

## LINEAR LED LIGHT

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

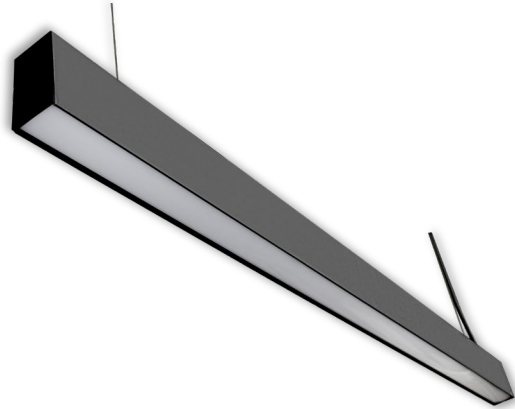
The SPS series is a revolutionary compact product features slim profile with the ability to adjust lumen output and offers a variety of indirect and direct options. It even offers the unique option of 100% indirect. Whether its pendant mount or wall mount; our linear supports continuous runs, creating a unified lighting design that enhances the aesthetic of any environment, in addition to wall wash optic.

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

	DATE	QTY	ACC. QTY	TYPE
PROJECT				
PN				
ACCESSORY PN				
NOTES				

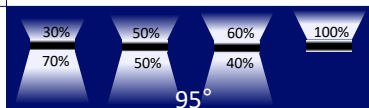
DYNAMIC MENU	
Order Information	<a href="#">Page 2</a>
Dimensions	<a href="#">Page 5</a>
Accessories	<a href="#">Page 7</a>
Photometric Data	<a href="#">Page 10</a>

[Install Instruction link](#)



### SPECIFICATIONS

Input Voltage	120-347V			
Power Factor	>0.9			
Total Harmonic Distortion	<20%			
Dimming <a href="#">Page 3</a>	0-10V dimming			
CRI	90 CRI			
CCT	30K	35K	40K	50K
Efficacy	~75-88 lm/W		Up to 1100 lm/ft	
Length	2'   3'	4'	6'	8'
Power	30W	50W	80W	100W
Ambient Temperature Range	-10°C to 40°C			
Mounting Options	Suspended			
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-SPS-A-CA</b>		<b>-B-P</b>		<b>-010</b>	
<b>AE-SF-SPS-A-CA</b> ERALUX SPS Linear Architectural Fixture 120-347V input voltage	<b>-2   30</b> 2ft   20/30W up to 2,460lm <b>-3   30</b> 3ft   20/30W up to 2460lm <b>-4   50</b> 4ft   30/40/50W up to 4,100lm <b>-6   80</b> 6ft   50/60/80W up to 6,560lm <b>-8   100</b> 8ft   60/80/100W up to 8,200lm <b>C</b> Continuous length increment of 1ft (Select or type the length then click on 'C')	<b>-B-P</b> 90 CRI	<b>30-35-40<sup>1</sup></b> 3000/3500/4000K selectable <b>30-40-50</b> 3000/4000/5000K selectable	<b>-010</b> 0-10V external dimming down to 10%	<b>-PL</b> Full length polycarbonate <b>-WW<sup>2</sup></b> Wall Wash

Fixture Family	Length   Power	CRI	CCT	Dimming	Diffuser
<b>-WH</b> White	<b>[BLANK]</b> 30% direct   70% indirect	<b>[BLANK]</b> No option	<b>-PU</b>	<b>[BLANK]</b> No Canopy	<b>[BLANK]</b> Standard 8 FT suspension cables
<b>-BK</b> Black	<b>-60U40D<sup>3</sup></b> 40% direct   60% indirect	<b>LDE1<sup>4</sup></b> Fade-to-Black down to 1%	<b>-PU18</b>	<b>-C</b>	<b>-W18</b>
<b>-SV</b> Silver	<b>-50U50D<sup>3</sup></b> 50% direct   50% indirect	<b>EMBB<sup>5</sup></b> Emergency battery backup	<b>-PH</b>		
<b>-GN</b> Gun powder	<b>-100U<sup>3</sup></b> 0% direct   100% indirect	<b>1DIM<sup>6</sup></b> 1% Dimming	<b>-PH18</b>		

Finish	Distribution	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

- Default CCT setting is 3500K but can be changed upon request before shipping.
- Wall wash diffuser comes in single CCT, specify the CCT when ordering.
- 50, 60 & 100% up light are not CCT switchable
- 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 – TRIAC Dimming

<b>AE-SF-SPS-A-CA</b>		<b>-B-P</b>		<b>-TRI-PL</b>	
ERALUX SPS Linear Architectural Fixture	<b>2   15</b> 2ft   20W   3,150lm	<b>-B-P</b> 90 CRI	<b>30</b> 3000K	<b>-TRI-PL</b> TRIAC Dimming Full length polycarbonate lens	<b>-WH</b> White
Standard 30% indirect 70% direct light	<b>4   40</b> 4ft   40W   5,250lm		<b>35</b> 3500K		<b>-BK</b> Black
	<b>8   80</b> 6ft   80W   10,500lm		<b>40</b> 4000k		
<b>Fixture Family</b>	<b>Length   Power</b>	<b>CRI</b>	<b>CCT</b>	<b>Dimming   Lens</b>	<b>Finish</b>

**CAUTION:**

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- Maximum of 300W per electrical drop.

### 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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### LUMEN OUTPUT

LENGTH	Efficacy	Power	100% Indirect	70% Direct   30% Indirect
2FT & 3FT	Avg 100-110 LPW	20/30 watts switchable	20W only   2200 lm	14W   1540 lm down, 6W   660 lm up
				21W   2310 lm down, 9W   990 lm up
4FT		30/40/50 watts switchable	40W only   4400 lm	21W   2310 lm down, 9W   990 lm up
				28W   3080 lm down, 12W   1320 lm up
				35W   3850 lm down, 15W   1650 lm up
6FT		50/60/70 watts switchable	50W   5500 lm	35W   3850 lm down, 15W   1650 lm up
				42W   4620 lm down, 18W   1980 lm up
8FT		60/80/100 watts switchable	60W   6600 lm	49W   5390 lm down, 21W   2310 lm up
				42W   4620 lm down, 18W   1980 lm up
			80W   8800 lm	56W   6160 lm down, 24W   2640 lm up
	70W   7700 lm down, 30W   3300 lm up			

LENGTH	40% Direct   60% Indirect	50% Direct   50% Indirect
2FT & 3FT	8W   880 lm down, 12W   1320 lm up	10W   1100 lm up & down
	12W   1320 lm down, 18W   1980 lm up	15W   1650 lm up & down
4FT	12W   1320 lm down, 18W   1980 lm up	15W   1650 lm up & down
	16W   1760 lm down, 24W   2640 lm up	20W   2200 lm up & down
	20W   2200 lm down, 30W   3300 lm up	25W   2750 lm up & down
6FT	20W   2200 lm down, 30W   3300 lm up	25W   2750 lm up & down
	24W   2640 lm down, 36W   3960 lm up	30W   3300 lm up & down
8FT	28W   3080 lm down, 42W   4620 lm up	35W   3850 lm up & down
	24W   2640 lm down, 36W   3960 lm up	30W   3300 lm up & down
	32W   3520 lm down, 48W   5280 lm up	40W   4400 lm up & down
	40W   4400 lm down, 60W   6600 lm up	50W   5500 lm up & down

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### DIMENSIONS

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

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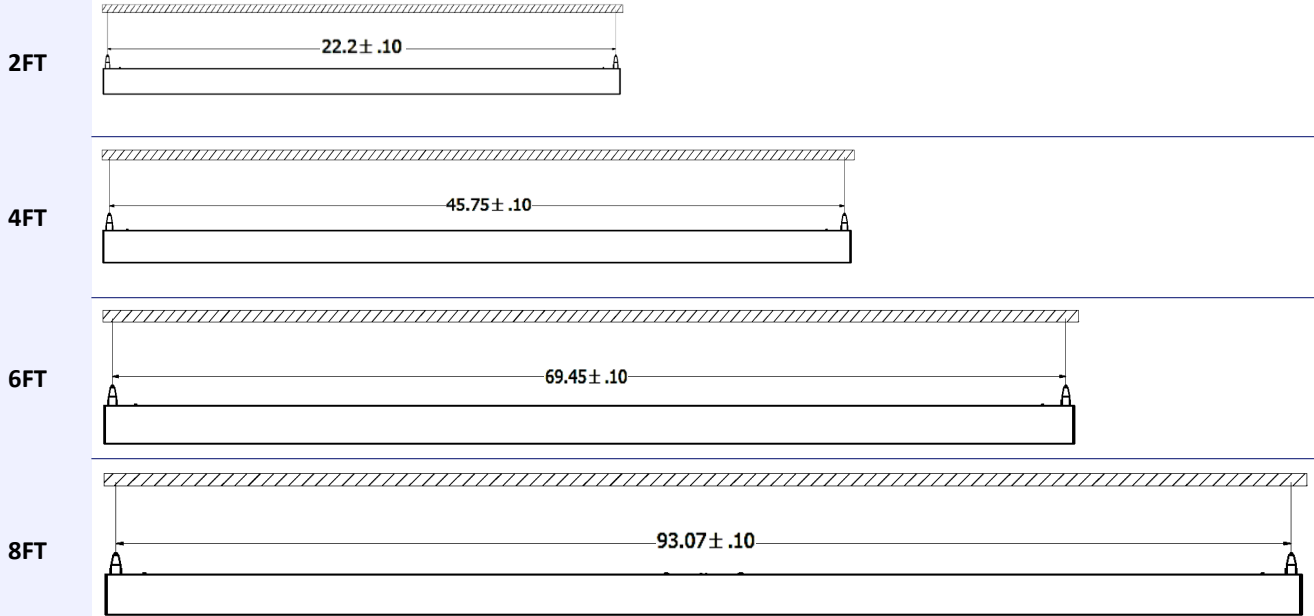
Suspended Architecture Linear | 1.5" Aperture | Direct/Indirect

### DRILLING PATTERN

SIZE



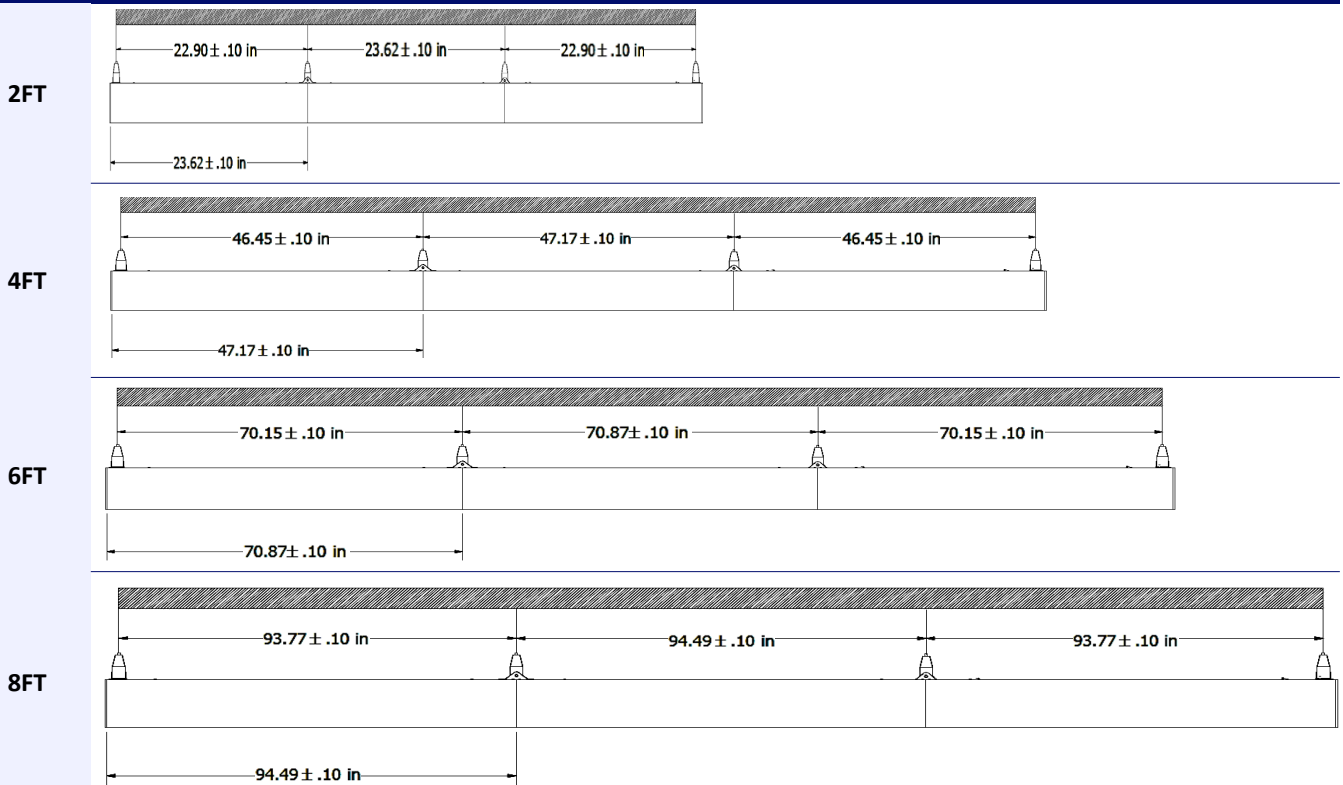
STAND ALONE INSTALLATION



SIZE



CONTINUOUS RUN INSTALLATION



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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

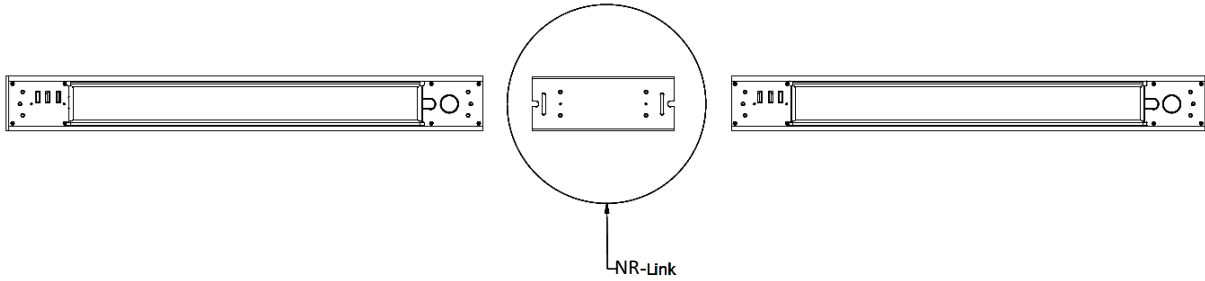
ORDER CODE	DESCRIPTION	PICTURE
AE-SF-G6/SPS-WIRE-8FT	8ft aircraft cable   2 pieces per set   1 set / fixture	
AE-SF-G6/SPS-WIRE-18FT	18ft aircraft cable   2 pieces per set   1 set / fixture	

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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

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

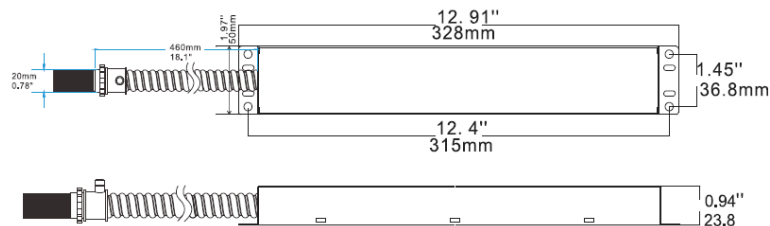
Ordered separately, field installed

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.

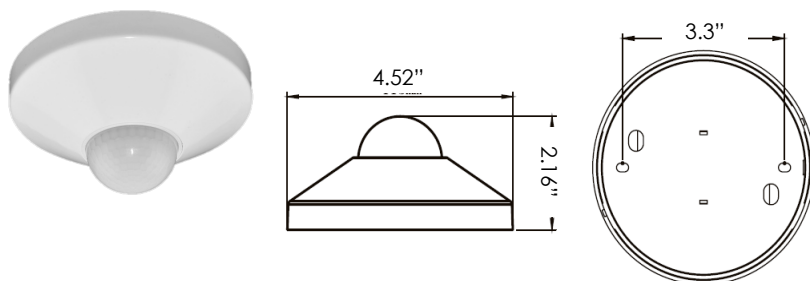


SPECIFICATIONS	
Input Voltage	100-347 Vac
Power Frequency	50/60HZ
Input Power	8W max
Output Voltage	170V Dc
Output Power	8W
Ambient Temperature	0°C to 50°C
	30°F to 122°F
Installation	Remote

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-SPS-A-CA-450		Zone	Lumens	% Fixture	Direct / Indirect Light	Center Beam Fc	Beam Width		
Wattage	40W	0-20°	404.75	9.70		2.5R	191 fc	6.6 ft	5.3 ft
CCT	3500K	0-30°	828.84	19.80		5.0R	47.7 fc	13.1 ft	10.6 ft
Distribution	95°	0-40°	1313.54	31.40		7.5R	21.2 fc	19.7 ft	15.9 ft
Length	4ft	0-60°	2223.66	53.20		10.0R	11.9 fc	26.2 ft	21.2 ft
Proportion	30% up 70% down	0-80°	2728.82	65.30		12.5R	7.63 fc	32.8 ft	26.5 ft
		0-90°	2791.1	66.80		15.0R	5.3 fc	39.3 ft	31.8 ft
						<span style="color:blue">■</span> Vert. Spread: 105.3° <span style="color:red">■</span> Horiz. Spread: 93.3°			
PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-SPS-A-CA-450		Zone	Lumens	% Fixture	Indirect Light	Center Beam Fc	Beam Width		
Wattage	40W	90-110°	149.26	4.4		2.5R	250 fc	5.8 ft	4.7 ft
CCT	3500K	90-120°	485.57	14.3		5.0R	62.4 fc	11.6 ft	9.4 ft
Distribution	95°	90-130°	988.01	29.2		7.5R	27.7 fc	17.3 ft	14.1 ft
Length	4ft	90-150°	2257	66.6		10.0R	15.6 fc	23.1 ft	18.8 ft
Proportion	100% up	90-180°	3387.73	100		12.5R	9.99 fc	28.9 ft	23.5 ft
		110-180°	3238.47	95.6		15.0R	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°			
PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-SPS-A-CA-450		Zone	Lumens	% Fixture	Direct / Indirect Light	Center Beam Fc	Beam Width		
Wattage	50W	0-20°	264.83	6.5		2.5R	120 fc	5.7 ft	4.6 ft
CCT	3500K	0-30°	543.66	13.4		5.0R	30.1 fc	11.4 ft	9.3 ft
Distribution	95°	0-40°	855.31	21		7.5R	13.4 fc	17.1 ft	13.9 ft
Length	4ft	0-60°	1388.72	34.1		10.0R	7.53 fc	22.8 ft	18.6 ft
Proportion	60% up 40% down	0-80°	1615.42	39.7		12.5R	4.82 fc	28.5 ft	23.2 ft
		0-90°	1617.97	39.7		15.0R	3.35 fc	34.2 ft	27.9 ft
						<span style="color:blue">■</span> Vert. Spread: 97.5° <span style="color:red">■</span> Horiz. Spread: 85.8°			
PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-SPS-A-CA-450		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width		
Wattage	50W	0-20°	395.54	15.7		2.5R	176 fc	5.8 ft	3.8 ft
CCT	3500K	0-30°	819.37	32.6		5.0R	44.1 fc	11.6 ft	7.7 ft
Distribution	95°	0-40°	1291.53	51.3		7.5R	19.6 fc	17.4 ft	11.5 ft
Length	4ft	0-60°	2078.68	82.6		10.0R	11 fc	23.2 ft	15.3 ft
WALL WASH LENS		0-80°	2461.84	97.8		12.5R	7.05 fc	29.0 ft	19.2 ft
		0-90°	2488.97	98.9		15.0R	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

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



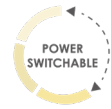
#### Diffusers

- 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.



#### Distribution

- 70% Direct & 30% Indirect light.
- 50% Direct & 50% Indirect light.
- 40% Direct & 60% Indirect light.
- 0% Direct & 100% Indirect light.
- 120° beam angle.



#### Mountings Available

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



#### Tests And Certifications



#### Features

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

