

DESCRIPTION

The Fail-Safe CFDFA Cleanroom 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 inverted 1" or 1-1/2" T-Grid ceilings (specify 15T option for 2x4).

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

Application

The CFDFA is suitable for use in I.E.S. Class 1,000, 10,000 and 100,000 clean room environments. Applications include cleanrooms, technical and biomedical labs, food processing/testing centers, kitchens and pharmaceutical labs.

Housing

Recessed housing consists of one-piece, code gauge, prime cold rolled steel. End plates are securely attached for sealed construction.

Finish

High gloss, electrostatically applied, white powder coat finish, average minimum reflectance 92%. Matte white anti-microbial paint also available.

Door Frame

Die formed, heavy gauge, flat extruded aluminum door with reinforced corners and baked white enamel finish.

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.

Gasket

One piece continuous gasket surrounds perimeter of lens to seal lens to door frame. Additional gasketing seals door to housing.

Ballast

Electronic Class P, CBM/ETL ballast.

Labels

UL/cUL listed for wet locations under covered ceilings.



CFDFA

1' x 4'

2' x 2'

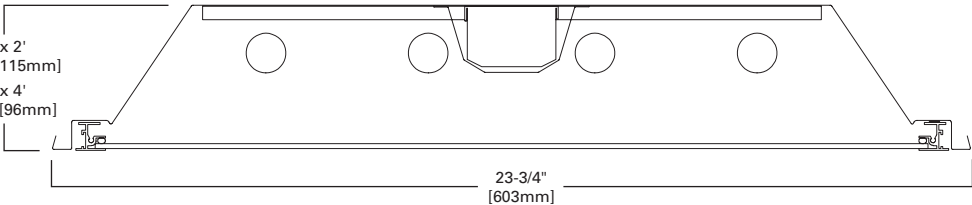
2' x 4'

Cleanroom

RECESSED GRID
Inset Flat Door
NEMA Type "G" Grid

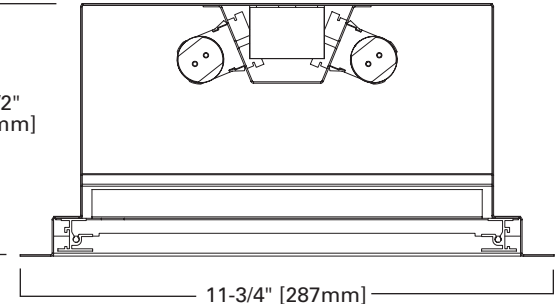
2' x 2' / 2' x 4'

2' x 2'
4-1/2" [115mm]
2' x 4'
3-3/4" [96mm]



1' x 4'

5-1/2"
[140mm]



RATINGS

UL/cUL listed
Wet location
Class 1,000
ISO 6-8
Anti-microbial (Optional)

ORDERING INFORMATION

SAMPLE NUMBER: CFDFA-432A125-277-EL4-EB81-U CFDFA-12-232A125-UNV-EB81-U										Accessories (Order Separately)	
Product Family	No. of Lamps	Wattage (Length)	Lens ²	Voltage	Options	Ballast	Options	Packaging			
CFDFA											
Series CFD=Fluorescent Grid, Flat Aluminum Door		A125= #12 Pattern Acrylic (0.125" Nominal thickness)		EL4= Emergency Battery Pack, 1 T8 lamp EL5= Emergency Battery Pack, 1 T5 or T5HO lamp GL= Internal Single Element Fusing GM= Internal Double Element Fusing		RIF1= Radio Interference Suppressor 15T= Compatible with 1 1/2" T-Grid Ceilings (2' x 4' only) ³ G3= Gasket applied to housing lip to seal against grid AM= Antimicrobial Finish MSC4= Mounting Safety Clips (4) and Hardware		U= Unit Pack (2' x 4' only)			
Door Frame [Blank]= 24" Wide 12= 12" Wide		A19/156= #19 Pattern Acrylic (0.156" Nominal thickness) KSH25 = Linear Ribbed Acrylic (0.115" thick) POLY12/125= #12 Pattern Polycarbonate (0.125" Nominal thickness) 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® 89CB= 0.187" Pattern 19 Acrylic 89BV= 0.125" Clear Acrylic 89BW= 0.125" Opal Acrylic, Smooth 89AV= 0.125" Pattern 12, Acrylic with RFI grid 89AG= 0.156" Pattern 19, Acrylic		EB81= (1) Ballast for use with T8 Lamp, Instant Start EB82= (2) Ballasts for use with T8 Lamp, Instant Start EB51= (1) Ballast for use with T5 Lamp EB52= (2) Ballasts for use with T5 Lamp ER81= (1) Ballast for use with T8 Lamp, Rapid Start ER82= (2) Ballasts for use with T8 Lamp, Rapid Start		MSC4-PK= Mounting Safety Clips (4) with hardware. Attach to ends of grid fixture with self tapping screws (included) to either secure fixture to grid or to attach tie-wiring to clips. DFCL-2448W-U= Fail-Safe 2' x 4' Drywall Framing Kit, White with Gasketing ⁵ DFCL-1248W-U= Fail-Safe 1' x 4' Drywall Flange Kit, White with Gasketing ⁵ DFCL-2424W-U= Fail-Safe 2' x 2' Drywall Framing Kit, White with Gasketing ⁵ Replace "W" with "AMW" for anti- microbial finish (DFCL-2448W-U to DFCL-2448AMW-U) DFCL Cut-out Dimensions 2x4: 24.25" x 48.25" 1x4: 12.25" x 48.25" 2x2: 24.25" x 24.25"					
2, 3, or 4 Lamps (2' x 2') 2, 3, 4, or 6 Lamps (2' x 4') 1, 2, or 3 Lamps (1' x 4')⁴											
1' x 4' / 2' x 4' 32=32WT8 28T5=28WT5 54T5=54WT5HO 2' x 2' 17=17WT8 14T5=14WT5 24T5=24WT5HO											