electronic Class P, CBM/ETL ballast.

Labels

UL/cUL listed for damp locations. Wet Location under covered ceiling optional.



FMSC12

Biaxial

T5

T8

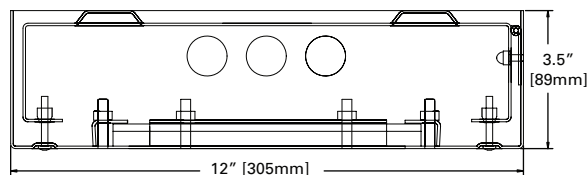
TT

Fluorescent

Confinement/Correctional

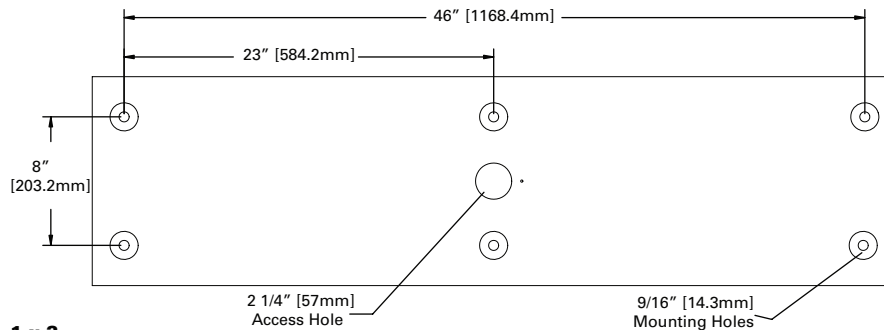
SURFACE

1X4 CROSS-SECTION

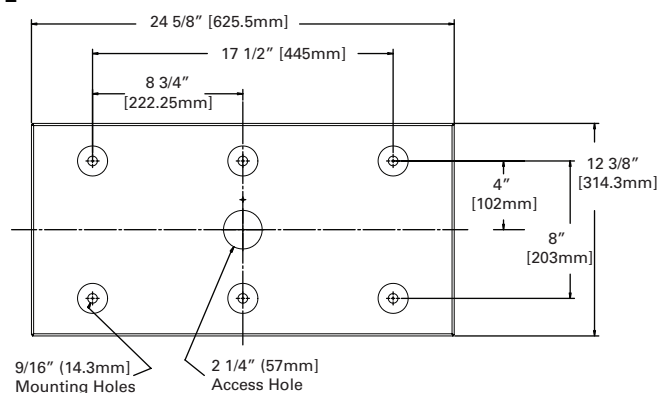


MOUNTING DIMENSIONS

1 x 4



1 x 2



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RATINGS

UL/cUL listed

Damp location

Wet location (Optional)

Cooper Lighting

by **E.T.N**

ORDERING INFORMATION

SAMPLE NUMBER: FMSC-D12-332-347-90/80/86-EB82-EBP-FNL

Product Family	Steel Gauge	Fixture Width	Lamp Qty/Type	Voltage	Lens Type	Ballast	Options
FMSC¹					/		
FMSC = Surface Luminaire (Clamshell)			2' Nom. Length T5 Fluorescent² 114=(1) 14W Lamp 214=(2) 14W Lamps 314=(3) 14W Lamps 124=(1) 24W Lamps 224=(2) 24W Lamps T8 Fluorescent 117=(1) 17W Lamp 217=(2) 17W Lamps 317=(3) 17W Lamps Biaxial Fluorescent 140BX=(1) 40WLamp 240BX=(2) 40W Lamps 4' Nom. Length T5 Fluorescent 128=(1) 28W Lamp 228=(2) 28W Lamps 328=(3) 28W Lamps 154=(1) 54W Lamps 254=(2) 54W Lamps 354=(3) 54W Lamps T8 Fluorescent 132=(1) 32W Lamp 232=(2) 32W Lamps 332=(3) 32W Lamps	120=120V 277=277V UNV=120V-277V 347=347V	Inner Layer⁵ (optional) 90=0.005 UV Absorbing Overlay Fixture Side 80=0.125 Prismatic Acrylic 81=0.156 Prismatic Polycarbonate 82=0.187 Prismatic Polycarbonate 93=0.156 Prismatic Tempered Glass Environmental Side⁵ 84=0.125 Clear Polycarbonate 85=.187 Clear Polycarbonate 86=0.250 Clear Polycarbonate 87=0.375 Clear Polycarbonate 94=0.187 Clear Tempered Glass 96=0.250 Clear Tempered Glass 97=0.375 Clear Tempered Glass 98=0.500 Clear Tempered Glass		EL4=EM Pack, T8, Biax ⁷ EL5=EM Pack, T5, T5HO ⁷ FNL=Fluorescent Night Light 5, 7 or 9 Watt ⁷ FNL13= Fluorescent Night Light, 13W ⁷ GLR=Fuse and Holder CPHF=Concealed piano hinge full length ⁴ 14G= 14 ga. back pan On/Off Switches SPS=Security Push Button ⁶ Stainless Steel Fixture SSN=Natural Brushed Finish SSP=Polyester Powder Coat Finish Fasteners SF3=Allen-Head (center pin reject)
S = 12 ga. (Ultimax) X = 14 ga. (Maximum) D = 16 ga. (Medium) N = 18 ga. (Minimum)							
12 = 12" Wide							
Notes: 1 Not suitable for continuous row mount. Surface conduit not to be used for power entry. 2 (2)T8 ballasts or (1)T5 or T5HO ballast and (1) EBP maximum. 3 For specific electronic ballast, specify brand and catalog number. 4 CPHF is standard on 12 ga. fixtures. 5 Refer to Lens Ordering Guide for additional lens choices. 6 120V only 7 Specify voltage							
Electronic Ballasts³ EB81= (1) Ballast for use with T8 Lamp EB82= (2) Ballasts for use with T8 Lamp EBT1= (1) Ballast for use with Compact Lamp EBT2= (2) Ballasts for use with Compact Lamp EBX1= (1) Ballast for use with Biaxial Lamp EBX2= (2) Ballasts for use with Biaxial Lamp EB51=(1) Ballast for use with T5 Lamp EB52= (2) Ballasts for use with T5 Lamp							
Accessories (order separately) 9306=Allen-Head Wrench VRSD=T20 Center Pin Tamper-proof TORX®-Head screwdriver							