

DESCRIPTION

The Fail-Safe FUSL LED combines maximum security construction features with LED 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. The FUSL LED 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 standard. Allen-head screws with center reject pin are 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%. Matte white powder coat paint, and matte white anti-microbial paint available. Stainless-steel brushed or stainless-steel painted powder coat white optional.

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.

Light-Emitting Diode (LED)

Available in 3000K, 3500K, 4000K and 5000K with CRI > 85. Projected life is 50,000 hours at 70% lumen maintenance.

Lens Retention

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

Driver

Electronic driver 120-277. 0-10V dimming standard. Dimming leads connected and presented at access point optional.

Labels

ETL listed for damp locations. Optional Wet Label.

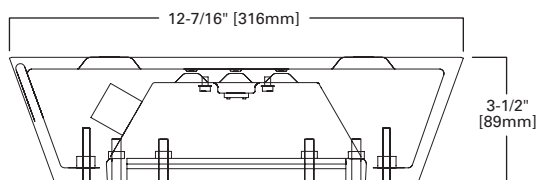


FUSL12

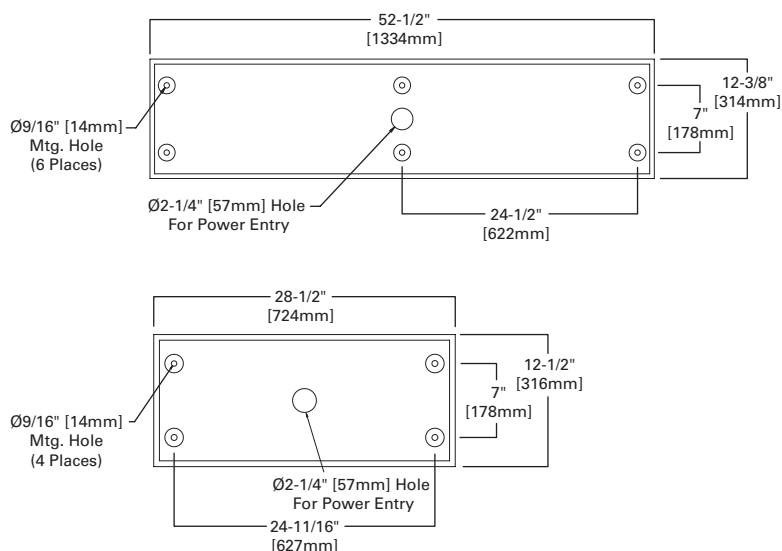
LD4 LED

3-1/2" Deep
12" Wide
Confinement/Correctional

Surface



MOUNTING DIMENSIONS



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ORDERING INFORMATION

SAMPLE NUMBER: FUSL-X12-4-LD4-2STD-50-UNV-80/84-EDC1

FUSL	12	LD4			/		
Product Family Surface Luminaires FUSL			Illumination Level STD=Standard LO=Low HI=High		Environmental ^{1, 2} Side 84=0.125 Clear Polycarbonate 85=0.187 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	Driver ³ EDC1=Electronic Driver, 1 Circuit, Non-dimming EDC2=Electronic Driver, 2 Circuits, Non-dimming EDD1=Electronic Driver, 1 Circuit, 0-10V Dimming, 10% EDD2=Electronic Driver, 2 Circuits, 0-10V Dimming, 10% ED1D1=Electronic Driver, 1 Circuit, 0-10V Dimming, 1% ED1D2=Electronic Driver, 2 Circuits, 0-10V Dimming, 1%	
Housing S=12 ga. (Ultimax) X=14 ga. (Maximum) D=16 ga. (Medium) N=18 ga. (Minimum)			Color Temperature 30=3000 Kelvin 35=3500 Kelvin 40=4000 Kelvin 50=5000 Kelvin				
Fixture Width 12=12"			Voltage 120=120V 277=277V UNV=120V-277	Lens Type ^{1, 2} Inner Layer (optional) 90=0.005 UV Absorbing Overlay			
Length 2=2' 4=4'				Fixture Side 80=0.125 Prismatic Acrylic 81=0.156 Prismatic Polycarbonate 82=0.187 Prismatic Polycarbonate 93=0.156 Prismatic Tempered Glass			
LD4=LED						Options LLNL=Linear LED Night Light AM=Anti-microbial Finish MW=Matte White Powder Coat White EL7W=Emergency Battery Pack, 7W Output EL10W=Emergency Battery Pack, 10W Output EL14W=Emergency Battery Pack, 14W Output WL=Wet Label ⁴ Stainless Steel Outer Housing SSN=Natural Brushed Finish SSP=Powder Coat Paint White Finish Fasteners SF3=Allen-Head (center pin reject)	
No. of LEDs 1=(1) LED Module 2=(2) LED Modules						Accessories (Order Separately) 9306=Allen-Head Wrench VRSD=T20 Center Pin Tamperproof TORX®-head screwdriver	

Notes:

1 Inner Layer and Environmental Side lenses not to exceed 0.625" total thickness when specifying polycarbonate on environmental side
 Inner Layer and Environmental Side lenses not to exceed 0.500" total thickness when specifying tempered glass on environmental side.

2 Refer to Lens Ordering Guide for additional lens choices.

3 Dimming driver used. For EDC1 and EDC2, the purple and gray low voltage leads are not connected to the driver. For EDD1 and EDD2, purple and gray leads are connected to the driver and at same access point as fixture line voltage leads.

4 Wet Label is shipped with weep holes for drainage.

NOMINAL INPUT WATTS/DELIVERED LUMENS

Fixture Length	# Modules	Level	Nominal Input Watts	Nominal Delivered Lumens
2'	1	LO	12.6	1078
	1	STD	17.2	1459
	1	HI	22.3	1787
	2	LO	26.2	2044
	2	STD	36.6	2744
4'	2	HI	44.9	3361
	1	LO	26.2	2259
	1	STD	36.6	3031
	1	HI	45.0	3713
	2	LO	52.4	4355
	2	STD	73.2	5845
	2	HI	90.1	7159