DESCRIPTION

The CFS is designed for use in non-laminar air flow clean rooms. This surface mounted clean room luminaire has a hole-free design and is enclosed and gasketed to protect against infiltration of particles and airborne bacteria. The sealed housing and door frame allow relamping without contamination of the clean areas. An emergency battery pack is available as an option. UL/cUL listed for wet locations, and manufactured in accordance with U.S.D.A. and F.D.A. All fixtures have been tested and reported in compliance with Federal Standard 209E, Class 100 (M3.5).

Catalog #	Туре
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

Application

The CFS 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

Flush mounted, stainless steel machine screws secure through captive cage nuts in housing and are evenly spaced to compress gasketing on all sides.

Housing

Die-formed, 20 ga. CRS with tightly butted and seam welded, sealed end caps. Contains no holes that would allow air passage.

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

One-piece, 18 ga., fully gasketed, outside door. with die-formed and beveled edges, eliminates seams that could entrap microscopic contaminants.

Gasket

White, closed cell, Flexiseal(TM) triple gasketing system surrounds perimeter of lens to seal lens to door frame and around perimeter of door to seal door to housing. Sealing from fixture to ceiling by others.

Access

A gasketed access plate on top of the housing with two flattened, 7/8" diameter knockouts allows connection of vapor tight conduit fitting.

Lens

One-piece, clear Pattern 12 acrylic lens with internal prism pattern. Choice of prismatic acrylic, prismatic polycarbonate, Radialens or prismatic tempered glass on environmental side. See Lens Options.

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.

Labels

UL/cUL listed for wet locations under covered ceiling.



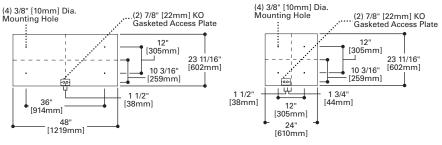
CFS24

2x2 2x4 Cleanroom

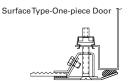
SURFACE Overlapping Door



MOUNTING DIMENSIONS



DOOR FRAME





ORDERING INFORMATION

SAMPLE NUMBER: CFS-24-432-120-IP12-EB82-SSP-EL4

