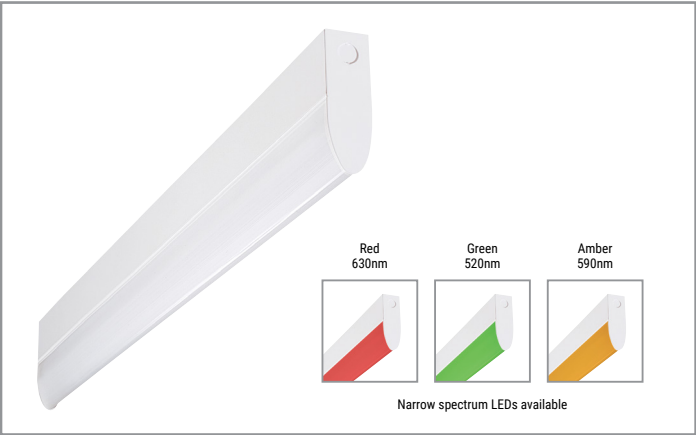


Project		Catalog #		Type	
Prepared by		Notes		Date	



Fail-Safe

CFA

Surface Cleanroom
Laminar Flow / Teardrop
ISO3-8
2' - 8' Length

Typical Applications

Cleanrooms • Technical and Biomedical Labs • Pharmaceutical Labs • Food Processing • Testing Centers • Patient Rooms • Bathrooms

Interactive Menu

- Order Information [page 2](#)
- Nominal Input Watts/Delivered Lumens [page 3](#)
- Product Warranty

Product Certification



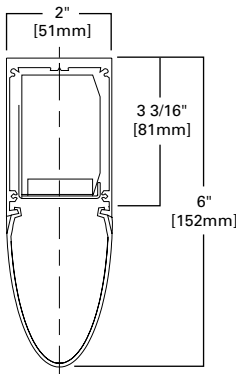
Product Feature



Top Product Features

- Suitable for use in Class 1 environments (ISO3-8)
- Extruded aluminum housing, anti-microbial matte white paint
- Steel endplates secured with 4 flush screws each end, painted to match finish
- Endplate gasket for tight seal
- Available 2000K, 3000K, 3500K, 4000K, 5000K
- Green, red, or amber LEDs available, narrow spectrum
- Ribbed opal lens, internal prisms, for easy wipedown
- Removable modular power tray for ease of installation
- Custom colors available, see ordering information, [page 2](#)
- Options to meet Buy American and other domestic preference requirements

Dimensional and Mounting Details



additional
product diagrams

Order Information

SAMPLE ORDER NUMBER: CFA-4-LD4-1HI-35-UNV-OPL-EDC1
 CFA-8-LD4-1LO-20-UNV-OPL-ED1D1-DP
 CFA-4-LD4-1STD-A59-UNV-OPL-EDD1-BK

Domestic Preferences	Product Family	Length	LED	No. of LED Modules	Illumination Level	Color Temperature	Voltage
Domestic Preferences ⁽¹⁾	Product Family	Length ⁽²⁾	LED	No. of LED Modules in Cross-section	Illumination Level	Color Temperature	Voltage
[Blank] =Standard BAA =Buy American Act	CFA =Cleanroom Laminar Air Flow	2 =2' Length 3 =3' Length 4 =4' Length 8 =8' Length	LD4 =LED 4.0	1 =(1) LED Module in Cross-section	LO =Low STD =Standard HI =High XHI =High, Extra ^{(5), (6)}	20 =2000K 30 =3000K 35 =3500K 40 =4000K 50 =5000K R63 =Red LED, 630nm G52 =Green LED, 520nm A59 =Amber LED, 590nm	UNV =Universal Voltage 120V-277V
Notes (1) Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.		Notes (2) EL7W on 4ft and 8ft lengths only.			Notes (5) 4' length, nominal 5900 delivered lumens, 8' delivers ~11,800 lumens. (6) XHI not available in 2' or 3'.	Notes 80 CRI standard (2000K - 5000K). 90 CRI available (3000K - 5000K).	

Lens Type	Driver	Finish	Options
Lens Type	Driver	Finish	Options
OPL =Opal Acrylic	EDC1 =Electronic Driver, single circuit, non-dimming EDD1 =Electronic Driver, single circuit, 0-10V, 10% dimming ED1D1 =Electronic Driver, single circuit, 0-10V, 1% dimming SLTD =Fifth Light DALI Driver	[Blank] =Anti-microbial matte white paint GW =Gloss white paint BK =Black DP =Dark Platinum	EL7W =7W Emergency Battery Pack ⁽³⁾ 90 =90 CRI ⁽⁴⁾
		Notes Custom colors available. Please specify RAL number or paint manufacturer/color designation. Flush end plate screws are painted to match housing/endplate color.	Notes (3) EL7W on 4ft and 8ft lengths only. (4) 90 CRI available 3000K, 3500K, 4000K, and 5000K only.

Product Specifications

Application

- Designed for use in vertical, laminar air flow cleanrooms
- Also use as a functional, stylish surface mount fixture; on the ceiling or wall, over the vanity or on both sides of the vanity, or for accent illumination in the patient room

Housing/Endplate

- The narrow, airfoil design minimizes turbulence in cleanrooms that require a uni-directional air flow
- Corrosion-resistant extruded aluminum housing is enclosed and gasketed, and is 2" wide
- Steel endplates secured to housing with countersunk philips head screws
- Anti-microbial matte white finish standard. Gloss white available. Customer colors available, consult factory. Specify RAL number or paint manufacturer/color designation.

Gasket

- Die-formed, one piece gasket on the endplates ensure a consistent, positive seal between the lens and endplate

Lens

- One-piece opal extruded, acrylic lens with internal horizontal prism pattern
- Lens utilizes internal refractors providing concise optical control while providing a smooth environmental side
- Smooth exterior for easy cleaning and wipe-down

LED

- LEDs available in 2000K, 3000K, 3500K, 4000K, 5000K with minimum 80 CRI. 90 CRI available in 3000K, 3500K, 4000K, and 5000K.
- Also available narrow spectrum green (520nm), red (630nm), and amber (590nm)
- Projected life is 50,000 hours at 70% lumen maintenance

Transformer/Driver

- Electronic, 0-10V dimming standard, 10%, 1%, dimming available

Power Tray

- Removable modular tray constructed of 18 gauge, painted white steel
- Removable power tray facilitates quick and easy maintenance and installation

Compliance/Listings

- UL/cUL listed for wet locations standard
- Suitable for Class 1 (ISO 3-8)

Warranty

- Five year limited warranty on LEDs and Electrical, consult website for details.
www.cooperlighting.com/legal

Nominal Input Watts/Delivered Lumens

[View IES files](#)

Approximate Delivered Lumens (4000K)

Length	Setting	Nominal Input Watts	Nominal Delivered Lumens
2'	LO	13	1219
	STD	18	1622
	HI	22	1996
3'	LO	21	2250
	STD	27	2797
	HI	33	3361
4'	LO	26	2534
	STD	36	3399
	HI	44	4183
	XHI	56	5900
8'	LO	52	5066
	STD	72	6796
	HI	88	8362
	XHI	112	11800

Approximate Lumen Multiplier (Red / Green / Amber LEDs)

Color	Multiplier from White 4000K
White, 4000K	1.00
Red, 630nm	0.30
Green, 520nm	0.71
Amber, 590nm	0.25

Dimensional and Mounting Details

