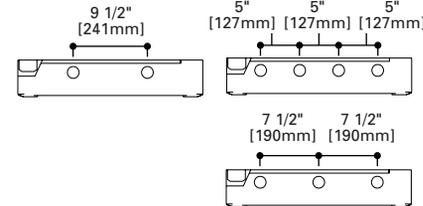# FAIL-SAFE®

CFSLP

14W-216W
Fluorescent

1' x 2', 1' x 4', 2' x 2', 2' x 4'
**FLUORESCENT SURFACE
ONE-PIECE DOOR
T5 LAMP TECHNOLOGY
T8 LAMP TECHNOLOGY**

- Lens is clear extruded with prisms positioned inside fixture and smooth surface on the outside for easy cleaning

- Flush mounted, stainless steel machine screws

- Die-formed, 20 ga. CRS housing contains no holes . Standard white high reflectance polyester powder coat finish

- Unique, Particulock™ lens retention system utilizes continuous, 18 ga. media clampdowns

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

- One-piece, 18 ga., fully gasketed, outside door with die-formed and beveled edges

- Standard, Class P, CBM/ETL ballast

- White, closed cell, Flexiseal™ gasketing system

- Gasketed access plate with two flattened, 7/8" diameter knockouts

DESCRIPTION

The Fail-Safe CFS Series 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. These luminaires are U.L. listed and C.S.A. certified for wet locations and are 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) and above. **200 PSI hose down rating is standard**. The CFS Series is suitable for use in I.E.S. Class 100, 1,000, 10,000 and 100,000 clean room environments.

LAMP CONFIGURATIONS

DIMENSIONS

ORDERING INFORMATION

SAMPLE NUMBER: CFSLP-24-432-120-IP12-EB82

Series
CFSLP= Fluorescent Surface Type
CFS12CR⁴= Fluorescent Corrosion Resistant
CFS24CR⁴= Fluorescent Corrosion Resistant

Width
12=12"
24=24"

Lamp Type
2' Nom. Length
T5 Fluorescents
114=(1) 14W Lamp
214=(2) 14W Lamps
314=(3) 14W Lamps
414=(4) 14W Lamps
124=(1) 24W HO Lamp
224=(2) 24W HO Lamps
324=(3) 24W HO Lamps
424=(4) 24W HO Lamps

T8 Fluorescents
117=(1) 17W Lamp
217=(2) 17W Lamps
317=(3) 17W Lamps
417=(4) 17W Lamps
2U6T8=(2) 32W Lamps
2U15/8=(2) 31W Lamps
3U15/8=(3) 31W Lamps

Biaxial Fluorescents
140BX=(1) 40W Lamps
240BX=(2) 40W Lamps
340BX=(3) 40W Lamps

4' Nom. Length
T5 Fluorescents
128=(1) 28W Lamp
228=(2) 28W Lamps
328=(3) 28W Lamps
428=(4) 28W Lamps
154=(1) 54W HO Lamp
254=(2) 54W HO Lamps
354=(3) 54W HO Lamps
454=(4) 54W HO Lamps

T8 Fluorescents
132=(1) 32W Lamps
232=(2) 32W Lamps
332=(3) 32W Lamps
432=(4) 32W Lamps

Voltage
120=120V
277=277V
347=347V
UNV=120V through 277V

Lens Type
IK12=K-12 Prismatic Acrylic
IP12=K-12 Prismatic Polycarbonate
KSH25¹=Bat Wing Distribution
93=Prismatic Tempered Glass

Ballast
LEOC8=Energy Saving Ballast for use with T8 Lamp
LE3=Energy Saving Ballast ⁵

Electronic Ballast ²
EB81=(1) Ballast for use with T8 lamp
EB82=(2) Ballasts for use with T8 lamps
EBX1=(1) Ballast for use with Biaxial Lamp
EBX2=(2) Ballasts for use with Biaxial Lamps
EB51=(1) Ballast for use with T5 lamp
EB52=(2) Ballasts for use with T5 lamps

Door/Finish Options
Blank=Standard, CRS with baked white finish
SSN=Stainless Steel Door/ Brushed 304 Finish
SSP=Stainless Steel Door/ Polyester Powder Coat Finish
ALP=Aluminum Door/ Polyester Powder Finish
ALX=Extruded Aluminum / Anodized ³
ALXP=Extruded Aluminum/ Polyester Powder Coat Finish ³

Options
EBP=Emergency Battery Pack
GLR=Fuse and Holder
RIF=Radio Frequency Interference Filter
SF1=TORX® - Head Fastener (center pin reject)⁵

Housing Options
SHN=Stainless Steel, Brushed 304 Finish
SHP=Stainless Steel, Polyester Powder Finish
ALH=Aluminum, Polyester Powder Finish

Accessories (Order Separately)
VRSD=TORX® -Head Vandal Resistant Screwdriver ⁶

Notes: For additional options, consult your Cooper Lighting Representative. Specifications and Dimensions subject to change without notice. Electronic ballast may cause interference with other electronic devices. If interference occurs, move the device away from the product or plug/connect into a different circuit/outlet.
¹ The KSH25 provides improved visual performance and wide angle distribution. This lens has an integral prism pattern designed so that prisms face the lamp cavity and still supply superior photometrics. Highly recommended for all high tech manufacturing environments. ² For specific electronic ballast, specify brand and catalog number. ³ Not rated for 200 PSI hose down. ⁴ Housing and door will ship with Brushed Finish. SSN and SSH do not need to be specified with CR option. ⁵ Available with CR option only. ⁶ Only required if using SF1 option.