

FALCON



LINEAR LED LIGHT

Architectural Linear | 2" Aperture

The Falcon series is a linear light fixture that comes in two mounting options surface or suspended. It features CCT switchable options of 30/40//50K, or 30/35/40K, and is available in finishes of Black and White. With lengths of 2, 4, and 8 feet, it meets various design needs while delivering up to 130 LPW. Additionally, this luminaire operates at a versatile voltage range of 120-347V.

Applications: Art Galleries | Office | Retail Stores | Hospitality.

	DATE	QTY	ACC. QTY	TYPE
PROJECT				
PN				
ACCESSORY PN				
NOTES				



DYNAMIC MENU

Order Information	Page 2
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[Install Instruction link](#)



SPECIFICATIONS

Input Voltage	120-277/347V
Power Factor	>0.9
Total Harmonic Distortion	<20%
Dimming	0-10V dimming
CRI	80 CRI
CCT	<div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">30K</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">35K</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">40K</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">50K</div> </div>
Efficacy	~88-108 lm/W
Length	<div style="display: flex; gap: 20px;"> <div style="border: 1px solid black; padding: 2px 5px;">2'</div> <div style="border: 1px solid black; padding: 2px 5px;">4'</div> <div style="border: 1px solid black; padding: 2px 5px;">8'</div> </div>
Power	<div style="display: flex; gap: 20px;"> <div style="border: 1px solid black; padding: 2px 5px;">18W</div> <div style="border: 1px solid black; padding: 2px 5px;">36W</div> <div style="border: 1px solid black; padding: 2px 5px;">72W</div> </div>
Ambient Temperature Range	-20°C to 45°C
Mounting Options	<div style="display: flex; gap: 20px;"> <div style="border: 1px solid black; padding: 2px 5px;">Surface</div> <div style="border: 1px solid black; padding: 2px 5px;">Suspended</div> </div>
Fixture Finish	Black White <div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; background-color: black;"></div> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; background-color: white;"></div> </div>
Optics	Polycarbonate Lens
Distribution	

PRODUCT FEATURES



PRODUCT CERTIFICATIONS



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 a thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

LUMEN MAINTENANCE – L75B50 at 50,000 hours

Rated for 70% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; 50% lamp maintaining rate at 50,000 hours; per guidelines published by the Illuminating Engineering Society (IES).

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ORDERING GUIDE

AE-SF-FA-		-CA	010			
AE-SF-FA- ERALUX FALCON Linear Architectural Fixture	2 -18W 2ft 18W 1,950 lm 4 -36W 4ft 36W 3,850 lm 8 -72W 8ft 72W 7,700 lm C Continuous length increment of 2ft (Select or type the length then click on 'C')	-CA 120-277/347V	010 0-10V Dimming	30/35/40 3000/3500/4000K selectable 30/40/50 3000/4000/5000K selectable	WH White BK Black	SMT Surface AIR¹ Suspended AIRLINK² Suspended with link WM³ Wall mount

Fixture Family	Length Power	Input Voltage	Control	CCT	Finish	Mounting
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NOTES	<ol style="list-style-type: none"> Suspended mounting comes with one round canopy, 2x5' aircraft cables for 2' and 4' and 3 aircraft cables for 8' and 6' power cord. Suspended with link mounting comes with one link, 2x5' aircraft cables for 2' and 4' and 3 aircraft cables for 8'. Wall mount comes with 2 wall mount brackets for all sizes.
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ORDERING GUIDE-ACCESSORIES

AE-SF-FA- ERALUX FALCON Linear Architectural Fixture	COVER-15M 49ft Flexible lens cover for continuous runs
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Fixture Family	ACCESSORY
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ORDERING GUIDE-EMBB

[Blank] No Emergency Battery Back up BLD-YTO8D-XXX 8W Integrated Battery Back Up BLD-YT15D-XXX 15W Integrated Battery Back Up

EMBB

CAUTION	If there are multiple fixtures connected to the same 0-10V dimming line, a 0-10V controller must be considered to enable consistent dimming across the fixtures. Failure to do so will lead to inconsistent dimming and behaviors in the fixtures. Single switch is not recommended for controlling multiple fixtures simultaneously.
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DIMENSIONS

SIZE	TOP VIEW	SIDE VIEW
2FT		
4FT		
8FT		

SIZE



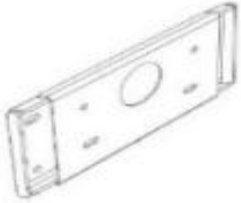


AIRCRAFT CABLES LOCATION

2FT		
4FT		
8FT		

ACCESSORIES

CONTINUOUS RUN ACCESSORIES

ORDER CODE	DESCRIPTION	PICTURE
AE-SF-FA-COVER-15M	49ft Flexible lens Used for continuous run Seamless connection	
AE-SF-FA-LINK-KIT	Link Kit used for continuous runs Seamless connection	
AE-SF-WMB-WH	White wall mount kit used for linear fixtures installation on walls	
AE-SF-WMB-BK	Black wall mount kit used for linear fixtures installation on walls	

EMERGENCY LED DRIVER

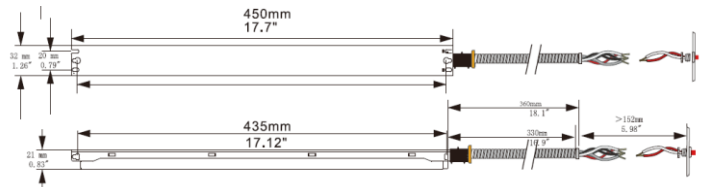
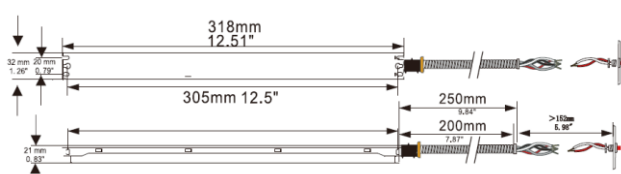
BLD-YT08D-XXX

BLD-YT15D-XXX



SPECIFICATIONS	
Input Voltage	30-60VDC
Power Frequency	50/60HZ
Output Voltage	30-60VDC
Output Power	8W 15W
Ambient Temperature	0°C to 50°C
	30°F to 122°F
Installation	Integrated

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 90 minutes of lighting. With an integrated battery, charger, and converter, it delivers 8 or 15W constant power at 30-60VDC. Its slim shape is ideal for use in linear LED lighting fixtures.



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LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

LUMEN ESTIMATE ADJUSTMENT FACTORS

CCT	3000K	3500K	4000K	5000K
PREMIUM (90CRI)	0.94	0.97	1	1.03

PHOTOMETRIC DATA

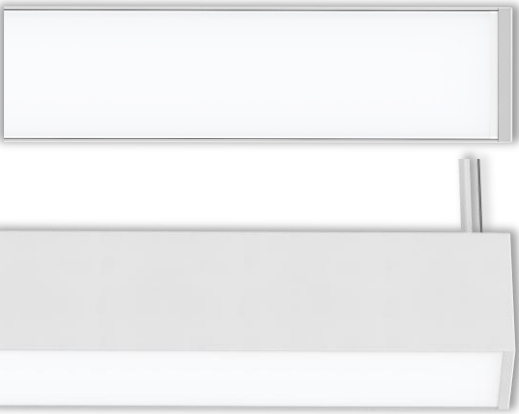
PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-FA-2-18W-CA010		Zone	Lumens	% Fixture	Direct	Center Beam Fc	Beam Width		
Wattage	18W	0-20°	237.24	13.5		1.7R	226 fc	4.7 ft	4.6 ft
CCT	3000K	0-30°	499.97	28.4		3.3R	60 fc	9.2 ft	8.9 ft
Distribution	110°	0-40°	811.89	46.1		5.0R	26.1 fc	14.0 ft	13.5 ft
Length	2ft	0-60°	1413.05	80.2		6.7R	14.6 fc	18.7 ft	18.1 ft
		0-80°	1736.69	98.6		8.3R	9.49 fc	23.2 ft	22.5 ft
		0-90°	1761.19	100	10.0R	6.54 fc	27.9 ft	27.1 ft	
						■ Vert. Spread: 108.8° ■ Horiz. Spread: 107.1°			
AE-SF-FA-4-36W-CA010		Zone	Lumens	% Fixture	Direct	Center Beam Fc	Beam Width		
Wattage	36W	0-20°	460.1	13.5		1.7R	439 fc	4.7 ft	4.6 ft
CCT	3000K	0-30°	969.64	28.4		3.3R	116 fc	9.2 ft	8.9 ft
Distribution	110°	0-40°	1574.59	46.1		5.0R	50.7 fc	14.0 ft	13.5 ft
Length	4ft	0-60°	2740.48	80.2		6.7R	28.2 fc	18.7 ft	18.1 ft
		0-80°	3368.16	98.6		8.3R	18.4 fc	23.2 ft	22.5 ft
		0-90°	3415.67	100	10.0R	12.7 fc	27.9 ft	27.1 ft	
						■ Vert. Spread: 108.8° ■ Horiz. Spread: 107.1°			
AE-SF-FA-8-72W-CA010		Zone	Lumens	% Fixture	Direct	Center Beam Fc	Beam Width		
Wattage	72W	0-20°	920.21	13.5		1.7R	877 fc	4.7 ft	4.6 ft
CCT	3000K	0-30°	1939.28	28.4		3.3R	233 fc	9.2 ft	8.9 ft
Distribution	110°	0-40°	3149.19	46.1		5.0R	101 fc	14.0 ft	13.5 ft
Length	8ft	0-60°	5480.97	80.2		6.7R	56.5 fc	18.7 ft	18.1 ft
		0-80°	6736.33	98.6		8.3R	36.8 fc	23.2 ft	22.5 ft
		0-90°	6831.34	100	10.0R	25.4 fc	27.9 ft	27.1 ft	
						■ Vert. Spread: 108.8° ■ Horiz. Spread: 107.1°			

OVERVIEW



Innovative Design

- Extruded aluminum housing for better heat dissipation.
- Highly durable polycarbonate and high transmittance lens.



Multiple Options

- Four standard length available; 2, 4 & 8ft.
- Three CCT switchable
- Black & white finishes.

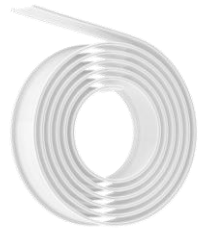


Emergency backup battery



Accessories

- 49ft Lens cover for continuous runs
- Mechanical Links for continuous runs



Mountings Available

- Suspended
- Surface Mount



Tests And Certifications

