

## DESCRIPTION

The Fail-Safe FUSL combines maximum security construction features with energy saving technology. This surface mounted luminaire utilizes a four-sided, sloped clamshell housing, security lensing and tamper resistant fasteners to maximize impact resistance and prevent contraband concealment and unauthorized fixture penetration. ETL listed for damp locations, optional wet location under covered ceiling. The FUSL is ideal for confinement/security applications. Suitable for use in inmate cells, psychiatric wards, secure corridors and general population areas.

## SPECIFICATION FEATURES

### Fasteners

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

### Housing

Clamshell design combines die-formed 12, 14, 16 or 18 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

Concealed piano hinge leaves no exposed parts for weapon fabrication and facilitates maintenance.

### 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. See Lens Ordering Guide.

### Lamps

By others.

Catalog #		Type	
Project		Date	
Comments			
Prepared by			

### Lens Retention

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

### Ballast

Electronic Class P, CBM/ETL ballast.

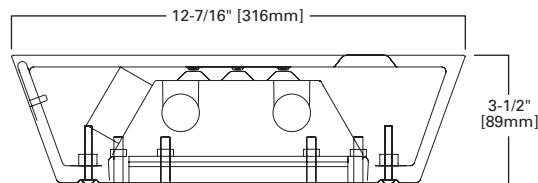
### Labels

ETL listed for damp locations. Wet location under covered ceiling optional.

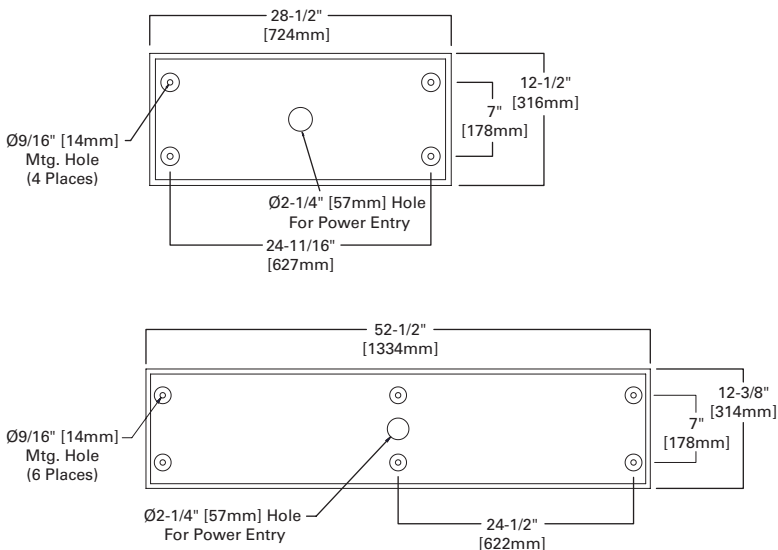


## FUSL12

Biaxial  
T8  
T5  
Fluorescent  
Confinement/Correctional  
  
SURFACE



## MOUNTING DIMENSIONS



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ORDERING INFORMATION

SAMPLE NUMBER: FUSL-S12-332-UNV-82/96-EB82

Product Family	Steel Gauge	Fixture Width	Lamp Type	Voltage <sup>2</sup>	Lens Type <sup>6</sup>	Ballast	Options	
<b>FUSL</b>		<b>12</b>			<b>/</b>			
<b>FUSL=Ultimax Surface Luminaire</b>  <b>S</b> = 12 ga. (Ultimax) <b>X</b> = 14 ga. (Maximum) <b>D</b> = 16 ga. (Medium) <b>N</b> = 18 ga. (Minimum)  12 = 12" Wide				120=120V 277=277V UNV=120V-277V	<b>Inner Layer (optional)</b> 90=0.005 UV Absorbing Overlay  <b>Fixture Side</b> 80=0.125 Prismatic Acrylic 81=0.156 Prismatic Polycarbonate 82=0.187 Prismatic Polycarbonate 93=0.156 Prismatic Tempered Glass	<b>Environmental Side</b> 84=0.125 Clear Polycarbonate 85=.187 Clear Polycarbonate 86=0.250 Clear Polycarbonate 87=0.375 Clear Polycarbonate 88=0.500 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	<b>EL4=EM Pack, T8 <sup>7</sup></b> <b>EL5=EM Pack, T5, T5HO <sup>7</sup></b> <b>FNL=Fluorescent Night Light (5, 7, 9W) <sup>7</sup></b> <b>FNL13=Fluorescent Night Light (13W) <sup>7</sup></b> <b>LNL=LED Night Light <sup>7</sup></b> <b>GLR=Fuse and Holder</b> <b>WL=Wet Location</b>  <b>On/Off Switches</b> <b>SPS=Security Push Button <sup>3</sup></b> <b>AM=Anti-microbial Finish</b> <b>MW=Matte White Powder Coat White</b> <b>Stainless Steel Outer Housing</b> <b>SSN=Natural Brushed Finish</b> <b>SSP=Powder Coat Paint White Finish</b>  <b>Fasteners</b> <b>SF3=Allen-Head (center pin reject)</b>	
<b>2' Nom. Length</b> <b>T8 Fluorescent</b> 117=(1) 17W Lamp 217=(2) 17W Lamps 317=(3) 17W Lamps <sup>5</sup>  <b>T5 Fluorescent</b> 114=(1) 14W Lamp 214=(2) 14W Lamps 124=(1) 24W Lamps 224=(2) 24W Lamps 314=(3) 14W Lamps <sup>4, 5</sup> 324=(3) 24W Lamps <sup>4, 5</sup>  <b>Biaxial Fluorescent</b> 140BX=(1) 40W Lamp 240BX=(2) 40W Lamps		<b>4' Nom. Length</b> <b>T8 Fluorescent</b> 132=(1) 32W Lamp 232=(2) 32W Lamps 332=(3) 32W Lamps  <b>T5 Fluorescent</b> 128=(1) 28W Lamp 154=(1) 54W Lamps 228=(2) 28W Lamps 254=(2) 54W Lamps 328=(3) 28W Lamps 354=(3) 54W Lamps		<b>Electronic Ballasts <sup>1</sup></b> <b>EB51=One Ballast for use with T5 Lamp</b> <b>EB52=Two Ballasts for use with T5 Lamp</b> <b>EB81=One Ballast for use with T8 Lamp</b> <b>EB82=Two Ballasts for use with T8 Lamp</b> <b>EBT2=Two Ballasts for use with Compact Lamp</b> <b>EBX1=One Ballast for use with Biaxial Lamp</b> <b>EBX2=Two Ballasts for use with Biaxial Lamp</b>				<b>Accessories (order separately)</b>  <b>9306=Allen-Head Wrench</b> <b>VRSD=T20 Center Pin Tamper-proof TORX -Head'screwdriver</b>
<b>Notes:</b> 1 For specific electronic ballast, specify brand and catalog number. 2 Products also available in non-US voltages and 50 Hz for international markets. Consult your Cooper Lighting Solutions Representative for availability and ordering information. 3 120V only. 4 No Emergency Battery Pack. 5 FNL or LNL not available. 6 Refer to Lens Ordering Guide for additional lens choices. 7 Specify voltage.								