

G5

LINEAR LED LIGHT

Wall Mount Linear | 2.5" Aperture | Direct

What we have done with the 2nd generation of our most popular fixture is take customers' feedback into consideration. Now with a remolded housing that meets the modern project space, the G5's housing can be connected seamlessly in both light and fixture appearance. Available for suspended mounting, surface mounting, and wall mounting in various run lengths.

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



DYNAMIC MENU

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[Install Instruction link](#)

SPECIFICATIONS

Input Voltage	120-347V				
Power Factor	>0.9				
Total Harmonic Distortion	<20%				
Dimming Page 3	0-10V dimming				
CRI	80 CRI				
CCT	<div><div>30K</div><div>35K</div><div>40K</div><div>50K</div></div>				
Efficacy	~105-120 lm/W		1312 lm/ft		
Length	2'	4'	5'	6'	8'
Power(W)	20	40	50	60	80
Ambient Temperature Range	-10°C to 40°C				
Mounting Options	<div><div></div> Wall mount</div>				
Fixture Finish	<div>Black White Silver Gun powder</div> <div><div></div><div></div><div></div><div></div></div>				
Optics	Polycarbonate Drop lens Wall Wash Parabolic louver				
Custom Design	Custom run L shape (inner/outer corner)				
Distribution	<div><div></div><div>120°</div></div>				

eralux®

	DATE	QTY	ACC. QTY	TYPE
PROJECT				
PN				
ACCESSORY PN				
NOTES				



PRODUCT FEATURES



PRODUCT CERTIFICATIONS



Design Lights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified" [page 3](#)

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

AE-SF-G5CA			010		WM		
AE-SF-G5CA ERALUX G5 Linear Architectural Fixture 120-347V input voltage	2 20 2ft 20W 2,100lm 4 40 4ft 40W 4,200lm 5 50 5ft 50W 4,200lm 6 60 6ft 60W 6,000lm 8 80 8ft 80W 8,400lm C Continuous length increment of 1ft (Select or type the length then click on 'C')	30/35/40¹ 3000/3500/4000K selectable 30/40/50 3000/4000/5000K selectable	010 0-10V	WH White BK Black SV² Silver GN² Gun powder	WM Wall mounted	[BLANK] No option LDE1³ Fade-to-Black down to 1% EMBB⁴ Emergency battery backup 1DIM⁵ 1% Dimming	[BLANK] Standard polycarbonate -P Prime Parabolic silver -PS Prime Shadow Parabolic Black -DL 0.5" Drop -WW Wall Wash
Fixture Family	Length Power	CCT	Control	Finish	Mounting	Option	Diffuser

NOTES

1. Default CCT setting is 3500K but can be changed upon request before shipping.
 2. Only available with Polycarbonate diffusers
 3. LDE1 is a Lutron Hi-lume EcoSystem driver with Soft-on, it requires color selection, if not the default CCT is 3500K.
 4. EMBB option available in 120-277V only.
 5. 1DIM available only in 120-277V, it works for 4,5,6,8 FT
- L-shape are available, contact factory for more information



ORDERING GUIDE – TRIAC Dimming

AE-SF-G5CA			-TRI	
ERALUX G5 Linear Architectural Fixture	2 15 2ft 15W 1,575lm 4 40 4ft 40W 2,500lm 8 80 8ft 80W 9,600lm	30 3000K 35 3500K 40 4000K	-TRI TRIAC Dimming	-WH-GB White -BK-GB Black
Fixture Family	Length Power	CCT	Controls	Finish

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.

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LUMEN OUTPUT

LENGTH	EFFICACY	OUTPUT POWER	
2FT	Avg 105-120 LPW	15/20 watts witchable	15W 1650 lm
			20W 2200 lm
4FT		30/40 watts switchable	30W 3300 lm
			40W 4400 lm
5FT		30/40 watts switchable	30W 3300 lm
			50W 4400 lm
6FT		35/50/60 watts switchable	35W 3850 lm
			50W 5500 lm
			60W 6600 lm
8FT		60/80 watts switchable	60W 6600 lm
			80W 8800 lm

DLC MODEL



DLC MODEL	PRODUCT ID
AE-SF-G5CA22030-35-40010YY-GB	S-JTCRUD
AE-SF-G5CA44030-35-40010YY-GB	S-ACNDT2
AE-SF-G5CA87030-35-40010YY-GB	S-09HDJM

DIMMER COMPATIBILITY LIST

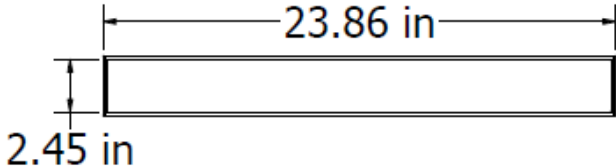
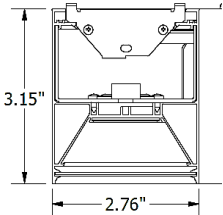
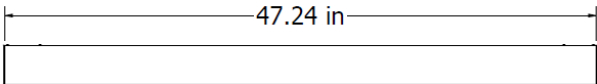
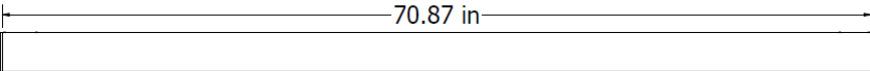
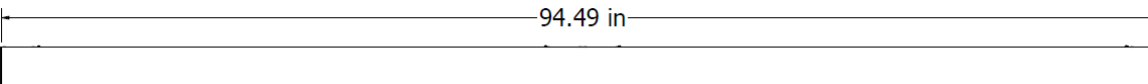
0-10V Dimming

BRAND	MODEL	BRAND	MODEL
LEVITON	IP710-LFZ	LEGRAND	RH4FBL3PTC
	DS710	EATON	WBSD-010SLD
LUTRON	DVS7V-WH	HUBBLE	LHDIRS3N
	MS-Z101		

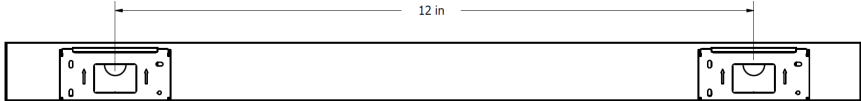
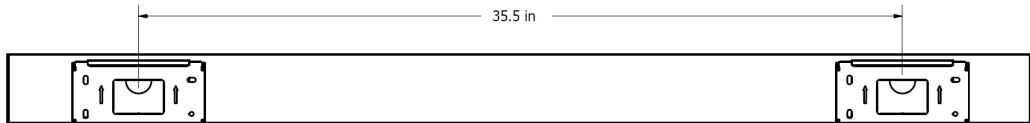
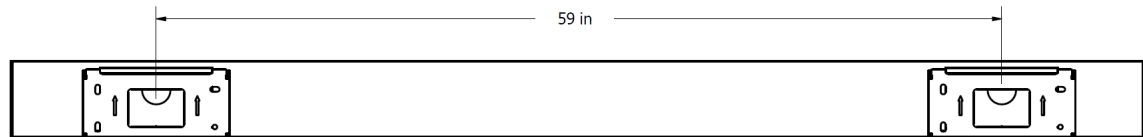
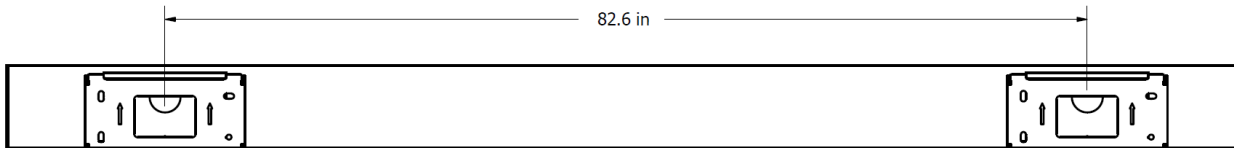
LINEAR LED LIGHT

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DIMENSIONS

SIZE	TOP/BOTTOM VIEW	SIDE VIEW
2FT		
4FT		
6FT		
8FT		

DRILLING PATTERN

SIZE	STAND ALONE INSTALLATION
2FT	
4FT	
6FT	
8FT	

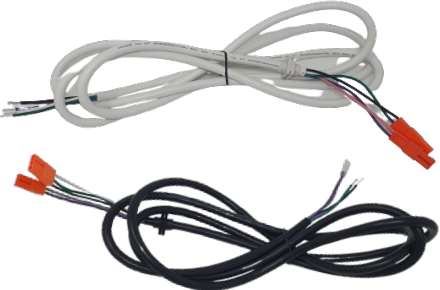
LINEAR LED LIGHT

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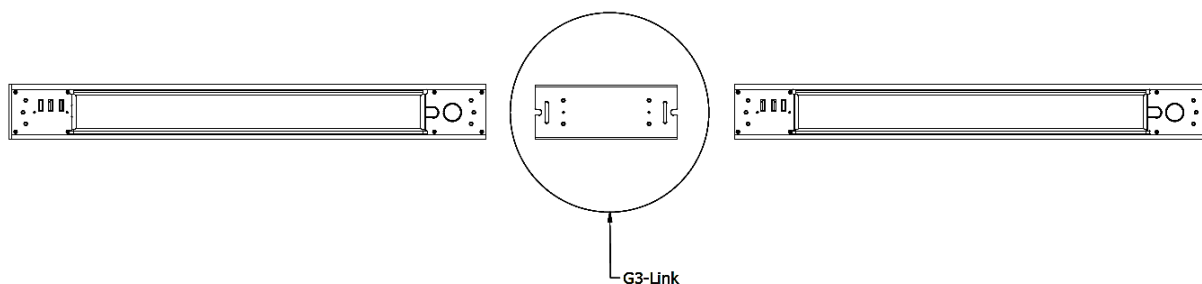
ACCESSORIES

Ordered separately if needed

POWER CORD

ORDER CODE	DESCRIPTION	PICTURE
AE-SF-PWRCORD-WH AE-SF-PWRCORD-BK	8' white / black power cord with 120-277V input voltage	
AE-SF-PWRCORD-WH-18FT AE-SF-PWRCORD-BK-18FT	18' white / black power cord with 120-277V input voltage	
AE-SF-PWRCORD-HV-WH AE-SF-PWRCORD-HV-BK	8' white / black power cord with 120-347V input voltage	
AE-SF-PWRCORD-WH-18FT AE-SF-PWRCORD-BK-18FT	18' white / black power cord with 120-277V input voltage	

For Continuous Run

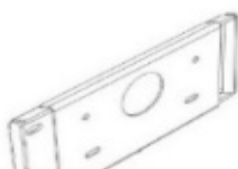


G3-LINK

ORDER CODE	DESCRIPTION
AE-SF-G3-LINK	Seamless mechanical connection for continuous runs Preventing Light Leakage Easy installation

MOUNTING

Wall mount

Description	Pictures
AE-SF-WMB-WH	
AE-SF-WMB-BK	

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DIFFUSER OPTIONS

Drop Lens

Description

Highly durable frosted polycarbonate lens provide a side glowing with crisp corners visible at distance.

This drop lens gives a 3D look to the light that will enliven your space and adding wider spread to the surrounding.

The drop lens is available for all continuous sizes; 2FT, 4FT, 6FT, and 8FT.

23% lumens less.

Pictures



Wall Wash Lens

Description

The wall washing is a feature where the luminaire is typically positioned at least 12" from the wall to enhance the smoothness of a wall by eliminating shadows or to highlight a wall to create visual interest. The wall wash lens is available for all continuous sizes; 2FT, 4FT, 5FT, 6FT, and 8FT.

Pictures



Prime lens

Description

The Prime features a parabolic silver louver that offers outstanding light shielding and an attractive, crisp visual texture. Its parabolic blade design, along with side reflectors, effectively directs light, enhancing brightness and efficiency in lighting applications. The prime delivers a modern, sleek look, making them suitable for contemporary spaces.

Efficacy ~90Lm/W & UGR <15

Prime is available for all continuous sizes; 2FT, 4FT, 6FT, and 8FT

Pictures



Prime Shadow lens

Description

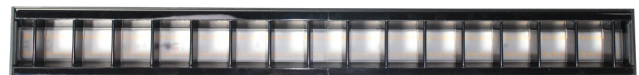
The Prime Shadow features a parabolic black louver that offers outstanding light shielding and an attractive, crisp visual texture. Its black parabolic blade design, along with side reflectors, effectively reduce glare by absorbing more light.

Black louvers can create a more dramatic or industrial aesthetic, fitting well in specific design contexts.

Efficacy ~55Lm/W & UGR <15

Prime shadow is available for all continuous sizes; 2FT, 4FT, 6FT, and 8FT

Pictures



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CONTROLS

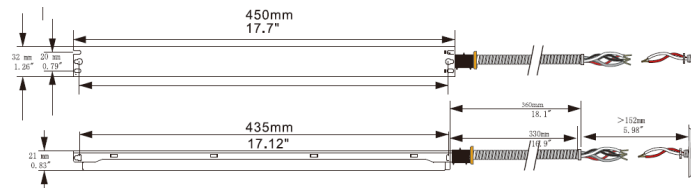
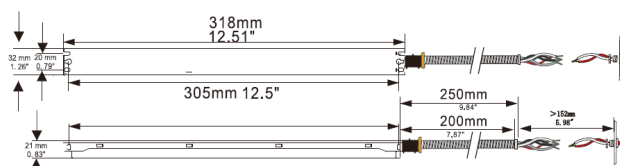
EMERGENCY LED DRIVER (BLD-YTXXD-XXX)

BLD-YT08D-XXX

BLD-YT15D-XXX



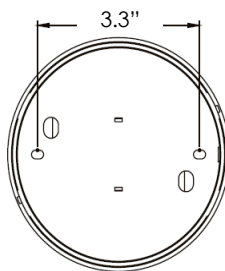
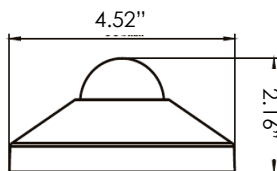
The BLD-YTXXD-XXX series LED Emergency Driver is UL listed for field and factory installations. It switches to emergency mode during power failures, providing up to 90 minutes of lighting. With an integrated battery, charger, and converter, it delivers 8 or 15W constant power at 30-60VDC. Its slim shape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



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

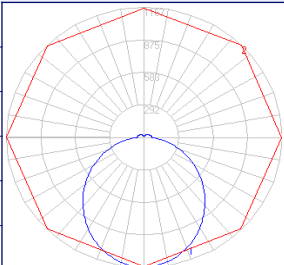
PHOTOMETRIC DATA

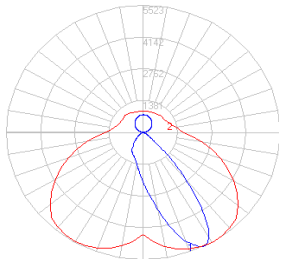
PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-G5CA220		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc		Beam Width	
Wattage	20W	0-20°	294.61	12.90		1.7ft	280 fc	5.0 ft	4.8 ft
CCT	4000K	0-30°	623.47	27.20		3.3ft	74.3 fc	9.7 ft	9.3 ft
Distribution	120°	0-40°	1017.77	44.40		5.0ft	32.4 fc	14.8 ft	14.0 ft
Length	2ft	0-60°	1789.99	78.10		6.7ft	18 fc	19.8 ft	18.8 ft
		0-80°	2225.05	97.10		8.3ft	11.7 fc	24.5 ft	23.3 ft
		0-90°	2265.42	98.90		10.0ft	8.09 fc	29.5 ft	28.1 ft
					■ Vert. Spread: 111.7° ■ Horiz. Spread: 109.1°				
PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-G5CA440		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc		Beam Width	
Wattage	40W	0-20°	525.87	12.9		1.7ft	500 fc	5.0 ft	4.8 ft
CCT	4000K	0-30°	1112.9	27.2		3.3ft	133 fc	9.7 ft	9.3 ft
Distribution	120°	0-40°	1816.72	44.4		5.0ft	57.8 fc	14.8 ft	14.0 ft
Length	4ft	0-60°	3194.96	78.1		6.7ft	32.2 fc	19.8 ft	18.8 ft
		0-80°	3971.71	97.1		8.3ft	21 fc	24.5 ft	23.3 ft
		0-90°	4043.77	98.9		10.0ft	14.4 fc	29.5 ft	28.1 ft
					■ Vert. Spread: 111.7° ■ Horiz. Spread: 109.1°				
PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-G5CA660		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc		Beam Width	
Wattage	60W	0-20°	751.25	12.9		1.7ft	714 fc	5.0 ft	4.8 ft
CCT	4000K	0-30°	1589.85	27.2		3.3ft	189 fc	9.7 ft	9.3 ft
Distribution	120°	0-40°	2595.32	44.4		5.0ft	82.5 fc	14.8 ft	14.0 ft
Length	6ft	0-60°	4564.23	78.1		6.7ft	46 fc	19.8 ft	18.8 ft
		0-80°	5673.88	97.1		8.3ft	29.9 fc	24.5 ft	23.3 ft
		0-90°	5776.82	98.9		10.0ft	20.6 fc	29.5 ft	28.1 ft
					■ Vert. Spread: 111.7° ■ Horiz. Spread: 109.1°				
PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-G5CA880		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc		Beam Width	
Wattage	80W	0-20°	981.56	12.90		1.7ft	933 fc	5.0 ft	4.8 ft
CCT	4000K	0-30°	2077.26	27.20		3.3ft	248 fc	9.7 ft	9.3 ft
Distribution	120°	0-40°	3390.97	44.40		5.0ft	108 fc	14.8 ft	14.0 ft
Length	8ft	0-60°	5963.5	78.10		6.7ft	60 fc	19.8 ft	18.8 ft
		0-80°	7413.33	97.10		8.3ft	39.1 fc	24.5 ft	23.3 ft
		0-90°	7547.83	98.90		10.0ft	27 fc	29.5 ft	28.1 ft
					■ Vert. Spread: 111.7° ■ Horiz. Spread: 109.1°				

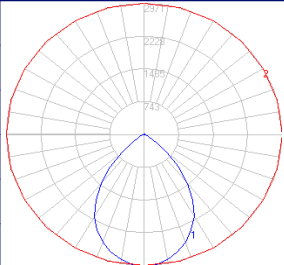
LINEAR LED LIGHT

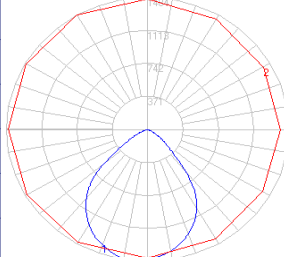
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PHOTOMETRIC DATA - DIFFUSER

PART NUMBER	ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION		
AE-SF-G5CA44030/35/40X-DL	Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	40W	0-20°	420.45		2.5ft	186 fc	6.5 ft 7.2 ft
CCT	4000K	0-30°	882.52		5.0ft	46.6 fc	12.9 ft 14.5 ft
Distribution	120°	0-40°	1428.38		7.5ft	20.7 fc	19.4 ft 21.7 ft
Length	4ft	0-60°	2493.86		10.0ft	11.6 fc	25.8 ft 28.9 ft
DROP LENS	0-80°	3150.06	89		12.5ft	7.45 fc	32.3 ft 36.2 ft
	0-90°	3267.17	92.3		15.0ft	5.17 fc	38.7 ft 43.4 ft
					<div> <div>■</div> Vert. Spread: 104.5° <div>■</div> Horiz. Spread: 110.7° </div>		

PART NUMBER	ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION		
AE-SF-G5CA45030/35/40X-WW	Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	50W	0-20°	931.99		2.5ft	347 fc	3.5 ft 1.4 ft
CCT	4000K	0-30°	2174.46		5.0ft	86.8 fc	6.9 ft 2.8 ft
Distribution	120°	0-40°	3457.33		7.5ft	38.6 fc	10.4 ft 4.1 ft
Length	4ft	0-60°	4537.37		10.0ft	21.7 fc	13.9 ft 5.5 ft
WALL WASH LENS	0-80°	4827.69	69.5		12.5ft	13.9 fc	17.3 ft 6.9 ft
	0-90°	4850.9	69.8		15.0ft	9.65 fc	20.8 ft 8.3 ft
					<div> <div>■</div> Vert. Spread: 69.5° <div>■</div> Horiz. Spread: 30.9° </div>		

PART NUMBER	ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION		
AE-SF-G5CA44030/35/40X-P	Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	40W	0-20°	967.59		2.5ft	178 fc	7.2 ft 6.9 ft
CCT	4000K	0-30°	1905.45		5.0ft	44.5 fc	14.4 ft 13.8 ft
Distribution	120°	0-40°	2736.19		7.5ft	19.8 fc	21.7 ft 20.7 ft
Length	4ft	0-60°	3454.72		10.0ft	11.1 fc	28.9 ft 27.6 ft
PRIME	0-80°	3483.38	99.5		12.5ft	7.11 fc	36.1 ft 34.5 ft
	0-90°	3485.56	99.6		15.0ft	4.94 fc	43.3 ft 41.5 ft
					<div> <div>■</div> Vert. Spread: 110.6° <div>■</div> Horiz. Spread: 108.2° </div>		

PART NUMBER	ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION		
AE-SF-G5CA44030/35/40X-PS	Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	40W	0-20	523.96		2.5ft	233 fc	3.1 ft 5.1 ft
CCT	4000K	0-30	1069.19		5.0ft	58.4 fc	6.3 ft 10.3 ft
Distribution	120°	0-40	1601.34		7.5ft	25.9 fc	9.4 ft 15.4 ft
Length	4ft	0-60	2178.89		10.0ft	14.6 fc	12.5 ft 20.5 ft
PRIME SHADOW	0-80	2230.17	99.7		12.5ft	9.34 fc	15.6 ft 25.6 ft
	0-90	2231.01	99.8		15.0ft	6.49 fc	18.8 ft 30.8 ft
					<div> <div>■</div> Vert. Spread: 64.0° <div>■</div> Horiz. Spread: 91.5° </div>		

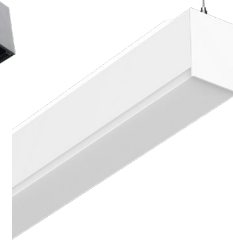
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OVERVIEW

**Innovative Design**

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

**Diffusers**

- Polycarbonate lens
- Wall-wash lens
- 0.5-inch drop lens
- Black/silver parabolic louver

**Multiple Options**

- Five standard length available; 2, 4, 5, 6, & 8ft.
- Three CCT switchable and power tunable.
- Black, white, silver, & gun powder finishes.

Emergency
backup battery**Mountings Available**

- Suspended (refer to the suspended spec sheet)
- Wall mount
- Surface mount (refer to the surface mount spec sheet)
- Recessed T-grid (refer to the recessed T-grid spec sheet)

**Features**

- 1% dimming option
- Lutron Hi-lume Ecosystem driver with Soft-on

**Tests And Certifications**