

DESCRIPTION

The Fail-Safe CFE-4 Clean Room Troffer is enclosed and gasketed to maintain ceiling integrity and protect against infiltration of particles and airborne bacteria. The housing and door are designed to work with 2" inverted "T" ceiling grids. Sealed housing and door frame allow relamping without contamination of the clean areas. UL/cUL listed for wet locations under covered ceilings.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Application

The CFE-4 luminaires are ideal for I.E.S. Class 1,000, 10,000 and 100,000 clean room environments. Applications include clean rooms, technical and biomedical labs, and food processing/testing centers.

Construction

Nominal 4-3/4" deep recessed, one-piece housing made of 20-gauge cold rolled steel; dieformed and seam-welded to create a sealed chamber. Gasketed wiring access plate.

Finish

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

Frame/Shielding

Flush-mounted extruded aluminum door frame with mitered corners and baked white enamel finish. Flexi-seal(TM) closed-cell foam gasketing is used between lens frame and housing. One-piece extruded lens gasket provides a dependable seal between the lens and lens frame. Lens is clear Pattern 12 acrylic with prisms positioned inside fixture and smooth surface on outside for easy cleaning. Other shielding options include prismatic polycarbonate.

Hinging/Latching

Two slide-latches with safety screws secure lens frame in the closed position. Lens frame hinges and is removable without the use of tools.

Electrical

Electronic Class P, CBM/ETL ballast.

Listings

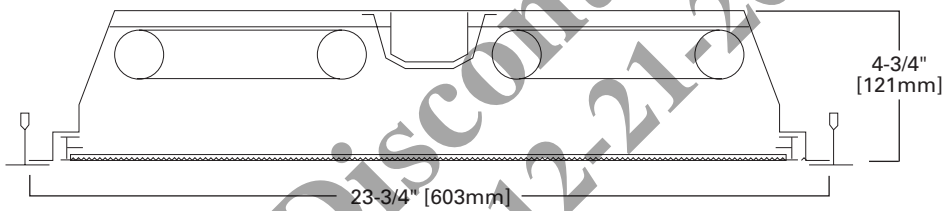
UL/cUL listed for wet locations under covered ceilings.



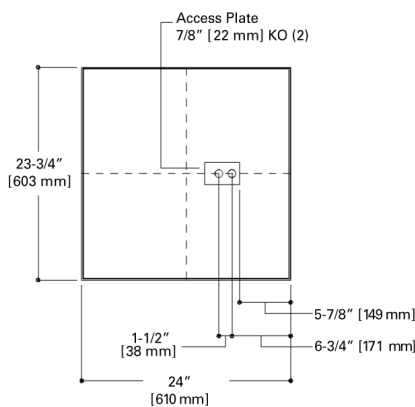
CFE-4

2x2
Cleanroom

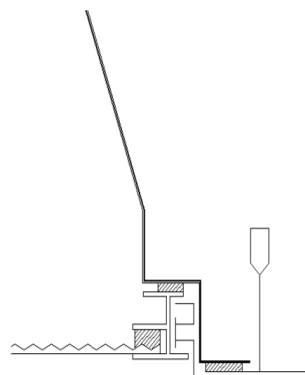
RECESSED GRID
Inset Flat Door
2" T-Grid



MOUNTING DATA



DOOR FRAME



CFE-4 White Aluminum

ORDERING INFORMATION

SAMPLE NUMBER: CFE-4-417-120-IK12-EB81

Product Family	Grid Size	Lamp Type	Voltage	Shielding ³	Ballast	Options	Accessories
CFE	4						
CFE=Fluorescent Efficiency 4=2"		120= 120V 277=277V 347=347V UNV= 120V-277V		Shielding IK12 = Pattern 12 Prismatic Acrylic, 0.110" nominal thickness IP12 = Pattern 12 Prismatic Polycarbonate, 0.110" thick 93 = Prismatic Tempered Glass, 0.156" thick 89BJ = 0.187" Pattern 12 Polycarbonate 89BM = 0.140" Pattern 12 Acrylic 89AR = 0.140" Pattern 12 Acrylic Acrytuf ® 89AN = 0.187" Pattern 12 Acrylic Acrytuf ® 89AG = 0.156" Pattern 19 Acrylic 89CB = 0.187" Pattern 19 Acrylic 89BV = 0.125" Clear Acrylic 89BW = 0.125" Opal Acrylic	EB81= (1) Ballast for use with T8 Lamp EB82= (2) Ballasts for use with T8 Lamp EB51= (1) Ballast for use with T5 Lamp EB52= (2) Ballasts for use with T5 Lamp	EL4=EM Pack, T8, BX EL5=EM Pack, T5, T5HO GLR=Fuse and Holder RIF=Radio Frequency Interference Filter AM=Anti-microbial Finish	MSC4-PK=Mounting security clips, used to secure fixture to grid, or to tie wires
T5 Fluorescent 214=(2) 14W Lamps 314=(3) 14W Lamps ² 414=(4) 14W Lamps ² 224=(2) 24W Lamps 324=(3) 24W Lamps ² 424=(4) 24W Lamps ²	T8 Fluorescent 217=(2) 17W Lamps 317=(3) 17W Lamps 417=(4) 17W Lamps U Lamps 2U15/8=(2) 31W T8 Lamps 2U6T8= (2) 32W T8 Lamps 3U15/8=(3) 31W T8 Lamps						

NOTES:

- For specific electronic ballast, specify brand and catalog number.
- (2) T5 or T5HO ballasts and EBP will require EBP to be back-mounted to housing. Consult factory for exact fixture height.
- Refer to Lens Ordering Guide for additional lens choices.

Discontinued
12-21-2022