Fail-Safe

DESCRIPTION

The Fail-Safe CFR is designed for use in horizontal or non-laminar air flow clean rooms. The enclosed and gasketed housing and one-piece, outside flanged door protect against infiltration of airborne bacteria. The extruded aluminum inset door and the hole-free design of the housing prevent air exchange between the fixture and plenum, allowing relamping without contamination of the clean areas. UL/cUL listed for wet locations under covered ceiling.

Catalog #	Туре
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

Application

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

Fasteners

Machine screws secure through captive cagenuts in housing and are spaced to compress gasketing on all sides.

Housing

Die-formed, 20 ga. CRS with tightly butted and spot welded, sealed end caps. Contains no holes that would allow air passage.Standard white high reflectance polyester powder coat finish. Gloss: 85%; Reflectance: 93%; Hardness: 2H; Salt Spray: 500 Hours.

Finish

High gloss, electrostatically applied, white powder coat finish, average minimum reflectance 92%. 1000 hour salt spray test.

Hinge

Two braided, stainless steel cables on one side of door provide hinging.

Door

Fully gasketed, inset door with baked white polyester powder coat and withstands stringent cleaning and "wet location" conditions.

Gasket

White, closed cell, Flexiseal(TM) gasketing surrounds perimeter of lens to seal lens to door frame and around perimeter of door to seal door to housing.

Access

A gasketed access plate on top of the housing with two flattened, 7/8" diameter knockouts allows connection of vapor tight conduit fitting. Optional, above ceiling, top access door for luminaire maintenance is available and ideal for food processing and cleanroom applications. prisms positioned inside fixture and smooth surface on the outside for easy cleaning.

Lamps

(By Others)

Lens Retention

Unique, Particulock(TM) lens retention system utilizes continuous, 18 ga. media clampdowns to sandwich gasketing and integrate lens and door frame for even environmental seal.

Ballast

Electronic Class P, CBM/ETL ballast.

Listings

UL/cUL listed for wet location under covered ceiling.

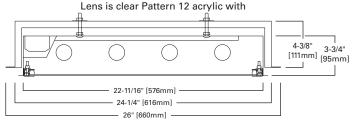


CFR24

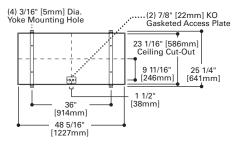
2x2 2x4 Cleanroom

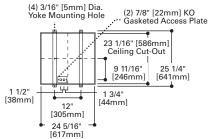
RECESSED FLANGE Inset Flat Door

Lens



MOUNTING DIMENSIONS





DOOR FRAME

Flange Type-Inset Door



ORDERING INFORMATION

SAMPLE NUMBER: CFR-24-332-277-IK12-EB81-GLR

Product Family	Grid Size	Lamp Type	Voltage	Lamp Type 4	Ballast	Door/Finish Options	Options
CFR=Fluorescent Flange Recessed	24		120=120V 277=277V 347=347V UNV=120V-277V	Electronic Ballasts ² EB51= (1) Ballast for use with T5 Lamp EB52=(2) Ballasts for use with T5 Lamp	Blank=Extruded aluminum, white powder coat paint ALX=Extruded aluminum, clear anodized finish	EL4=EM Pack, T8, BX EL5=EM Pack, T5, T5HO GLR=Fuse and Holder RIF=Radio Frequency Interference Filter TAD=Top Access Door 3	
2' Fixture Length T5 Fluorescent 214=(2) 14W Lamps 314=(3) 14W Lamps 414=(4) 14W Lamps 224=(2) 24W Lamps 324=(3) 24W Lamps 424=(4) 24W Lamps	T5 Flu 228=(328=(428=(254=(3354=(354=(ture Length Jorescent 2) 28W Lamps 3) 28W Lamps 4) 28W Lamps 2) 54W Lamps 3) 54W Lamps 4) 54W Lamps	Acrylic, 0.110" 1 IP12=Pattern 12 Prisr Polycarbonate, KSH25= Linear Ribbb 0.115" thick 93=Prismatic Temper 0.156" thick	thick matic 0.110" thick ed Acrylic, 1	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		AM=Anti-microbial matte white finish ⁶ Housing Options ALH=Die formed Aluminum powder coat painted white
T8 Fluorescent 217=(2) 17W Lamps 317=(3) 17W Lamps 417=(4) 17W Lamps 617=(6) 17W Lamps Biaxial Fluorescent 240BX=(2) 40W Lan 340BX=(3) 40W Lan 440BX=(4) 40W Lan	78 Flu 232=(63 332=(7432=(7432=(7432=(654=(6) 54W Lamps T8 Fluorescent 232=(2) 32W Lamps 332=(3) 32W Lamps 432=(4) 32W Lamps 632=(6) 32W La			prism pattern designed so till supply superior photometrics. manufacturing environments. brand and catalog number. entative for dimensional details. titonal lens choices.		