

# 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-foot 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

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Accessories	<a href="#">Page 7</a>
Photometric Data	<a href="#">Page 9</a>

[Install Instruction link](#)

### SPECIFICATIONS

Input Voltage	120-277V			
Power Factor	>0.9			
Total Harmonic Distortion	<20%			
Dimming	0-10V dimming			
CRI	90 CRI			
CCT	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid #ccc; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center;">30K</div> <div style="border: 1px solid #ccc; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center;">35K</div> <div style="border: 1px solid #ccc; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center;">40K</div> </div>			
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	<div style="display: flex; justify-content: space-between; width: 100%;"> <span>Surface</span> <span>Mud in</span> <span style="border: 1px solid #ccc; padding: 2px;">Suspended</span> </div>			
Fixture Finish	Black   White   Silver   Custom 			
Custom Design	X, L, T shapes Continuous runs			
Optics	Prismatic   UGR			
Distribution	<div style="background-color: #003366; color: white; padding: 10px; width: 60px; margin: 0 auto;">120°</div>			



### 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 – 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).

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### ORDERING GUIDE

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

Fixture Family	Length   Power	CCT	Diffuser	Finish	Mounting
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<b>CAUTION</b>	<ul style="list-style-type: none"> <li>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.</li> <li>Maximum of 700W per electrical drop.</li> </ul>
<b>NOTES</b>	<ul style="list-style-type: none"> <li>Default CCT setting is 4000K but can be changed upon request before shipping.</li> <li>For Custom lengths , please contact factory</li> </ul>



### 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 JAGATE 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 ALUMINIUM	RAL 9022 LIGHT PEARL GREY	RAL 9023 PEARL DARK GREY	RAL 7011 IRON GREY	RAL 9004 SIGNAL BLACK

**Custom Color**

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### ORDERING GUIDE – CUSTOM DESIGN

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

Fixture Family	Side 1	Side 2	Design	Mounting	Finish
<b>Rectangle</b>			<b>X - Shape</b>	<b>L - Shape</b>	<b>T - Shape</b>
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 1<sup>st</sup> 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

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### DIMENSIONS

SIZE	TOP VIEW	SIDE VIEW
3FT	<p>36.46 in</p>	<p>2.76 in</p> <p>2.17 in</p>
4FT	<p>48.50 in</p>	
6FT	<p>72.48 in</p>	
8FT	<p>96.50 in</p>	
NOTES	<ul style="list-style-type: none"> <li>• The length shown above includes the end caps on both sides</li> <li>• Thickness of end caps is 0.07 inches</li> </ul>	

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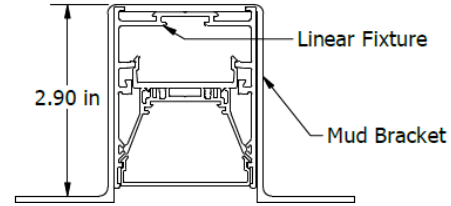
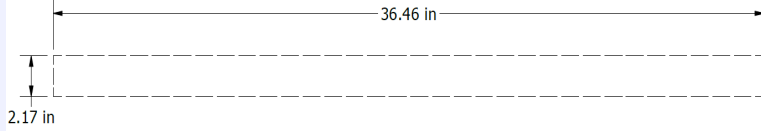
### DIMENSIONS RECESSED- MUD

SIZE

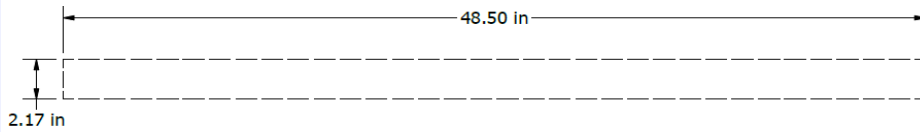


CEILING CUT OUT

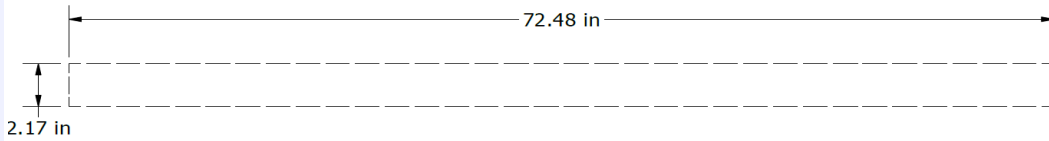
3FT



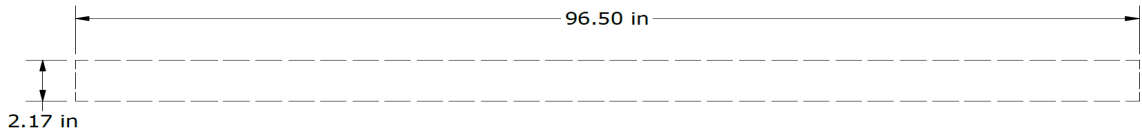
4FT



6FT



8FT



- NOTES
- Minimum Clearance space needed in the ceiling is 2.9 inches for mudding installation

### SUSPENDED



AIRCRAFT CABLES LOCATION



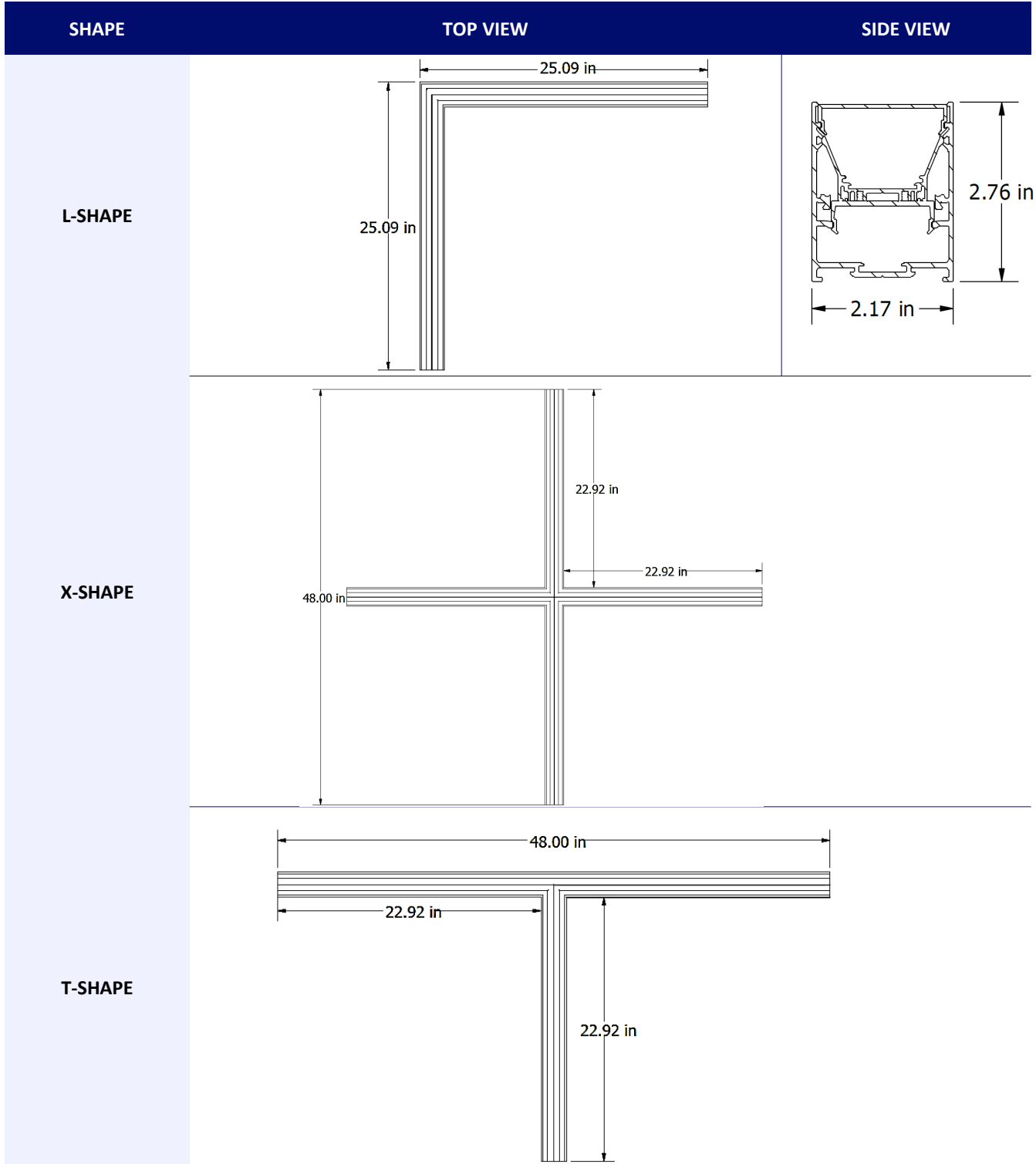
NOTES

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

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### DIMENSIONS Custom Design



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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	

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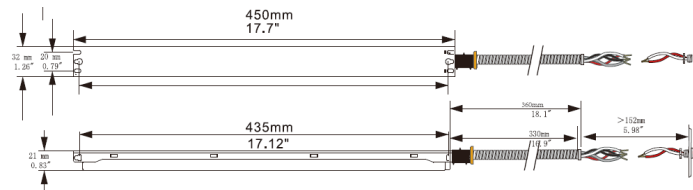
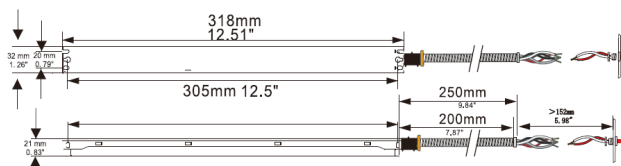
### CONTROLS

#### 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 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.



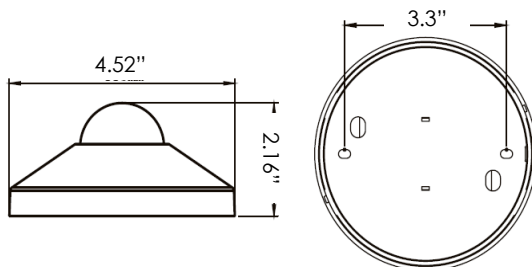
SPECIFICATIONS	
Input Voltage	30-60VDC
Power Frequency	50/60HZ
Output Voltage	30-60VDC
Output Power	8W   15W
Ambient Temperature	0°C to 50°C
	30°F to 122°F
Installation	Integrated

#### 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





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

### PHOTOMETRIC DATA

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-F2-3-23-30/40/50-XX-XX		Zone	Lumens	% Fixture	Direct / Indirect Light	Center Beam Fc		Beam Width	
Wattage	23W	0-20°	347.41	14.8		1.7ft	336 fc	4.1 ft	3.5 ft
CCT	4000K	0-30°	718.77	30.6		3.3ft	89.2 fc	8.0 ft	6.8 ft
Distribution	120°	0-40°	1140.81	48.6		5.0ft	38.9 fc	12.1 ft	10.3 ft
Length	3ft	0-60°	1898.37	80.9		6.7ft	21.6 fc	16.2 ft	13.9 ft
		0-80°	2283.51	97.4		8.3ft	14.1 fc	20.1 ft	17.2 ft
		0-90°	2316.64	98.8	10.0ft	9.71 fc	24.2 ft	20.7 ft	
						■ Vert. Spread: 100.9° ■ Horiz. Spread: 91.9°			
PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-F2-4-31-30/40/50-XX-XX		Zone	Lumens	% Fixture	Direct / Indirect Light	Center Beam Fc		Beam Width	
Wattage	31W	0-20°	453.14	14.8		1.7ft	438 fc	4.1 ft	3.5 ft
CCT	4000K	0-30°	937.53	30.6		3.3ft	116 fc	8.0 ft	6.8 ft
Distribution	120°	0-40°	1488	48.6		5.0ft	50.7 fc	12.1 ft	10.3 ft
Length	4ft	0-60°	2476.13	80.9		6.7ft	28.2 fc	16.2 ft	13.9 ft
		0-80°	2978.47	97.4		8.3ft	18.4 fc	20.1 ft	17.2 ft
		0-90°	3021.7	98.8	10.0ft	12.7 fc	24.2 ft	20.7 ft	
						■ Vert. Spread: 100.9° ■ Horiz. Spread: 91.9°			
PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-F2-6-46-30/40/CCT-XX-XX		Zone	Lumens	% Fixture	Direct / Indirect Light	Center Beam Fc		Beam Width	
Wattage	46W	0-20°	679.71	14.8		1.7ft	658 fc	4.1 ft	3.5 ft
CCT	4000K	0-30°	1406.29	30.6		3.3ft	175 fc	8.0 ft	6.8 ft
Distribution	120°	0-40°	2232	48.6		5.0ft	76 fc	12.1 ft	10.3 ft
Length	6ft	0-60°	3714.19	80.9		6.7ft	42.3 fc	16.2 ft	13.9 ft
		0-80°	4467.71	97.4		8.3ft	27.6 fc	20.1 ft	17.2 ft
		0-90°	4532.54	98.8	10.0ft	19 fc	24.2 ft	20.7 ft	
						■ Vert. Spread: 100.9° ■ Horiz. Spread: 91.9°			
PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-F2-8-61-30/40/50-XX-XX		Zone	Lumens	% Fixture	Direct / Indirect Light	Center Beam Fc		Beam Width	
Wattage	61W	0-20°	906.28	14.8		1.7ft	877 fc	4.1 ft	3.5 ft
CCT	4000K	0-30°	1875.05	30.6		3.3ft	233 fc	8.0 ft	6.8 ft
Distribution	120°	0-40°	2976.01	48.6		5.0ft	101 fc	12.1 ft	10.3 ft
Length	8ft	0-60°	4952.25	80.9		6.7ft	56.4 fc	16.2 ft	13.9 ft
		0-80°	5956.95	97.4		8.3ft	36.8 fc	20.1 ft	17.2 ft
		0-90°	6043.39	98.8	10.0ft	25.3 fc	24.2 ft	20.7 ft	
						■ Vert. Spread: 100.9° ■ Horiz. Spread: 91.9°			

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### 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.



#### Custom Design

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



#### Mountings Available

- Suspended.
- Wall mount
- Mud



#### Tests And Certifications

