

LX SERIES

LINEAR LED LIGHT

Architecture Linear | 1.75" Aperture | Multiple Diffuser

The LX Series is an architectural linear that comes with multiple diffuser options, available in various sizes to meet diverse project requirements. It provides flexible installation options, including recessed gypsum and suspended configurations. Additionally, the series offers a range of lens choices to enhance the aesthetic appeal of any environment while ensuring optimal lighting performance to meet them all.

Applications: Art Galleries | Office | Retail Stores | Hospitality

	DATE	QTY	ACC. QTY	TYPE
PROJECT				
PN				
ACCESSORY PN				
NOTES				

DYNAMIC MENU

Order Information	Page 2
Dimensions	Page 6
Accessories	Page 8
Photometric Data	Page 9

[Install Instruction link](#)

SPECIFICATIONS

Input Voltage	120-277V			
Power Factor	>0.9			
Total Harmonic Distortion	<20%			
Dimming	0-10V dimming			
CRI	90 CRI			
CCT				
Length	4', 6', 8'			
Ambient Temperature Range	-20°C to 45°C			
Mounting Options				
Fixture Finish	Black White Silver 			
Custom Design	Continuous runs			
Optics	Prismatic	Honeycomb	Optical	Louver
Efficacy	~80lm/W ~620lm/ft	~45lm/W ~350lm/ft	~100lm/W ~625lm/ft	~62lm/W ~475lm/ft
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 – L80 at 50,000 hours

Rated for 80% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).



ORDERING GUIDE – PRISMATIC DIFFUSER

AE-SF-LX-			-D			
AE-SF-LX- ERALUX LX Linear Architectural Fixture	-4 -31 4ft 21/26/31 1,714/2,122/2,401 lm	-30/35/40 3000/3500/4000K Switchable	-D 0-10V	-WH White	-UGR Prismatic	[BLANK] Standard
	-6 -46 6ft 36/41/46W 2,938/3,346/3,729 lm			-BK Black		-RMB Recessed Bracket
	-8 -61 8ft 51/56/61W 4,162/4,570/4,972 lm			-SV Silver		-AIR¹ Suspended Linear
Fixture Family	Length Power	CCT	Control	Finish	Diffuser	Mounting

NOTES 1. AIR comes with suspension kit (2 canopy/6ft power cord/ 2 6ft suspension wires); standalone fixture

CAUTION

- If CCT not specified, 3500K is the default option
- 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 300W per electrical drop.

Prismatic Diffuser

Description

A high-quality prismatic diffuser lens providing uniform light diffusion with enhanced clarity and reduced glare, offering an elegant, faceted appearance that enhances visual comfort. The precision-cut prismatic pattern not only controls brightness but also distributes light more widely, adding depth and dimension to any space.

Efficacy

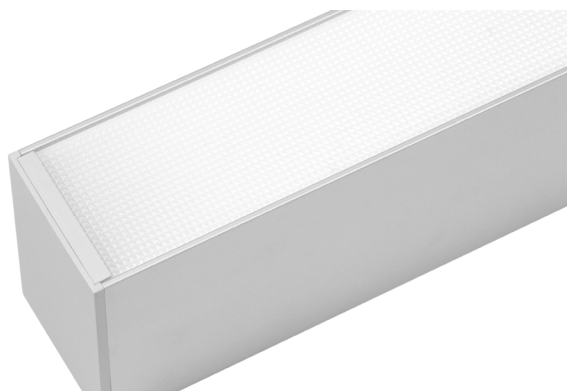
~80Lm/W | ~620Lm/ft

UGR

17.4 – 24.2

Beam angle

108°



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ORDERING GUIDE – HONEYCOMB DIFFUSER

AE-SF-LX-			-D			
AE-SF-LX- ERALUX LX Linear Architectural Fixture	4 -31 4ft 31W 1408 lm	-30 3000K	-D 0-10V	-WH White	-HEX Honeycomb	[BLANK] Standard
	6 -46 6ft 46W 2089 lm	-35 3500K		-BK Black		-RMB Recessed Bracket
	8 -56 8ft 56W 2771 lm	-40 4000K		-SV Silver		-AIR¹ Suspended Linear
Fixture Family	Length Power	CCT	Control	Finish	Diffuser	Mounting

NOTES	1. AIR comes with suspension kit (2 canopy/6ft power cord/ 2 6ft suspension wires); standalone fixture
CAUTION	<ul style="list-style-type: none"> 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 300W per electrical drop.

Honeycomb Diffuser

Description	A durable honeycomb lens offering precise light control with minimal glare, thanks to its unique hexagonal structure. The honeycomb pattern effectively directs light where it's needed, creating a soft, focused beam while reducing spillover to surrounding areas.
Efficacy	~45Lm/W ~350Lm/ft
UGR	17.2 – 22.4
Beam angle	80°



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ORDERING GUIDE – LOUVER DIFFUSER

AE-SF-LX-			-D			
AE-SF-LX- ERALUX LX Linear Architectural Fixture	4 -31 4ft 23W 1,920 lm	-30 3000K	-D 0-10V	-WH White	-LVR Louver	[BLANK] Standard
	6 -46 6ft 46W 2,849 lm	-35 3500K		-BK Black		-RMB Recessed Bracket
	8 -61 8ft 61W 3,778 lm	-40 4000K		-SV Silver		-AIR¹ Suspended Linear
Fixture Family	Length Power	CCT	Control	Finish	Diffuser	Mounting

NOTES

- AIR comes with suspension kit (2 canopy/6ft power cord/ 2 6ft suspension wires); standalone fixture

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 300W per electrical drop.

Louver Diffuser

Description

This louver accessory features precisely angled slats that effectively control light direction and reduce glare. Designed to deliver balanced illumination, it ensures a softer, more diffused light output by minimizing harsh reflections and hotspots. Its structure also adds a layer of visual interest, making it an attractive choice for modern lighting applications.

Efficacy

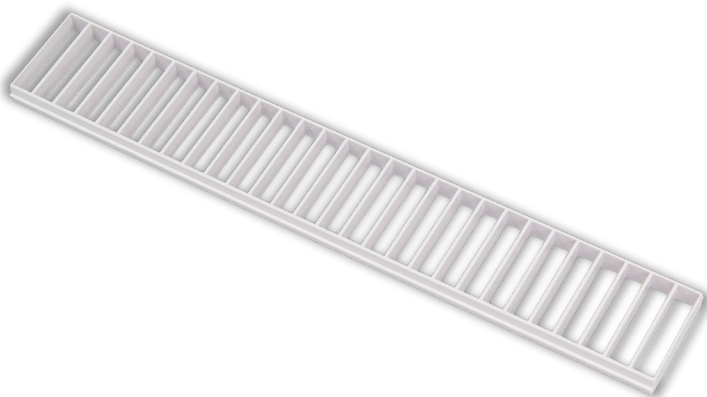
~62Lm/W | ~475Lm/ft

UGR

13.5 – 23.2

Beam angle

80°





ORDERING GUIDE – OPTICAL DIFFUSER

AE-SF-LX-			-D			
AE-SF-LX- ERALUX LX Linear Architectural Fixture	4 -25 4ft 25W 2,500 lm	-30 3000K	-D 0-10V	-WH White	-OPL Optical	[BLANK] Standard
	6 -38 6ft 38W 3,811 lm	-35 3500K		-BK Black		-RMB Recessed Bracket
	8 -49 8ft 49W 4,914 lm	-40 4000K		-SV Silver		-AIR¹ Suspended Linear
Fixture Family	Length Power	CCT	Control	Finish	Diffuser	Mounting

NOTES 1. AIR comes with suspension kit (2 canopy/6ft power cord/ 2 6ft suspension wires); standalone fixture

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 300W per electrical drop.
- Available for stand alone only.

Optical Diffuser

Description

An optical lens array featuring precision-engineered lenses designed to enhance light focus and minimize glare. The structure directs light through individual optical compartments, delivering sharp, controlled illumination with high efficiency. Ideal for applications where focused lighting is essential.

Efficacy

~100lm/W | ~625Lm/ft

UGR

3.8

Beam angle

65°



DIMENSIONS

SIZE	TOP/BOTTOM VIEW	SIDE VIEW
4FT	<p>47.49 in</p>	<p>2.76 in 1.97 in</p>
6FT	<p>71.16 in</p>	
8FT	<p>95.96 in</p>	

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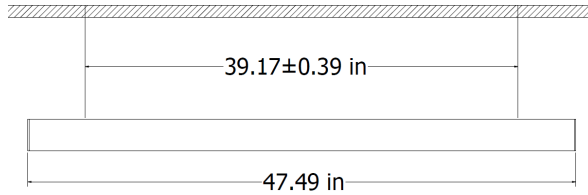
INSTALLATION SUSPENDED

SIZE

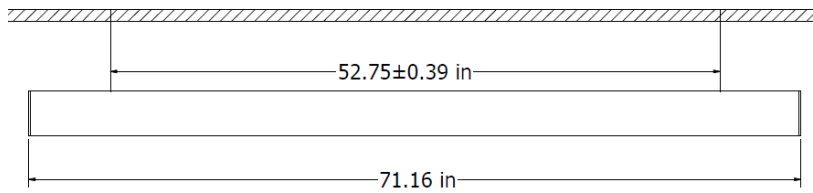


AIRCRAFT CABLE LOCATION

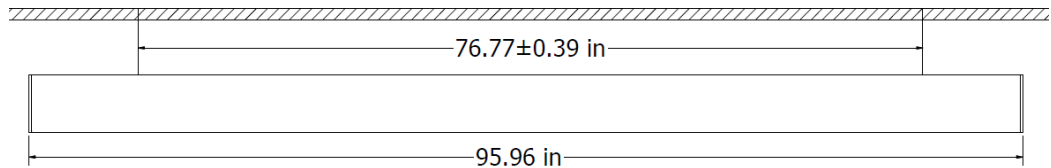
4FT



6FT



8FT



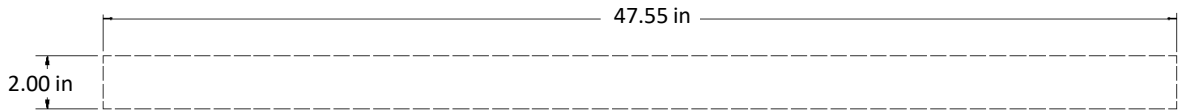
RECESSED – MUD IN

SIZE

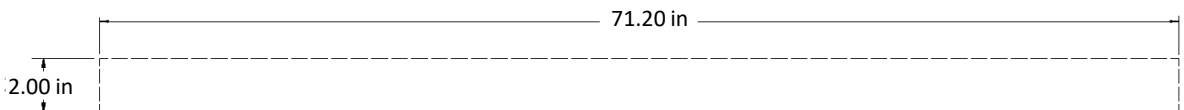


CEILING CUT-OUT

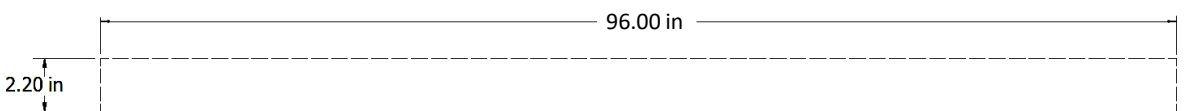
4FT



6FT

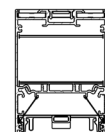


8FT



NOTES

- Minimum Clearance space needed in the ceiling is 2.76 inches for mudding installation



2.76 in

ACCESSORIES

POWER CORD / CANOPY

ORDER CODE	DESCRIPTION	PICTURE
<p>AE-SF-F2-L-PTB-NPF-6-WH-CANOPY AE-SF-F2-L-PTB-NPF-6-BK-CANOPY</p>	<p>6ft Air-Craft Cables Canopy with 2 holes Diffuser piece</p>	
<p>AE-SF-F2-L-PTB-PF-6-WH-CANOPY AE-SF-F2-L-PTB-PF-6-BK-CANOPY</p>	<p>6ft Air-Craft Cables Canopy with 1 hole 6ft Power Cord Diffuser piece</p>	

MUD IN BRACKET

ORDER CODE	DESCRIPTION	PICTURE
<p>AE-SF-LX-RMK</p>	<p>Recessed Mount Kit</p>	

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
PREMIUM (90CRI)	0.94	0.97	1

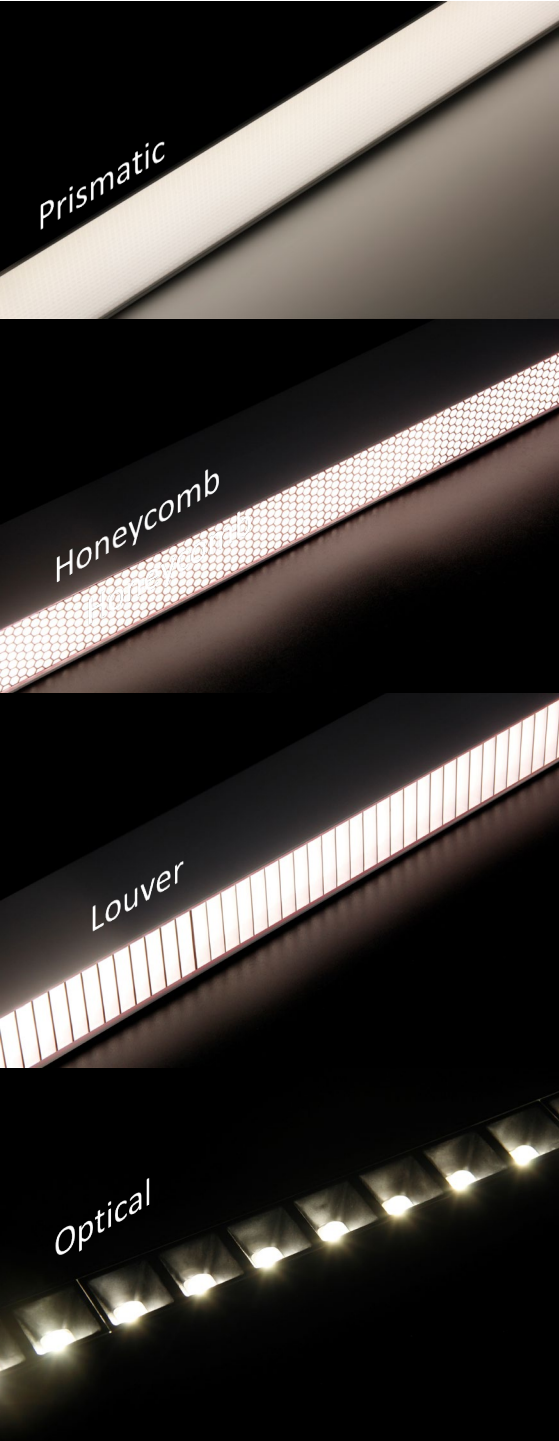
PHOTOMETRIC DATA

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-LX-4-31-40-D-XX-UGR-XX		Zone	Lumens	% Fixture	Direct	Center Beam Fc			
Wattage	31W	0-20°	426.72	14.3		1.7ft	410 fc	4.2 ft	3.9 ft
CCT	4000K	0-30°	889.7	29.8		3.3ft	109 fc	8.1 ft	7.6 ft
Distribution	108°	0-40°	1424.23	47.7		5.0ft	47.5 fc	12.3 ft	11.6 ft
Length	4ft	0-60°	2406.53	80.5		6.7ft	26.4 fc	16.5 ft	15.5 ft
Prismatic diffuser		0-80°	2933.54	98.2		8.3ft	17.2 fc	20.4 ft	19.2 ft
		0-90°	2988.03	100	10.0ft	11.9 fc	24.6 ft	23.2 ft	
						■ Vert. Spread: 101.8° ■ Horiz. Spread: 98.4°			
AE-SF-LX-4-31-40-D-XX-LVR-XX		Zone	Lumens	% Fixture	Direct	Center Beam Fc			
Wattage	31W	0-20°	402.26	18		1.7ft	408 fc	2.1 ft	4.0 ft
CCT	4000K	0-30°	804.52	36		3.3ft	108 fc	4.1 ft	7.7 ft
Distribution	80°	0-40°	1227.42	54.9		5.0ft	47.1 fc	6.2 ft	11.7 ft
Length	4ft	0-60°	1900.64	85.1		6.7ft	26.2 fc	8.3 ft	15.6 ft
Louver diffuser		0-80°	2185.79	97.9		8.3ft	17.1 fc	10.2 ft	19.4 ft
		0-90°	2209.65	98.9	10.0ft	11.8 fc	12.3 ft	23.3 ft	
						■ Vert. Spread: 63.3° ■ Horiz. Spread: 98.8°			
AE-SF-LX-4-31-40-D-XX-HX-XX		Zone	Lumens	% Fixture	Direct	Center Beam Fc			
Wattage	31W	0-20°	327.12	18.9		1.7ft	328 fc	2.9 ft	2.7 ft
CCT	4000K	0-30°	655.89	37.9		3.3ft	87 fc	5.6 ft	5.3 ft
Distribution	80°	0-40°	1002.85	57.9		5.0ft	37.9 fc	8.4 ft	8.0 ft
Length	4ft	0-60°	1505.68	86.9		6.7ft	21.1 fc	11.3 ft	10.7 ft
Honeycomb diffuser		0-80°	1692.08	97.7		8.3ft	13.8 fc	14.0 ft	13.3 ft
		0-90°	1711.59	98.8	10.0ft	9.47 fc	16.8 ft	16.0 ft	
						■ Vert. Spread: 80.2° ■ Horiz. Spread: 77.3°			
AE-SF-LX-4-34-40-D-XX-OPL-XX		Zone	Lumens	% Fixture	Direct	Center Beam Fc			
Wattage	34W	0-20°	1093.84	36.2		1.7ft	1068 fc	2.1 ft	2.2 ft
CCT	4000K	0-30°	2133.83	70.6		3.3ft	284 fc	4.1 ft	4.3 ft
Distribution	65°	0-40°	2819.9	93.3		5.0ft	124 fc	6.2 ft	6.5 ft
Length	4ft	0-60°	2978.09	98.5		6.7ft	68.8 fc	8.3 ft	8.6 ft
Optical diffuser		0-80°	2984.21	98.7		8.3ft	44.8 fc	10.3 ft	10.7 ft
		0-90°	2986.43	98.8	10.0ft	30.9 fc	12.4 ft	12.9 ft	
						■ Vert. Spread: 63.6° ■ Horiz. Spread: 65.7°			

OVERVIEW

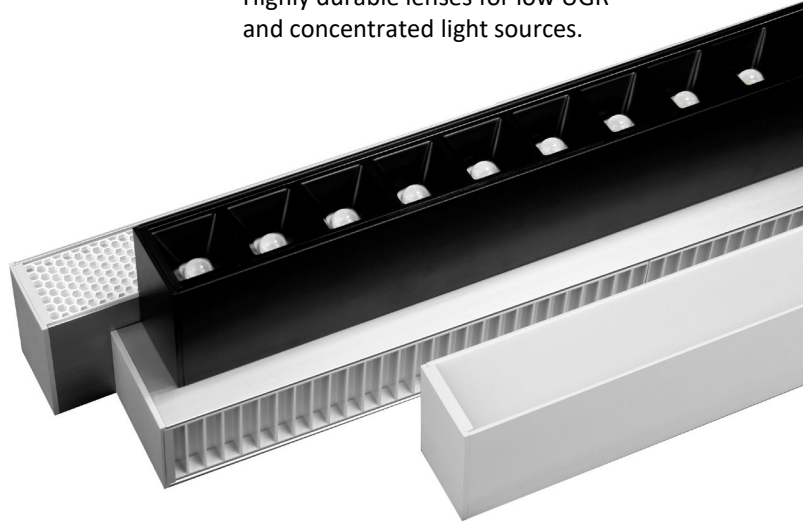


Diffusers



Innovative Design

- Extruded aluminum housing for better heat dissipation.
- Highly durable lenses for low UGR and concentrated light sources.



Multiple Options

- Three standard length available; 4, 6, & 8ft
- Three CCT and power options
- Black, white and silver finishes



Mountings Available

- Suspended
- Recessed mud in (Gypsum only)



Tests And Certifications

