

## DESCRIPTION

The Fail-Safe FMB combines maximum security construction features with energy saving technology. This wall mounted luminaire utilizes a one piece clamshell housing, security lensing and tamper resistant fasteners to maximize impact resistance and prevent contraband concealment and unauthorized fixture penetration. UL/cUL listed for wet locations. The FMB 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 are standard. Allen-head screws with center reject pin are optional.

### Housing

Clamshell design combines die-formed 14 ga. CRS body with continuous welded and ground ends to form a one-piece, seamless, doorless housing which maximizes impact resistance and prevents contraband concealment and unauthorized fixture penetration.

### Finish

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

### Hinge

Continuous, concealed piano hinge (1/4" dia. knuckle) with welded pin end to prevent removal.

### Backplate

Die-formed CRS backplate forms an irretrievable blade trap to prevent contraband concealment.

### Lens

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

### 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 wet locations under covered ceilings.



## FMB

T5

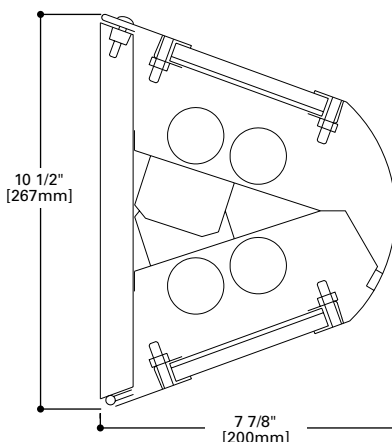
T8

Biaxial

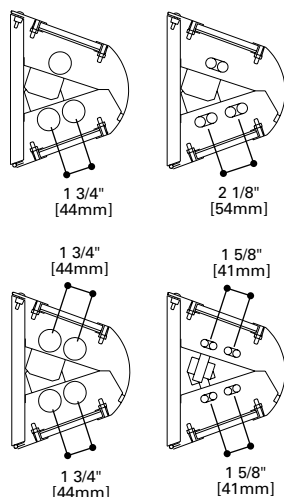
Compact Fluorescent  
Confinement/Correctional

WALL

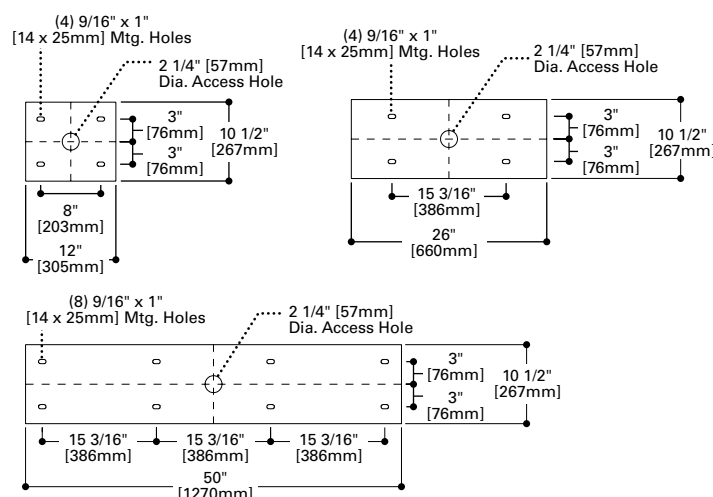
Task / Ambient



## LAMP CONFIGURATIONS



## MOUNTING DIMENSIONS



TORX® is a registered trademark of Camcar Division of Textron Inc.

## ENERGY DATA

Input Watts:

STD Ballasts & STD Lamps

(2) 40W Biaxial Fluorescents: 82W

(3) 40W Biaxial Fluorescents: 127W

ES Ballasts & STD Lamps

(2) 17W T8 Fluorescents: 45W

(3) 17W T8 Fluorescents: 68W

(4) 17W T8 Fluorescents: 90W

(2) 32W T8 Fluorescents: 71W

(3) 32W T8 Fluorescents: 108W

(4) 32W T8 Fluorescents: 142W

Electronic Ballast Data

Consult Cooper Lighting Representative

## ORDERING INFORMATION

SAMPLE NUMBER: FMB-D-2/232-120-82/96-EBT1-FNL

Product Family	Housing	Lamp Type	Voltage <sup>2</sup>	Lens Type	Ballast	Options	
<b>FMB</b>				<b>/</b>			
FMB=Task/Ambient Wall Luminaire		<b>2'Nom. Length<sup>6</sup></b> <b>T5 Fluorescent</b> 1/114=(2) 14W Lamps 1 Up, 1 Down 1/214=(3) 14W Lamps 1 Up, 2 Down 2/114=(3) 14W Lamps 2 Up, 1 Down 2/214=(4) 14W Lamps 2 Up, 2 Down 1/124=(2) 24W Lamps 1 Up, 1 Down 1/224=(3) 24W Lamps 1 Up, 2 Down 2/124=(3) 24W Lamps 2 Up, 1 Down  <b>Biaxial Fluorescent<sup>6</sup></b> 1/140BX=(2) 40W Lamps 1 Up, 1 Down 1/240BX=(3) 40W Lamps 1 Up, 2 Down 2/140BX=(3) 40W Lamps 2 Up, 1 Down	<b>4'Nom. Length</b> <b>T5 Fluorescent</b> 1/128=(2) 28W Lamps 1 Up, 1 Down 1/228=(3) 28W Lamps 1 Up, 2 Down 2/128=(3) 28W Lamps 2 Up, 1 Down 2/228=(4) 28W Lamps 2 Up, 2 Down 1/154=(2) 54W Lamps 1 Up, 1 Down 1/254=(3) 54W Lamps 1 Up, 2 Down 2/154=(3) 54W Lamps 2 Up, 1 Down 2/254=(4) 54W Lamps 2 Up, 2 Down  <b>T8 Fluorescent</b> 1/132=(2) 32W Lamps 1 Up, 1 Down 1/232=(3) 32W Lamps 1 Up, 2 Down 2/132=(3) 32W Lamps 2 Up, 1 Down 2/232=(4) 32W Lamps 2 Up, 2 Down	120=120V 277=277V UNV=120V- 277V	<b>Inner Layer<sup>5</sup></b> / <b>Environmental Side<sup>5</sup></b> <b>(Optional)</b> 90=0.005 UV Absorbing Overlay  <b>Fixture Side</b> 80=0.125 Prismatic Acrylic 81=0.156 Prismatic Polycarbonate 82=.187 Prismatic Polycarbonate 93=0.156 Prismatic Tempered Glass  <b>Electronic Ballast<sup>1</sup></b>  EBT1=(1) Ballast for use with CFL Lamp EBT2=(2) Ballasts for use with CFL Lamp EB51=(1) Ballast for use with T5 Lamp EB52=(2) Ballasts for use with T5 Lamp EB81=(1) Ballast for use with T8 Lamp EB82=(2) Ballasts for use with T8 Lamp EBX1=(1) Ballast for use with Biaxial Lamp EBX2=(2) Ballasts for use with Biaxial Lamp	<b>84</b> =0.125 Clear Polycarbonate <b>85</b> =.187 Clear Polycarbonate <b>86</b> =.250 Clear 00Polycarbonate <b>87</b> =.375 Clear Polycarbonate <b>88</b> =.500 Clear Polycarbonate <b>94</b> =000.187 Clear Tempered Glass <b>96</b> =0.250 Clear Tempered Glass <b>97</b> =.375 Clear Tempered Glass <b>98</b> =00.500 Clear Tempered Glass	<b>DSR</b> =Duplex Security Receptacle <b>FNL</b> =Fluorescent Night Light (5, 7, 9W) <b>FNL13</b> =Fluorescent Night Light (13W) <b>LNL</b> =LED Night Light <b>GLR</b> =Fuse and Holder <b>ISH</b> =Internal Security Hinge (doubles the number of fasteners) <b>SPK</b> =Speaker Housing Compartment (extends housing)  <b>On/Off Switches</b> <b>SPS</b> =Security Push Button <sup>4</sup> <b>TCS</b> =Touch Control System <sup>3</sup>  <b>Stainless Steel Outer Housing</b> <b>SSN</b> =Natural Brushed Finish <b>SSP</b> =Polyester Powder Coat Finish <b>Fasteners</b> <b>SF3</b> =Allen-Head (center pin reject)
						<b>Accessories</b> <b>(order separately)</b>  9306 =Allen-Head Wrench VRSD=T20 Center Pin Tamperproof TORX ® - head screwdriver	

**Notes:**

<sup>1</sup> For specific electronic ballast, specify brand and catalog number.

<sup>2</sup> Product also available in non-US voltages and 50 Hz for international markets. Consult your Cooper Lighting Representative for availability and ordering information.

<sup>3</sup> For additional information about the TCS option, see Fail-Safe spec sheet for TCS Touch Control System.

<sup>4</sup> 120V only.

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<sup>3</sup> For additional information about the TCS option, see Fail-Safe spec sheet for TCS Touch Control System.  
<sup>4</sup> 120V only.  
<sup>5</sup> Refer to Lens Ordering Guide for additional lens choices.  
<sup>6</sup> (1) T5 or T5HO ballast and (1) EM Pack maximum.  
     (2) T8 ballasts and (1) EM Pack maximum.  
<sup>7</sup> (1) AC ballast and (1) EM Pack maximum.

## PHOTOMETRICS

Please visit our website @ [www.cooperlighting.com](http://www.cooperlighting.com)