

# FAIL-SAFE®



## CFSLP

**1 4 W - 2 1 6 W**  
Fluorescent

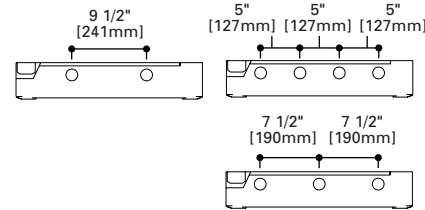
1' x 2', 1' x 4', 2' x 2', 2' x 4'  
FLUORESCENT SURFACE  
ONE-PIECE DOOR  
T5 LAMP TECHNOLOGY  
T8 LAMP TECHNOLOGY

- 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



### ORDERING INFORMATION

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

<p><b>Series</b> CFSLP= Fluorescent Surface Type CFS12CR 1/2= Fluorescent Corrosion Resistant CFS24CR 1/2= Fluorescent Corrosion Resistant</p>	<p><b>Width</b> 12=12" 24=24"</p>	<p><b>Voltage</b> 120=120V 277=277V 347=347V UNV=120V through 277V</p>	<p><b>Ballast</b> 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</p>	<p><b>Door/Finish Options</b> 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</p>	<p><b>Options</b> EBP=Emergency Battery Pack GLR=Fuse and Holder RIF=Radio Frequency Interference Filter SF1=TORX® - Head Fastener (center pin reject) 5 <b>Housing Options</b> SHN=Stainless Steel, Brushed 304 Finish SHP=Stainless Steel, Polyester Powder Finish ALH=Aluminum, Polyester Powder Finish</p>
<p><b>Lamp Type</b> 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</p>	<p><b>Biaxial Fluorescents</b> 140BX=(1) 40W Lamps 240BX=(2) 40W Lamps 340BX=(3) 40W Lamps <b>4' Nom. Length T5 Fluorescents</b> 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 <b>T8 Fluorescents</b> 132=(1) 32W Lamps 232=(2) 32W Lamps 332=(3) 32W Lamps 432=(4) 32W Lamps</p>	<p><b>Lens Type</b> IK12=K-12 Prismatic Acrylic IP12=K-12 Prismatic Polycarbonate KSH25 1/2=Bat Wing Distribution 93=Prismatic Tempered Glass</p>	<p><b>Accessories</b> (Order Separately) VRSD=TORX® -Head Vandal Resistant Screwdriver 6</p>		

**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.

<sup>1</sup> 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. <sup>2</sup> For specific electronic ballast, specify brand and catalog number. <sup>3</sup> Not rated for 200 PSI hose down. <sup>4</sup> Housing and door will ship with Brushed Finish. SSN and SSH do not need to be specified with CR option. <sup>5</sup> Available with CR option only. <sup>6</sup> Only required if using SF1 option.

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