

FALCON

A 2in aperture linear that goes where the design needs it: surface, suspended or wall mounted. FALCON offers switchable CCT of 30/35/40K or 30/40/50K in 2, 4 and 8ft lengths, in black or white, on a 120-347V input.

Art Galleries

Office

Retail Stores

Hospitality



Project Information

Type: Date:
 Project:
 Catalog #:
 Notes:



Key Specifications

Electrical

Input voltage	120-277/347V
Power factor	> 0.9
THD	< 20%
Dimming	0-10V · 1% dim
Power	18W · 36W · 72W

Optical

CRI	80 CRI
CCT	Switchable 30/35/40K or 30/40/50K
Efficacy	~88-108lm/W
Optics	Polycarbonate lens
Distribution	110°

Physical

Length	2ft · 4ft · 8ft
Aperture	2in
Mounting	Surface · Suspended · Wall
Fixture finish	Black · White
Ambient	-20°C to 45°C
Accessories	Emergency battery

Certifications

Listings	cETLus · RoHS
Warranty	5 years
Lumen maintenance	L75B50 at 50000h

System Warranty

5 years

Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

Lumen Maintenance

L75B50 at 50000h

Rated for 70% initial lumen output at 50000h of operation, operated at 25°C ambient temperature; 50% lamp maintaining rate at 50000h; per guidelines published by the Illuminating Engineering Society (IES).

Ordering Guide - Fixture

Assembled Catalog Number

[RESET](#)

AE-SF-FA

01 **FIXTURE FAMILY**

AE-SF-FA

FALCON

02 **LENGTH | POWER**

18

W

-2-18W

2ft | 18W |
1950lm

36

W

-4-36W

4ft | 36W |
3850lm

72

W

-8-72W

8ft | 72W |
7700lm

03 **VOLTAGE**

347

V

-CA

120-277/347V

04 **CONTROLS**

010

0-10V Dimming

05 **CCT**

30/35/40

3000/3500/4000K selectable

30/40/50

3000/4000/5000K selectable

06 **FINISH**



WH

White



BK

Black

07 **MOUNTING**

SMT

Surface Mount

AIR

Suspended

AIRLINK

Suspended with link

WM

Wall mount

08 **DIMMING**

Blank

Down to 10%

-1DIM

Down to 1%

Suspended mounting comes with one round canopy, 2x5' aircraft cables for 2ft and 4ft and 3 aircraft cables for 8ft and 6ft power cord.

Suspended with link mounting comes with one link, 2x5' aircraft cables for 2ft and 4ft and 3 aircraft cables for 8ft.

Wall mount comes with 2 wall mount brackets for all sizes.

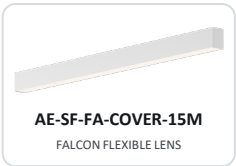
Accessory Ordering Guide

Continuous run lens cover

Assembled Catalog Number

AE-SF-FA-COVER-15M

01 **FIXTURE FAMILY**



FALCON LINK KIT

Assembled Catalog Number

AE-SF-FA-LINK-KIT

01 **FIXTURE FAMILY**



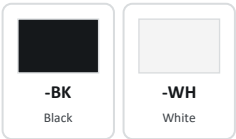
LINEAR WALL MOUNT KIT

Assembled Catalog Number

[RESET](#)

AE-SF-WMB

01 **FINISH**



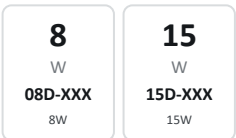
Emergency battery backup

Assembled Catalog Number

[RESET](#)

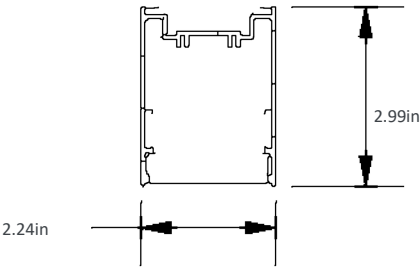
BLD-YT

01 **POWER**

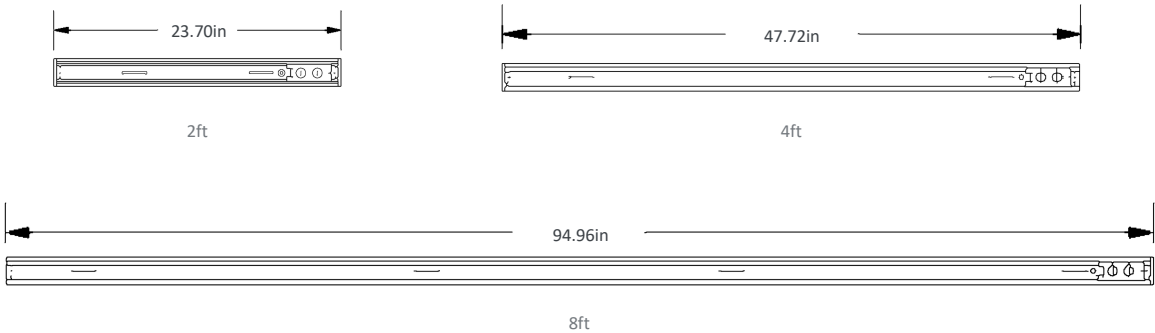


Dimensions

SIZE	LENGTH	WIDTH	HEIGHT
2ft	23.70in	2.24in	2.99in
4ft	47.72in	2.24in	2.99in
8ft	94.96in	2.24in	2.99in

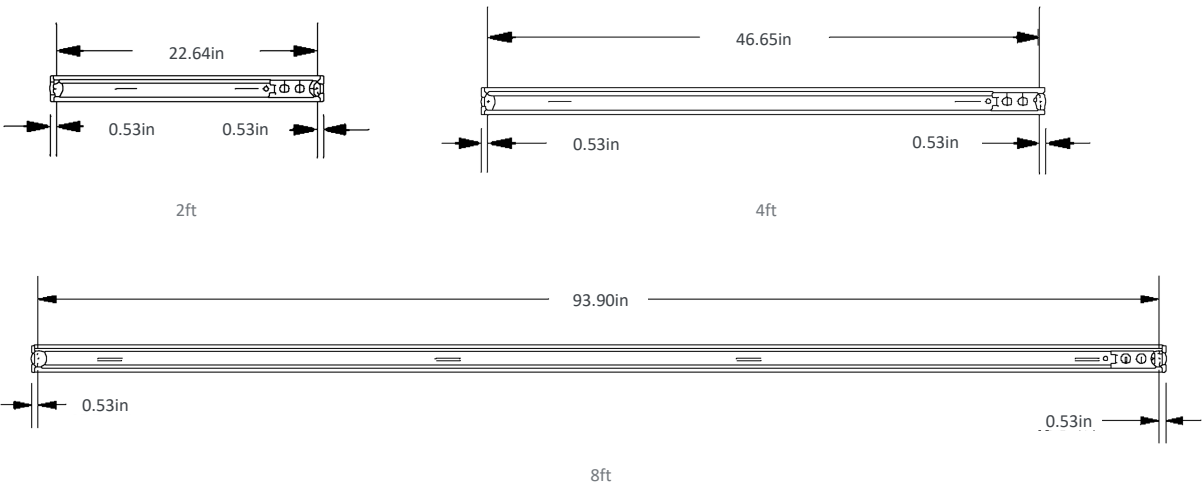
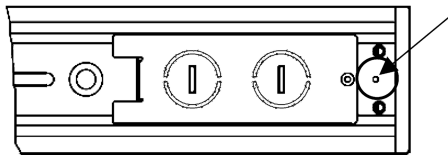


Top view



Aircraft cable locations

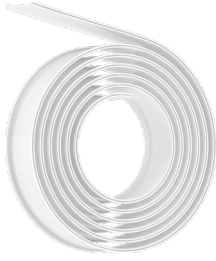
SIZE	CABLE SPACING	FROM END
2ft	22.64in	0.53in
4ft	46.65in	0.53in
8ft	93.90in	0.53in



[Install Instruction link](#)

Accessories

Continuous run and mounting



AE-SF-FA-COVER-15M

Flexible lens cover

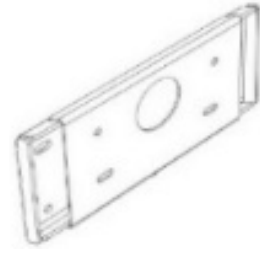
49ft flexible lens used for continuous runs. Seamless connection.



AE-SF-FA-LINK-KIT

Link kit

Link kit used for continuous runs. Seamless connection.



AE-SF-WMB-WH

Wall mount kit

Wall mount kit used for linear fixture installation on walls. Black: AE-SF-WMB-BK.

Emergency LED Driver

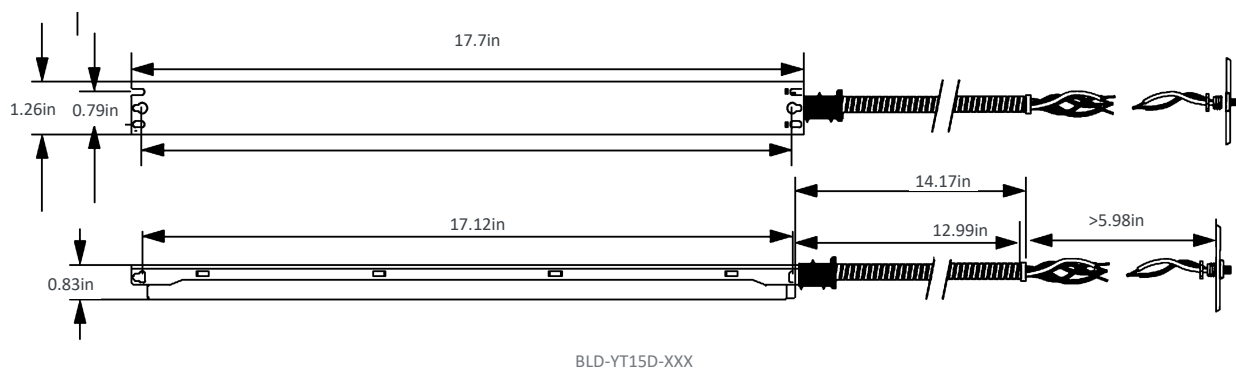
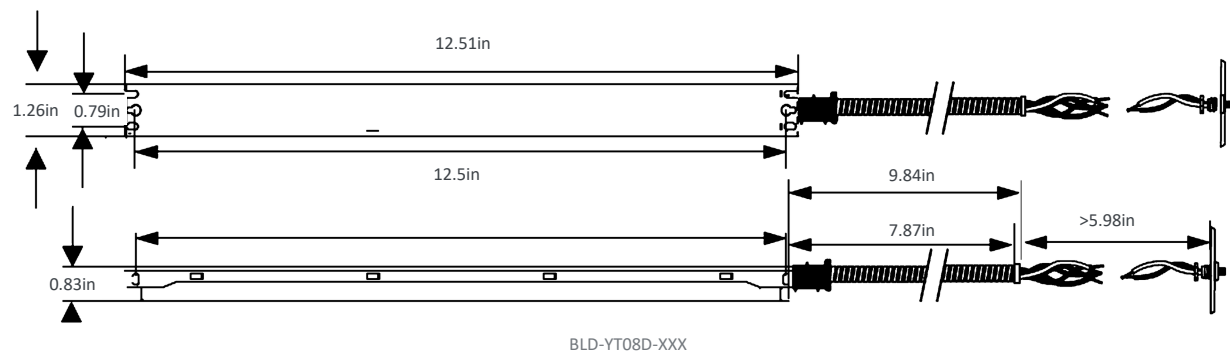
Emergency LED driver — BLD-YT08D-XXX · BLD-YT15D-XXX



The BLD-YTXXD-XXX series LED emergency driver is UL listed for field and factory installations. It switches to emergency mode during power failures, providing up to 90min of lighting. With an integrated battery, charger and converter, it delivers 8W or 15W constant power at 30-60V DC. Its slim shape is ideal for use in linear LED lighting fixtures.

Input voltage	30-60V DC
Power frequency	50/60Hz
Output voltage	30-60V DC
Output power	8W 15W
Ambient temperature	0°C to 50°C · 30°F to 122°F
Installation	Integrated

Dimensions

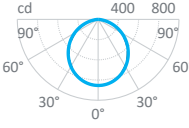


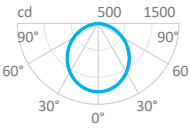
Photometric Data

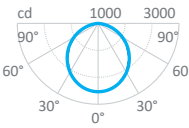
Lumen Estimate Adjustment Factors

3000K × **0.94** 3500K × **0.97** 4000K × **1** 5000K × **1.03**

Premium (90CRI). Lumen output varies based on CCT and CRI; multiply by the factor for the CCT ordered.

AE-SF-FA-2-18W-CA010		ZONE	LUMENS	% FIXTURE		DISTANCE	CENTER Fc	BEAM WIDTH	
2ft · 18W · 3000K									
		0-20°	237.24	13.47		1.7ft	226	4.7ft	4.6ft
Wattage	18W	0-30°	499.97	28.39		3.3ft	60.0	9.2ft	8.9ft
CCT	3000K	0-40°	811.89	46.10		5.0ft	26.1	14.0ft	13.5ft
Distribution	110°	0-60°	1413.05	80.23		6.7ft	14.6	18.7ft	18.1ft
Length	2ft	0-80°	1736.69	98.61		8.3ft	9.49	23.2ft	22.5ft
		0-90°	1761.19	100.00		10.0ft	6.54	27.9ft	27.1ft
						Vert. spread		108.8°	
						Horiz. spread		107.1°	

AE-SF-FA-4-36W-CA010					DISTANCE	CENTER Fc	BEAM WIDTH	
4ft · 36W · 3000K								
	ZONE	LUMENS	% FIXTURE					
Wattage	36W	0-20°	460.10	13.47	1.7ft	439	4.7ft	4.6ft
		0-30°	969.64	28.39	3.3ft	116	9.2ft	8.9ft
CCT	3000K	0-40°	1574.59	46.10	5.0ft	50.7	14.0ft	13.5ft
Distribution	110°	0-60°	2740.48	80.23	6.7ft	28.2	18.7ft	18.1ft
Length	4ft	0-80°	3368.16	98.61	8.3ft	18.4	23.2ft	22.5ft
		0-90°	3415.67	100.00	10.0ft	12.7	27.9ft	27.1ft
					Vert. spread			108.8°
				Horiz. spread			107.1°	

AE-SF-FA-8-72W-CA010					DISTANCE	CENTER Fc	BEAM WIDTH	
8ft · 72W · 3000K								
Wattage	72W	0-20°	920.21	13.47	1.7ft	877	4.7ft	4.6ft
CCT	3000K	0-30°	1939.28	28.39	3.3ft	233	9.2ft	8.9ft
Distribution	110°	0-40°	3149.19	46.10	5.0ft	101	14.0ft	13.5ft
Length	8ft	0-60°	5480.97	80.23	6.7ft	56.5	18.7ft	18.1ft
		0-80°	6736.33	98.61	8.3ft	36.8	23.2ft	22.5ft
		0-90°	6831.34	100.00	10.0ft	25.4	27.9ft	27.1ft
					Vert. spread			108.8°
					Horiz. spread			107.1°