

# G6

## LINEAR LED LIGHT

### Suspended Architecture Linear | 1.5" Aperture | Direct

The G6 series is a revolutionary compact product features slim profile with the ability to adjust lumen output. Whether its pendant mount or wall mount; Our linear supports continuous runs, creating a unified lighting design that enhances the aesthetic of any environment. Custom designs are achievable; X-T-L shapes , in addition to wall wash optic. Applications: Art Galleries | Office | Retail Stores | Hospitality | Education

	DATE	QTY	ACC. QTY	TYPE
PROJECT				
PN				
ACCESSORY PN				
NOTES				



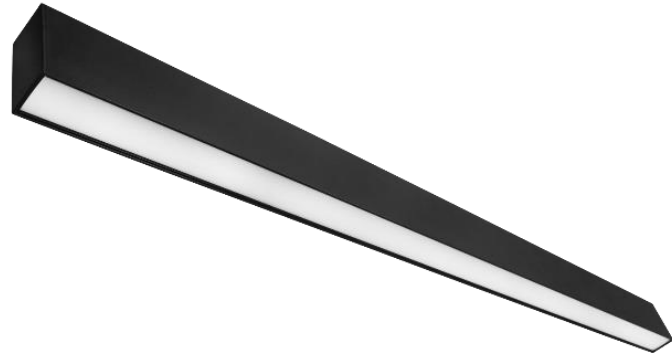
#### DYNAMIC MENU

Order Information	<a href="#">Page 2</a>
Dimensions	<a href="#">Page 4</a>
Accessories	<a href="#">Page 7</a>
Photometric Data	<a href="#">Page 10</a>

[Install Instruction link](#)

#### SPECIFICATIONS

Input Voltage	120-347V			
Power Factor	>0.9			
Total Harmonic Distortion	<20%			
Dimming <a href="#">Page 6</a>	0-10V dimming			
CRI	90 CRI			
CCT	<span>30K</span> <span>35K</span> <span>40K</span>			
Efficacy	~87-91 lm/W		Up to 890 lm/ft	
Length	2'	4'	6'	8'
Power	20W	40W	50W	70W
Ambient Temperature Range	-10°C to 40°C			
Mounting Options				
Fixture Finish	Black   White   Silver   Gun powder 			
Custom Design	Continuous runs			
Optics	Polycarbonate lens Wall Wash			



#### 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-G6-A-CA</b>		<b>-B-P</b>	<b>30-35-40</b>	<b>-010</b>	
<b>AE-SF-G6-A-CA</b> ERALUX G6 Linear Architectural Fixture 120-347V input voltage	<b>2   20</b> 2ft   20W up to 1,740lm <b>4   40</b> 4ft   40W up to 3,480lm <b>6   50</b> 6ft   50W up to 4,350lm <b>8   70</b> 8ft   70W up to 6,090lm <b>C</b> Continuous length increment of 2ft <sup>1</sup> (Select or type the length then click on 'C')	<b>-B-P</b> 90 CRI	<b>30-35-40<sup>2</sup></b> 3000/3500/4000K selectable	<b>-010</b> 0-10V external dimming down to 10%	<b>-PL</b> Full length polycarbonate <b>-WW</b> Wall Wash

Fixture Family	Length   Power	CRI	CCT	Dimming	Diffuser
<b>-WH</b> White <b>-BK</b> Black <b>-SV</b> Silver <b>-GN</b> Gun powder	<b>[BLANK]</b> No option <b>LDE1<sup>3</sup></b> Fade-to-Black down to 1% <b>EMBB<sup>4</sup></b> Emergency battery backup <b>1DIM<sup>5</sup></b> 1% Dimming	<b>-PU</b> <b>-PU18</b> <b>-PH</b> <b>-PH18</b>	<b>[BLANK]</b> No Canopy <b>-C</b>	<b>[BLANK]</b> Standard 6 FT suspension cables <b>-W18</b>	

Finish	Option	Power Cord	Canopy	Aircraft Cable
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REFER BELOW FOR DETAILED DESCRIPTION FOR SUSPENSIONS KIT

<b>-PU</b>	8ft power cord 120-277V   8ft aircraft cable	<b>-PU18-W18</b>	18ft power cord 120-277V   18ft aircraft cable
<b>-PU-C</b>	8ft power cord 120-277V   8ft aircraft cable   2 pieces of 5-inch canopies	<b>-PU18-C-W18</b>	18ft power cord 120-277V   18ft aircraft cable   2 pieces of 5-inch canopies
<b>-PH</b>	8ft power cord 120-347V   8ft suspension wires	<b>-PH18-W18</b>	18ft power cord 120-347V   18ft suspension wires
<b>-PH-C</b>	8ft power cord 120-347V   8ft aircraft cable   2 pieces of 5-inch canopies	<b>-PH18-C-W18</b>	18ft power cord 120-347V   18ft aircraft cable   2 pieces of 5-inch canopies

#### NOTES

- For increment of 1ft, contact factory
- Default CCT setting is 3500K but can be changed upon request before shipping.
- LDE1 is a Lutron Hi-lume EcoSystem driver with Soft-on, it requires color selection if not the default CCT, 3500K.
- EMBB option available in 120-277V only.
- 1DIM available only in 120-277V, it works for 4,6,8 FT

#### 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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### ORDERING GUIDE – CUSTOM DESIGN

<b>AE-SF-G6-</b>				<b>-30-35-40</b>	<b>-010</b>	
<b>AE-SF-G6-</b> ERALUX G6 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>30-35-40</b> <sup>1</sup> 3000/3500/4000K selectable	<b>-010</b> 0-10V	<b>-WH</b> White <b>-BK</b> Black <b>-SV</b> Silver <b>-GN</b> Gun powder

Fixture Family	Side 1	Side 2	Design	CCT	Dimming	Finish
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Rectangle	X - Shape	L - Shape	T - Shape
For square , S1 equal to S2. S1 & S2 ≥ 2FT	Symmetrical sides	For equal sides , S1 equal to S2.	Symmetrical side

<b>NOTES</b>	<ul style="list-style-type: none"> <li>• Only available with polycarbonate lens</li> <li>• For more complex designs, contact factory</li> <li>• The precise dimensions will be provided by factory upon request or refer to the dimensions in page 6.</li> </ul>
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### ORDERING GUIDE – TRIAC Dimming

<b>AE-SF-G6-A-CA</b>		<b>-B-P</b>		<b>-TRI-PL</b>	
<b>AE-SF-G6-A-CA</b> ERALUX G6 Linear Architectural Fixture	<b>2   15</b> 2ft   20W   3,150lm <b>4   40</b> 4ft   40W   5,250lm <b>8   80</b> 6ft   80W   10,500lm	<b>-B-P</b> 90 CRI	<b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K	<b>-TRI-PL</b> TRIAC Dimming Full length polycarbonate lens	<b>-WH</b> White <b>-BK</b> Black

Fixture Family	Length   Power	CRI	CCT	Dimming   Lens	Finish
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**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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### DIMENSIONS

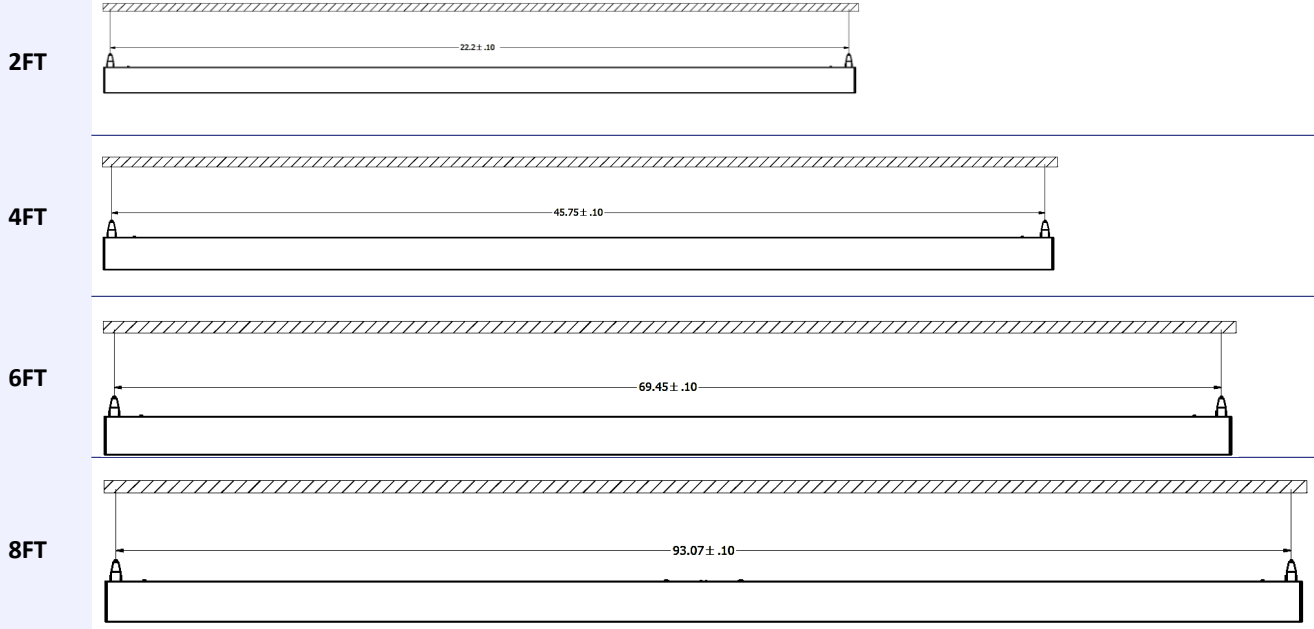
SIZE	TOP/BOTTOM VIEW	SIDE VIEW
2FT		
3FT		
4FT		
6FT		
8FT		

## LINEAR LED LIGHT

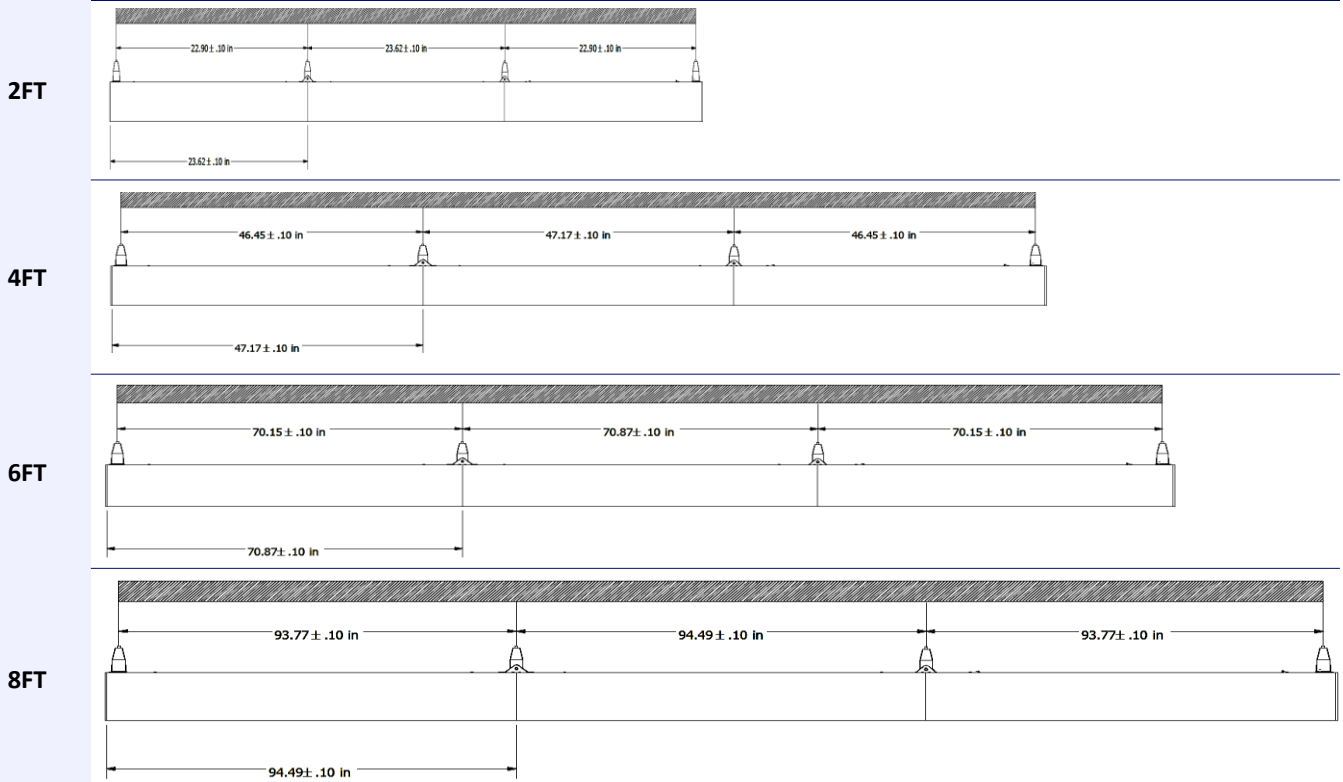
Suspended Architecture Linear | 1.5" Aperture | Direct

### DRILLING PATTERN

#### SIZE STAND ALONE INSTALLATION



#### SIZE CONTINUOUS RUN INSTALLATION



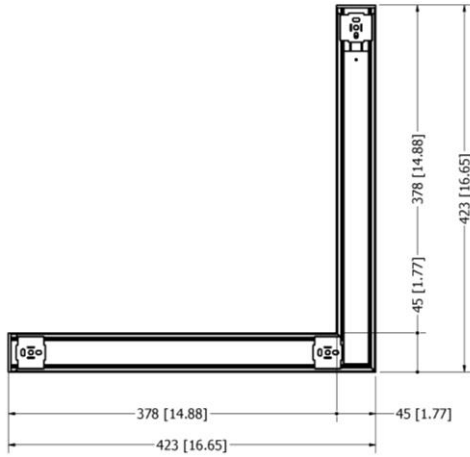
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Suspended Architecture Linear | 1.5" Aperture | Direct

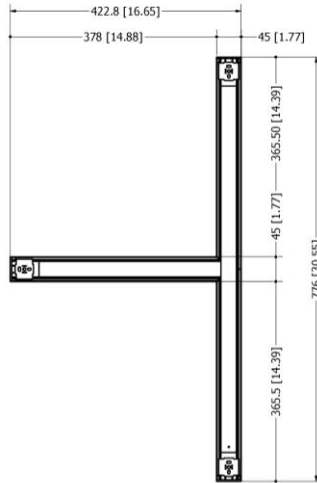
### DIMENSIONS Custom Design

#### SHAPES

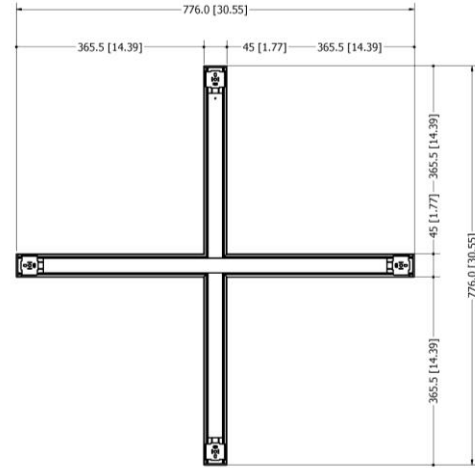
**L-SHAPE**  
AE-SF-G6-1-1-L



**T-SHAPE**  
AE-SF-G6-1-1-T



**X-SHAPE**  
AE-SF-G6-1-1-X



### 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		

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### ACCESSORIES FOR SUSPENDED

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	

#### CANOPY

ORDER CODE	DESCRIPTION	PICTURE
AE-SF-CANOPY-WH-5IN AE-SF-CANOPY-BK-5IN	2 pieces per set   white / black   5" canopy 0.8" thickness One for power cord/aircraft cable and one for aircraft cable	
AE-SF-CANOPY-WH-5IN-SUSP AE-SF-CANOPY-BK-5IN-SUSP	1 piece   white / black 5" canopy 0.8" thickness for aircraft cable	
AE-SF-CANOPY-WH-ELITE AE-SF-CANOPY-BK-ELITE	2 pieces per set   white / black 5" canopy 0.3" thickness ; One for power cord/aircraft cable and one for aircraft cable	

#### AIRCRAFT CABLE

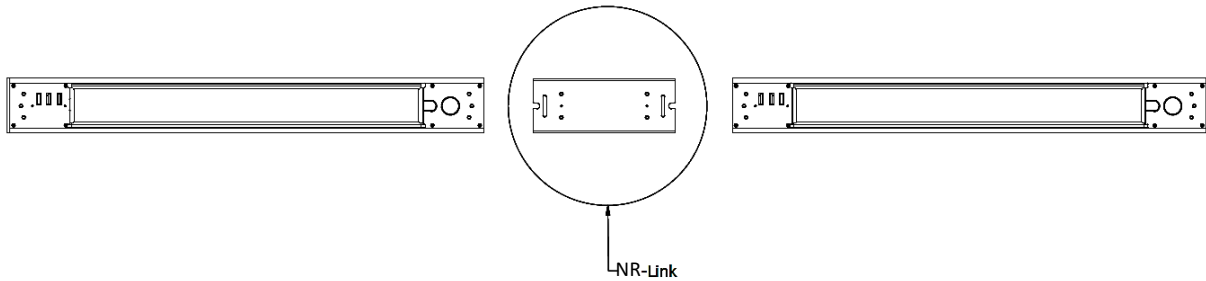
ORDER CODE	DESCRIPTION	PICTURE
AE-SF-G5/SPT-WIRE-8FT	8ft aircraft cable   2 pieces per set   1 set / fixture	
AE-SF-G5/SPT-WIRE-18FT	18ft aircraft cable   2 pieces per set   1 set / fixture	

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### ACCESSORIES

For Continuous Run



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

### DIFFUSER OPTIONS

#### Wall Wash Lens

Description	Pictures
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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; 4FT and 8FT.





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### CONTROLS

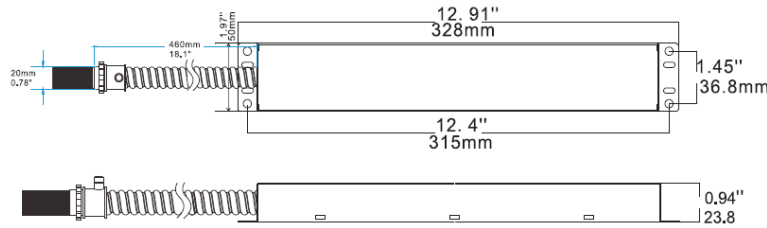
Ordered separately, field installed

#### EMERGENCY LED DRIVER (BLD-HMXXD-YYY)

BLD-HM8D-YYY



The BLD-HMXXD-YYY 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 6-25W constant power at 170VDC. Ideal for 0-10V dimmable indoor commercial LED fixtures, such as flat panels, troffers, downlights, and linear strip lights.

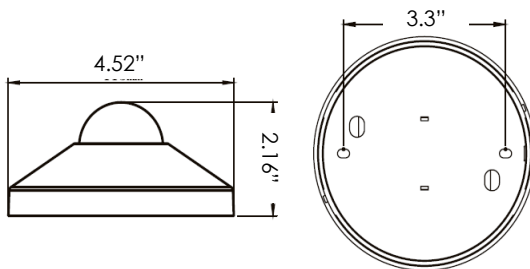


SPECIFICATIONS	
Input Voltage	100-347 Vac
Power Frequency	50/60HZ
Input Power	8W max
Output Voltage	170V Dc
Output Power	8W
Ambient Temperature	0°C to 50°C
	30°F to 122°F
Installation	Remote

### 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-G6-A-CA-440		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	40W	0-20°	529.17	14.70		2.5ft	236 fc	6.2 ft 5.3 ft
CCT	3000K	0-30°	1098.74	30.50		5.0ft	58.9 fc	12.4 ft 10.5 ft
Distribution	95°	0-40°	1749.95	48.60		7.5ft	26.2 fc	18.6 ft 15.8 ft
Length	4ft	0-60°	2921.83	81.20		10.0ft	14.7 fc	24.8 ft 21.0 ft
		0-80°	3490.93	97.00		12.5ft	9.43 fc	31.0 ft 26.3 ft
		0-90°	3530.26	98.10		15.0ft	6.55 fc	37.2 ft 31.6 ft
						<span style="color:blue">■</span> Vert. Spread: 102.2° <span style="color:red">■</span> Horiz. Spread: 92.9°		
AE-SF-G6-A-CA-440		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	50W	0-20°	549.91	16.2		2.5ft	250 fc	5.8 ft 4.7 ft
CCT	3500K	0-30°	1130.73	33.4		5.0ft	62.4 fc	11.6 ft 9.4 ft
Distribution	95°	0-40°	1782.06	52.6		7.5ft	27.7 fc	17.3 ft 14.1 ft
Length	4ft	0-60°	2902.16	85.7		10.0ft	15.6 fc	23.1 ft 18.8 ft
		0-80°	3382.01	99.8		12.5ft	9.99 fc	28.9 ft 23.5 ft
		0-90°	3387.73	100		15.0ft	6.94 fc	34.7 ft 28.2 ft
						<span style="color:blue">■</span> Vert. Spread: 98.3° <span style="color:red">■</span> Horiz. Spread: 86.6°		
AE-SF-G6-A-CA-440		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	40W	0-20°	566.92	16.20		2.5ft	257 fc	5.8 ft 4.7 ft
CCT	4000K	0-30°	1165.7	33.40		5.0ft	64.3 fc	11.6 ft 9.4 ft
Distribution	95°	0-40°	1837.18	52.60		7.5ft	28.6 fc	17.3 ft 14.1 ft
Length	4ft	0-60°	2991.91	85.70		10.0ft	16.1 fc	23.1 ft 18.8 ft
		0-80°	3486.6	99.80		12.5ft	10.3 fc	28.9 ft 23.5 ft
		0-90°	3492.5	100.00		15.0ft	7.15 fc	34.7 ft 28.2 ft
						<span style="color:blue">■</span> Vert. Spread: 98.3° <span style="color:red">■</span> Horiz. Spread: 86.6°		
AE-SF-G6-A-CA-440		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width	
Wattage	50W	0-20°	395.54	15.7		2.5ft	176 fc	5.8 ft 3.8 ft
CCT	3500K	0-30°	819.37	32.6		5.0ft	44.1 fc	11.6 ft 7.7 ft
Distribution	95°	0-40°	1291.53	51.3		7.5ft	19.6 fc	17.4 ft 11.5 ft
Length	4ft	0-60°	2078.68	82.6		10.0ft	11 fc	23.2 ft 15.3 ft
		0-80°	2461.84	97.8		12.5ft	7.05 fc	29.0 ft 19.2 ft
		0-90°	2488.97	98.9		15.0ft	4.9 fc	34.8 ft 23.0 ft
						<span style="color:blue">■</span> Vert. Spread: 98.4° <span style="color:red">■</span> Horiz. Spread: 75.0°		

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### OVERVIEW



#### Innovative Design

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



#### Diffusers

- Polycarbonate lens
- Wall-wash lens



#### Multiple Options

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



Emergency backup battery



#### Mountings Available

- Suspended.
- Wall mount (refer to the wall-mount spec sheet)



#### Features

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



#### Tests And Certifications

