F2 SERIES

LINEAR LED LIGHT

Architectural Linear | 2" Aperture | Multiple Mounting

The F2 series is ERALUX's surface mount linear architectural lighting fixture, designed for easy installation and quick deployment. It features accessible LED boards, drivers, and other components from below, enhancing convenience during maintenance. Available in 3, 4, 6, and 8-feet lengths, the F2 series also includes switchable CCT options of 30/35/40K, allowing for rapid adjustments to the lighting environment.

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

DATE	QTY	ACC. QTY	TYPE

PROJECT		
PN		
ACCESSORY PN		
NOTES		

DYNAMIC MENU

Order Information	
Dimensions	
Accessories	
Photometric Data	

Install Instruction link

SPECIFICATIONS

Input Voltage	120-277V	
Power Factor	>0.9	
Total Harmonic Distortion	<20%	
Dimming Page 5	0-10V dimming	
CRI	90 CRI	
CCT	30K 35K 40K	
Efficacy	UGR Lens	~585 lm/ft
	Polycarbonate	~750 lm/ft
Length	3'	4'	6'	8'
Power	23W	31W	46W	61W
Ambient Temperature Range	-20°C to 45°C	
Mounting Options	Surface Mud in Suspended	
Fixture Finish	Black | White | Silver | Custom	
Custom Design	X, L, T shapes Continuous runs	
Optics	Prismatic | UGR	
Distribution	120°	

PRODUCT FEATURES

CCT SWITCHABLE

Custom Color

Emergency backup battery

PRODUCT CERTIFICATIONS

5 YEARS WARRANTY eralux

RoHS

ETL INTERTEK LISTED c US

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 – L85 at 50,000 hours

Rated for 85% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

F2

eralux®

LINEAR LED LIGHT
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👆 ORDERING GUIDE

AE-SF-F2-

AE-SF-F2-	**3 | 23**	**30/40/CCT**	**[BLANK]**	**WH**	**-SMT**
ERALUX F2 Linear Architectural Fixture	3ft | 23W | 1,755 lm	3000/4000/CCT selectable	Polycarbonate	White	Surface Mount
	4 | 31		**UGR**	**BK**	**-AIR**[1]
120-277V input voltage	4ft | 31W | 2,340 lm		Low Glare	Black	Suspended for Stand alone
	6 | 46			**SV**	**-AIRLINK**[2]
	5ft | 46W | 3,510 lm			Silver	Suspended for continuous runs
	8 | 61			**RALXXX**	**-MUD**
	8ft | 61W | 4,680 lm			Custom Color	Recessed in Gypsum
	_____C				
	Continuous length increment of 1ft (Select or type the length then click on 'C')				

Fixture Family	Length | Power	CCT	Diffuser	Finish	Mounting

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. • Maximum of 700W per electrical drop.
REMARKS	• Default CCT setting is 4000K but can be changed upon request before shipping. • For Custom lengths , please contact factory
NOTES	1. Comes with AE-SF-F2-SUSPESION-KIT-WH; 2 canopies, 6ft power cord, and 2 6ft aircraft cables. 2. Comes with AE-SF-F2-L-PTB-NPF-6-WH and AE-SF-F2-LINK-KIT; 1 canopy, 6ft aircraft cable, and link kit.

👆 Custom Color Guide

RAL 6005 MOSS GREEN	RAL 6032 SIGNAL GREEN	RAL 6027 LIGHT GREEN	RAL 5003 SAPPHIRE BLUE	RAL 7001 SILVER GREY
RAL 7033 CEMENT GREY	RAL 7038 AGATE GREY	RAL 9001 CREAM	RAL 9006 SILVER	RAL 7040 WINDOW GREY
RAL 1015 LIGHT IVORY	RAL 2012 SALMON ORANGE	RAL 3031 ORIENT RED	RAL 8024 BEIGE BROWN	RAL 9003 SIGNAL WHITE
RAL 9007 GREY ALUMINUM	RAL 9022 LIGHT PEARL GREY	RAL 9023 PEARL DARK GREY	RAL 7011 IRON GREY	RAL 9004 SIGNAL BLACK

Custom Color

F2

LINEAR LED LIGHT

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☞ ORDERING GUIDE – CUSTOM DESIGN

AE-SF-F2-					

AE-SF-F2-	Specify dimension of S1 *(Select or type the length)*	Specify dimension of S2 *(Select or type the length)*	**-R** Rectangular shape **-L** L-shape **-T** T-shape **-X** X-shape	**-SMT** Surface Mount **-AIR** Suspended for Stand alone **-AIRLINK** Suspended for continuous runs **-MUD** Recessed in Gypsum	**WH-GB** White **BK-GB** Black **SV-GB** Silver **RAALXXX** Custom Color
ERALUX F2 Linear Architectural Fixture					

Fixture Family	**Side 1**	**Side 2**	**Design**	**Mounting**	**Finish**

Rectangle	**X - Shape**	**L - Shape**	**T- Shape**
For square , S1 equal to S2.	Symmetrical sides	For equal sides , S1 equal to S2.	Symmetrical side

NOTES	• **For more complex designs, contact factory** • **Maximum of 700W per electrical drop.** • **For RAALXXX Color, Refer to 1st page** • **Inner and outer corner L-Shape are available, contact factory for more information**

☞ ORDERING GUIDE – EMERGENCY BATTERY BACK UP

[BLANK]
No Emergency Battery Back up
BLD-YT08D-XXX
8W Emergency Battery Back up
BLD-YT15D-XXX
15W Emergency Battery Back up

EMBB

NOTES	• **Emergency battery back up is integrated in the fixture** • **Factory installed**

DIMENSIONS

SIZE	TOP VIEW	SIDE VIEW
3FT	36.46 in	2.76 in / 2.17 in
4FT	48.50 in	
6FT	72.48in	
8FT	96.50in	
NOTES	• The length shown above includes the end caps on both sides • Thickness of end caps is 0.07 inches	

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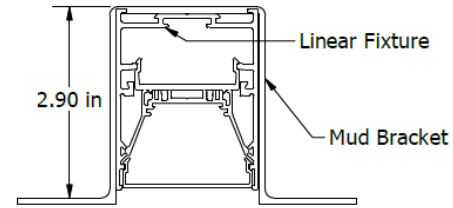
LINEAR LED LIGHT
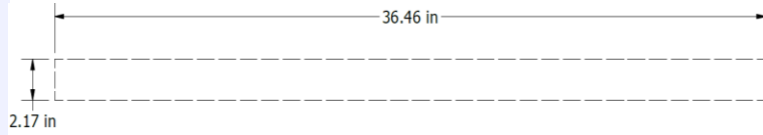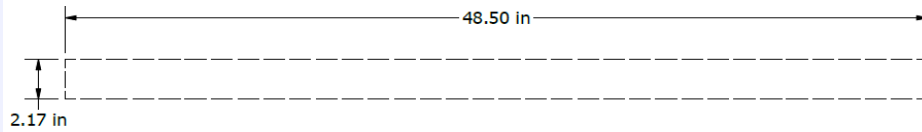### Architectural Linear | 2" Aperture | Multiple Mounting

DIMENSIONS
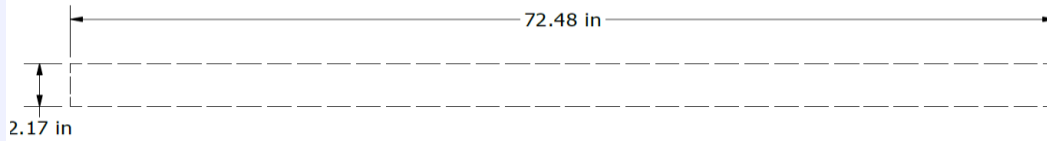## RECESSED- MUD

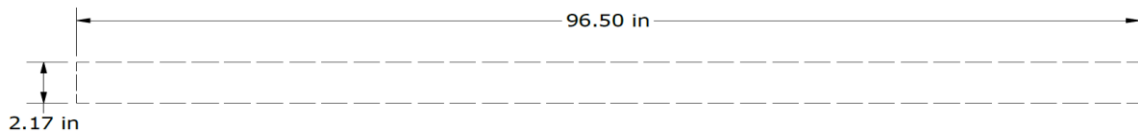| SIZE	CEILING CUT OUT	
3FT	36.46 in / 2.17 in	2.90 in — Linear Fixture / Mud Bracket
4FT	48.50 in / 2.17 in	
6FT	72.48 in / 2.17 in	
8FT	96.50 in / 2.17 in	
NOTES	• Minimum Clearance space needed in the ceiling is 2.9 inches for mudding installation	

SUSPENDED

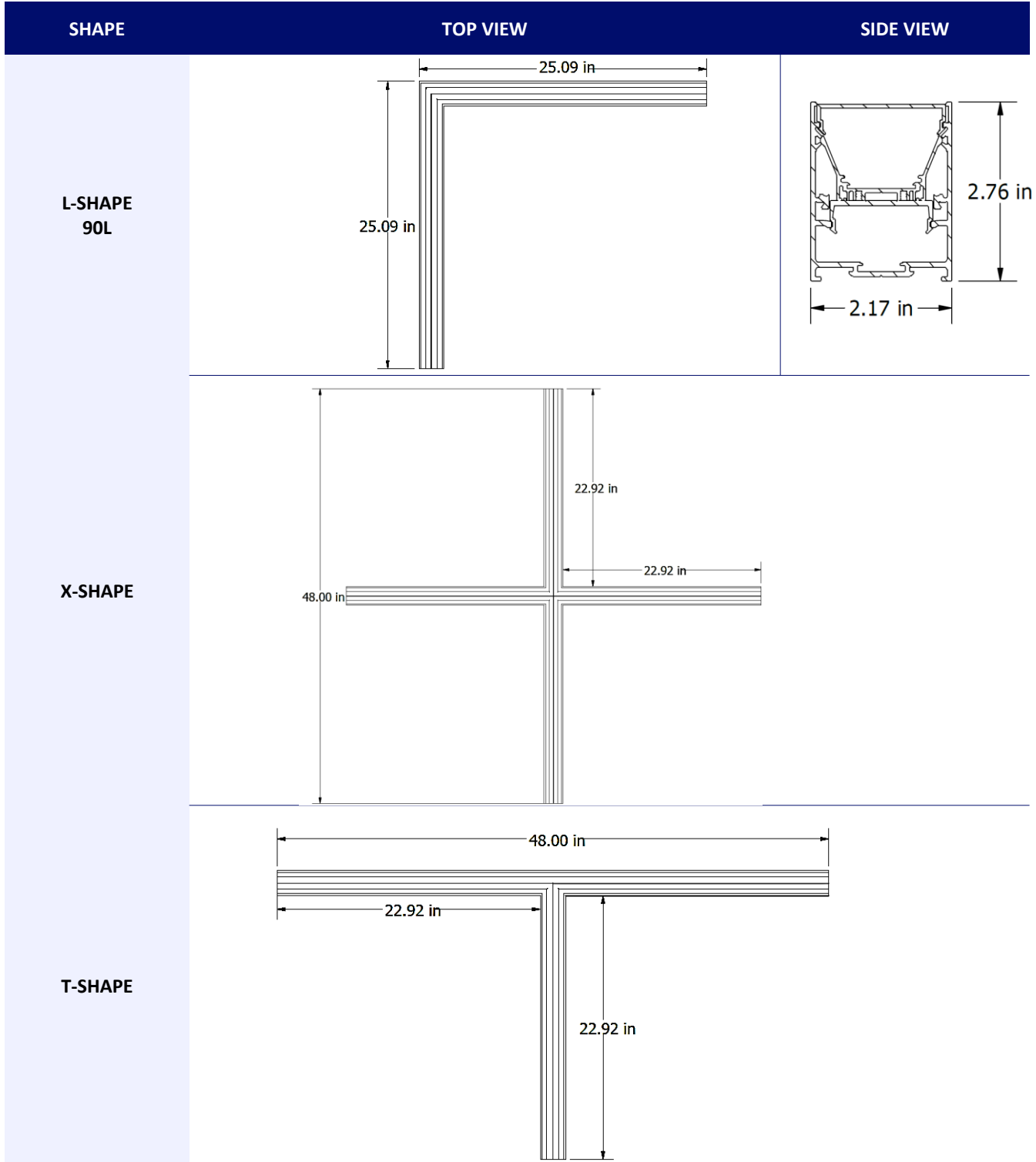| AIRCRAFT CABLES LOACATION |
|---|

6.00 in MAX

NOTES	• Bracket used for suspension is adjustable, you can slide the bracket along the fixture • The maximum allowable distance of the bracket is 6 inches form the end cap, both sides • Same distance applied on all F2 Sizes

F2

DIMENSIONS

Custom Design

SHAPE	TOP VIEW	SIDE VIEW
L-SHAPE 90L	25.09 in / 25.09 in	2.76 in / 2.17 in
X-SHAPE	48.00 in / 22.92 in / 22.92 in	
T-SHAPE	48.00 in / 22.92 in / 22.92 in	

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ACCESSORIES

FOR MOUNTING

SUSPENSION		
ORDER CODE	**DESCRIPTION**	**PICTURE**
AE-SF-F2-SUSPESION-KIT-WH AE-SF-F2-SUSPESION-KIT-BK	Power feed canopy Non power feed canopy 6FT Power Cord 6FT suspension wires	
AE-SF-F2-L-PTB-NPF-6-WH AE-SF-F2-L-PTB-NPF-6-BK	Non power feed Canopy 6FT suspension wire	

MUD IN		
ORDER CODE	**DESCRIPTION**	**PICTURE**
AE-SF-F2-MUD-BKT	Mud Bracket for Recessed Gypsum Mount - 2PCS 3-inch minimum clearance is needed in the ceiling	

FOR CONTINUOUS RUN

LINK		
ORDER CODE	**DESCRIPTION**	**PICTURE**
AE-SF-F2-LINK-KIT	Mechanical & electrical accessories for continuous mounting	

FOR DISASSEMBLING

TOOLS		
ORDER CODE	**DESCRIPTION**	**PICTURE**
AE-SF-L-DA	Rubber Diffuser Sucker and F2 Disassembly Tool. These tools are used while installing the fixture to remove the lens and light engine	

CONTROLS

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.
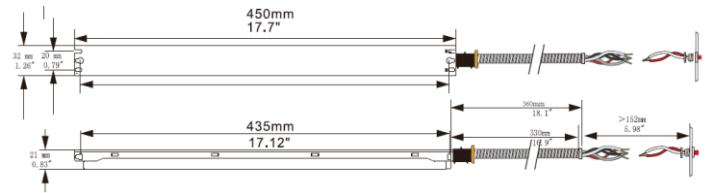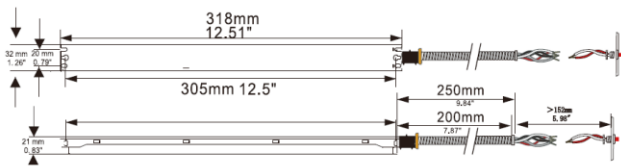

ROOM OCCUPANCY SENSOR

Ordered separately, field installed

PART NUMBER	DESCRIPTION
AE-CT-DT806	Detecta - Room Occupancy Sensor
RC102	RC102 Remote Control

SPECIFICATIONS		
Input Voltage	120-277 Vac	
Power Frequency	50/60HZ	
Rated Load	At 120 Vac	800W
	At 277 Vac	1200W
Detection Range	3-10 Meters	
	9.8- 32.8 Feet	
Standby Power	~0.9W	
Time Setting	10 sec to 30 min	
Light Control	10-2,000LUX	
Installation	Ceiling Mounted	
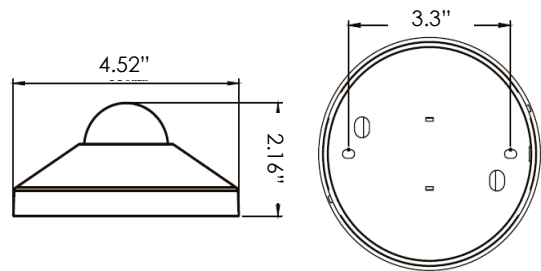
LUMEN ESTIMATE

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	4000K	5000K
PREMIUM (90CRI)	0.94	1	1.03

PHOTOMETRIC DATA

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-SF-F2-3-23-30/40/50-XX-XX		Zone	Lumens	% Fixture
Wattage	23W	0-20°	347.41	14.8
CCT	4000K	0-30°	718.77	30.6
Distribution	120˚	0-40°	1140.81	48.6
Length	3ft	0-60°	1898.37	80.9
		0-80°	2283.51	97.4
		0-90°	2316.64	98.8

POLAR LUMINOUS INTENSITY — Direct / Indirect Light

CONE DISTRIBUTION

Center Beam Fc	Beam Width	
336 fc	4.1 ft	3.5 ft
89.2 fc	8.0 ft	6.8 ft
38.9 fc	12.1 ft	10.3 ft
21.6 fc	16.2 ft	13.9 ft
14.1 fc	20.1 ft	17.2 ft
9.71 fc	24.2 ft	20.7 ft

(1.7ft, 3.3ft, 5.0ft, 6.7ft, 8.3ft, 10.0ft)
Vert. Spread: 100.9°
Horiz. Spread: 91.9°

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-SF-F2-4-31-30/40/50-XX-XX		Zone	Lumens	% Fixture
Wattage	31W	0-20°	453.14	14.8
CCT	4000K	0-30°	937.53	30.6
Distribution	120˚	0-40°	1488	48.6
Length	4ft	0-60°	2476.13	80.9
		0-80°	2978.47	97.4
		0-90°	3021.7	98.8

POLAR LUMINOUS INTENSITY — Direct / Indirect Light

CONE DISTRIBUTION

Center Beam Fc	Beam Width	
438 fc	4.1 ft	3.5 ft
116 fc	8.0 ft	6.8 ft
50.7 fc	12.1 ft	10.3 ft
28.2 fc	16.2 ft	13.9 ft
18.4 fc	20.1 ft	17.2 ft
12.7 fc	24.2 ft	20.7 ft

(1.7ft, 3.3ft, 5.0ft, 6.7ft, 8.3ft, 10.0ft)
Vert. Spread: 100.9°
Horiz. Spread: 91.9°

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-SF-F2-6-46-30/40/CCT-XX-XX		Zone	Lumens	% Fixture
Wattage	46W	0-20°	679.71	14.8
CCT	4000K	0-30°	1406.29	30.6
Distribution	120˚	0-40°	2232	48.6
Length	6ft	0-60°	3714.19	80.9
		0-80°	4467.71	97.4
		0-90°	4532.54	98.8

POLAR LUMINOUS INTENSITY — Direct / Indirect Light

CONE DISTRIBUTION

Center Beam Fc	Beam Width	
658 fc	4.1 ft	3.5 ft
175 fc	8.0 ft	6.8 ft
76 fc	12.1 ft	10.3 ft
42.3 fc	16.2 ft	13.9 ft
27.6 fc	20.1 ft	17.2 ft
19 fc	24.2 ft	20.7 ft

(1.7ft, 3.3ft, 5.0ft, 6.7ft, 8.3ft, 10.0ft)
Vert. Spread: 100.9°
Horiz. Spread: 91.9°

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-SF-F2-8-61-30/40/50-XX-XX		Zone	Lumens	% Fixture
Wattage	61W	0-20°	906.28	14.8
CCT	4000K	0-30°	1875.05	30.6
Distribution	120˚	0-40°	2976.01	48.6
Length	8ft	0-60°	4952.25	80.9
		0-80°	5956.95	97.4
		0-90°	6043.39	98.8

POLAR LUMINOUS INTENSITY — Direct / Indirect Light

CONE DISTRIBUTION

Center Beam Fc	Beam Width	
877 fc	4.1 ft	3.5 ft
233 fc	8.0 ft	6.8 ft
101 fc	12.1 ft	10.3 ft
56.4 fc	16.2 ft	13.9 ft
36.8 fc	20.1 ft	17.2 ft
25.3 fc	24.2 ft	20.7 ft

(1.7ft, 3.3ft, 5.0ft, 6.7ft, 8.3ft, 10.0ft)
Vert. Spread: 100.9°
Horiz. Spread: 91.9°

OVERVIEW

Innovative Design

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

Multiple Options

- Four standard length available; 3, 4, 6, & 8ft.
- Three CCT switchable and.
- Black, white, silver, & custom finishes.

CCT SWITCHABLE

Emergency backup battery

Custom Design

- Continuous lens
- L, T, X, & rectangular shapes
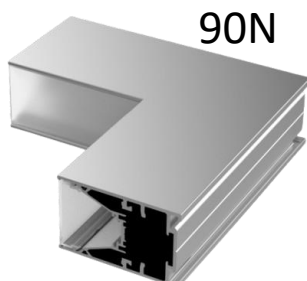
Mountings Available

- Suspended.
- Wall mount
- Mud

Tests And Certifications

5 YEARS WARRANTY eralux

RoHS

90N

90W

90L