Project		Catalog #		Type	
Prepared by		**Notes**		**Date**	

Red 630nm Green 520nm Amber 590nm

Narrow spectrum LEDs available
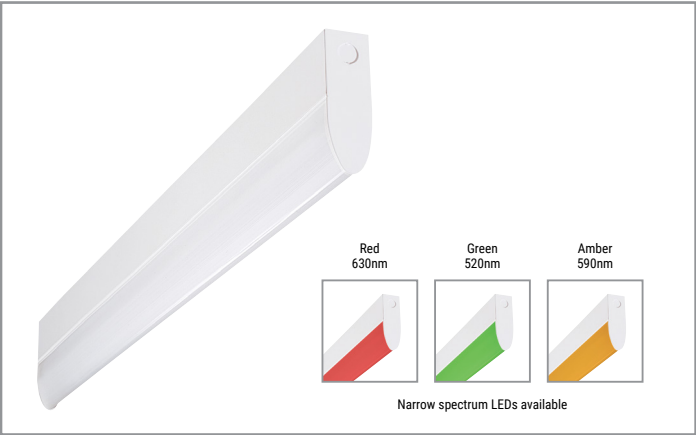
Fail-Safe

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

Product Certification

UL CERTIFIED   ISO3-8 CLEANROOM   BSL 1-2   USP 797 800   ISO SYSTEMS CERTIFIED

Product Feature

wet location   RoHS COMPLIANT   IALD LIRC   BAA BUY AMERICAN ACT AVAILABLE   16 Architectural Colors See page 2 for details

LINEAR DISCONNECT
Designed to provide safe and convenient means of disconnecting power

Interactive Menu

Top Product Features

- Suitable for use in Class 1 environments (ISO3-8 & BSL 1-2)
- 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
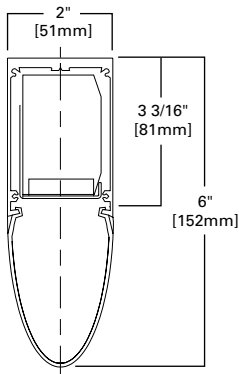- Options to meet Buy American and other domestic preference requirements

Dimensional and Mounting Details

2" [51mm]
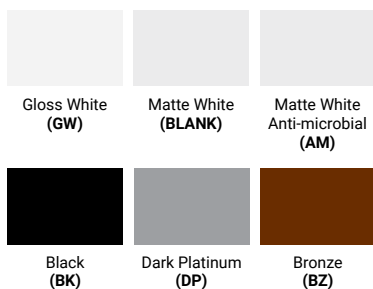
3 3/16" [81mm]

6" [152mm]

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 (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 (3), (4)	**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** (3) 4' length, nominal 5900 delivered lumens, 8' delivers ~11,800 lumens. (4) XHI not available in 2' or 3'.	**Notes** 80 CRI standard (2000K - 5000K). 90 CRI available (3000K - 5000K).	

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 **5LTD**=Fifth Light DALI Driver	**[Blank]**=Anti-microbial matte white paint **GW**=Gloss white paint **BK**=Black **DP**=Dark Platinum	**EL7W**=7W Emergency Battery Pack (5) **90**=90 CRI (6) **Standard Colors** **[Blank]**=Matte White **AM**=Antimicrobial Matte White **GW**=Gloss White **DP**=Dark Platinum, Satin Finish **BK**=Black, Satin Finish **BZ**=Bronze **Architectural Colors** **TCB**=Terra Cotta Brick **MRR**=Merlot Red **PMK**=Pumpkin **GLD**=Goldenrod **SGG**=Sage Green **EVG**=Evergreen **CBL**=Coastal Blue **NTB**=Night Blue **UMB**=Ultramarine Blue **PPV**=Purple Violet **NTN**=Neutral Tan **DBG**=Dark Beige **CRM**=Cream **SLG**=Silver Grey **OLG**=Olive Green **MHB**=Mahogany Brown **RALxxxx**=RAL Number Color (7)
		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** (5) EL7W on 4ft and 8ft lengths only. (6) 90 CRI available 3000K, 3500K, 4000K, and 5000K only. (7) Replace XXXX with unique 4 digit RAL number. Please contact Fail-Safe Tech for a list of additional finish swatches.

Fail-Safe Standard Colors

Gloss White **(GW)**

Matte White **(BLANK)**

Matte White Anti-microbial **(AM)**

Black **(BK)**

Dark Platinum **(DP)**

Bronze **(BZ)**

Fail-Safe Architectural Colors

Terra Cotta Brick **(TCB)** RAL 3020

Merlot Red **(MRR)** RAL 3005

Pumpkin **(PMK)** RAL 2004

Goldenrod **(GLD)** RAL 1003

Sage Green **(SGG)** RAL 6019

Evergreen **(EVG)** RAL 6001

Coastal Blue **(CBL)** RAL 5015

Night Blue **(NTB)** RAL 5022

Ultramarine Blue **(UMB)** RAL 5002

Purple Violet **(PPV)** RAL 4007

Neutral Tan **(NTN)** RAL 7032

Dark Beige **(DBG)** RAL 7006

Cream **(CRM)** RAL 9001

Silver Gray **(SLG)** RAL 7001

Olive Green **(OLG)** RAL 6003

Mahogany Brown **(MHB)** RAL 8016

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.
- Electrostatically applied, matte white powder coat finish; gloss white, silver, black, bronze, dark platinum available; Custom colors available (supply RAL number, paint chips, or paint manufacturer catalog number). 16 architectural colors available.

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

Transformor/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)
- Meets BSL 1-2 when specified in catalog logic.

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	1116
	STD	18	1484
	HI	22	1826
3'	LO	21	2059
	STD	27	2560
	HI	33	3076
4'	LO	26	2319
	STD	36	3111
	HI	44	3828
	XHI	56	5399
8'	LO	52	4636
	STD	72	6219
	HI	88	7652
	XHI	112	10799

Approximate Lumen Multiplier for LEDs

Color	Multiplier from White 4000K
White, 4000K	1.00
Red, 630nm	0.32
Amber, 590nm	0.27
Green, 520nm	0.78

Dimensional and Mounting Details

2FT

3.00in
76.20mm

8.97in
227.81mm

8.97in
227.81mm

2.00in
50.80mm

1.00in
25.40mm

0.16in
4.14mm

23.94in
608.03mm

3FT

4.00in
101.60mm

14.00in
355.60mm

13.94in
354.03mm

2.00in
50.80mm

1.00in
25.40mm

0.188in
4.78mm

35.938in
912.83mm

4FT

4.00in
101.60mm

20.00in
508mm

19.94in
506.43mm

2.00in
50.80mm

1.00in
25.40mm

0.188in
4.78mm

47.94in
1217.63mm

8FT

4.00in
101.60mm

40.00in
1016mm

4.00in
101.60mm

3.94in
100.03mm

40.00in
1016mm

2.00in
50.80mm

1.00in
25.40mm

0.188in
4.78mm

95.94in
2436.83mm

2"
[51mm]

3 3/16"
[81mm]

6"
[152mm]