

G6 | SPS

The G6 & SPS are slim profile architectural linears with a 1.5in aperture. The G6 provides direct lighting, while the SPS delivers direct/indirect lighting. Both series support seamless continuous runs, custom designs and dedicated wall wash optics.

Art Galleries

Office

Retail Stores

Hospitality

Education



Project Information

Type: Date:
 Project:
 Catalog #:
 Notes:



Key Specifications

Electrical

Input voltage	120-277/347V
Power factor	> 0.9
THD	< 20%
Dimming	0-10V
Power	20W to 100W

Optical

CRI	90 CRI
CCT	30/35/40K or 30/40/50K
Efficacy	~75-91lm/W
Output	up to 1100lm/ft
Distribution	95°

Physical

Length	2ft · 3ft · 4ft · 6ft · 8ft
Mounting	Suspended · Wall
Fixture finish	Black · White · Silver
Optics	Polycarbonate · Wall wash
Custom design	Continuous runs · L, T, X
Ambient	-10°C to 40°C
Accessories	Emergency battery

Certifications

Listings	cETLus · RoHS
Warranty	5 years
Lumen maintenance	L85 at 50000h

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 thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

Lumen Maintenance

L85 at 50000h

Rated for 85% initial lumen output at 50000h of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

Ordering Guide - Fixture

Assembled Catalog Number

[RESET](#)

AE-SF-

01 FIXTURE FAMILY

G6-A-CA

G6
direct

SPS-A-CA

SPS
direct/indirect

02 LENGTH | POWER

-220

G6 2ft | 20W

-440

G6 4ft | 40W

-660

G6 6ft | 60W

-870

G6 8ft | 70W

-230

SPS 2ft | 30W

-330

SPS 3ft | 30W

-450

SPS 4ft | 50W

-680

SPS 6ft | 80W

-8100

SPS 8ft | 100W

03 CRI

-B-P

90 CRI

04 CCT

30-35-40

3000/3500/4000K

30-40-50

3000/4000/5000K

05 DIMMING

-010

0-10V to 10%

06 DIFFUSER

-PL

Full length
polycarbonate

-WW

Wall wash

07 MOUNTING

Blank

Suspended

-WM

Wall mounted

08 FINISH



-WH

White



-BK

Black



-SV

Silver

-RALXXXX

Custom color

09 DISTRIBUTION

Blank

Standard
70/30 or 30/70

-60U40D

40% direct
60% indirect

-50U50D

50% direct
50% indirect

-100U

100% indirect

10 OPTION

Blank

No option

-LDE1

Fade-to-Black
to 1%

-EMBB

Emergency
battery

-1DIM

1% dimming

Ordering Guide - Fixture (continued)

11

POWER CORD

Blank No cord	-PH-C 8ft cord + canopies	-PH18-C 18ft cord + canopies
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12

AIRCRAFT CABLE

Blank Standard 8ft cables	-W18 18ft cables
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One guide covers both families and both mountings; unavailable combinations grey out as you click. Ordering notes are on the next page.

Ordering Notes & Custom Design

Ordering notes

Default CCT 3500K, changeable before shipping. Wall wash comes in a single CCT — specify it. 60% and 100% uplight are not CCT switchable or 5000K compatible; 100% uplight is 4 and 8ft, black and white only. LDE1 needs colour selection. EMBB and 1DIM: 120-277V only; 1DIM 4, 6 and 8ft. The 8ft aircraft cable is ordered separately. Continuous lengths use _____C (G6 2ft, SPS 1ft). L-shapes available; contact factory.

Caution: where several fixtures share one 0-10V dimming line, a 0-10V controller must be used for consistent dimming; a single switch is not recommended for controlling multiple fixtures simultaneously. Maximum of 300W per electrical drop.

[Install Instruction G6](#) [Install Instruction](#) · [Install Instruction SPS](#)

Custom design

Assembled Catalog Number

[RESET](#)

AE-SF-G6

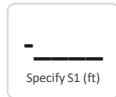
01 FIXTURE FAMILY



AE-SF-G6

ERALUX G6 Linear Architectural Fixture

02 SIDE 1



Specify S1 (ft)

03 SIDE 2



Specify S2 (ft)

04 DESIGN

-R

Rectangular

-L

L-shape

-T

T-shape

-X

X-shape

05 CCT

-30-35-40

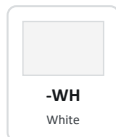
3000/3500/4000K

06 DIMMING

-010

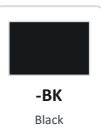
0-10V

07 FINISH



-WH

White



-BK

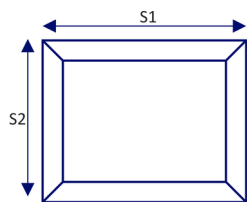
Black



-SV

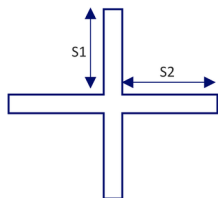
Silver

Ordering Notes & Custom Design (continued)



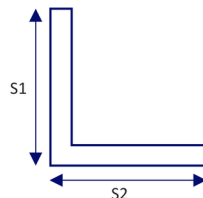
Rectangle

For a square $S1 = S2$. $S1$ and $S2 \geq 2\text{ft}$.



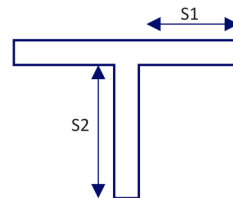
X - Shape

Symmetrical sides.



L - Shape

For equal sides $S1 = S2$.



T - Shape

Symmetrical side.

Custom designs are only available with the polycarbonate lens. For more complex designs contact factory. The precise dimensions are provided by the factory on request — see the Dimensions page.

Ordering Guide - TRIAC Dimming

Assembled Catalog Number

[RESET](#)

AE-SF-G6-A-CA

01 **FIXTURE FAMILY**



AE-SF-G6-A-CA

ERALUX G6 Linear · order AE-SF-SPS-A-CA for the SPS version

02 **LENGTH | POWER**

-215

2ft | 15W
3150lm

-440

4ft | 40W
5250lm

-880

8ft | 80W
10500lm

03 **CRI**

-B-P

90 CRI

04 **CCT**



30

3000K



35

3500K



40

4000K

05 **DIMMING | LENS**

-TRI-PL

TRIAC dimming
PC lens

06 **FINISH**



-WH

White



-BK

Black

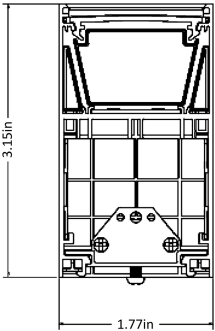
TRIAC dimming is available on the 2, 4 and 8ft fixtures in black or white, with the full length polycarbonate lens.

Caution: where several fixtures share one 0-10V dimming line, a 0-10V controller must be used for consistent dimming; a single switch is not recommended for controlling multiple fixtures simultaneously. Maximum of 300W per electrical drop.

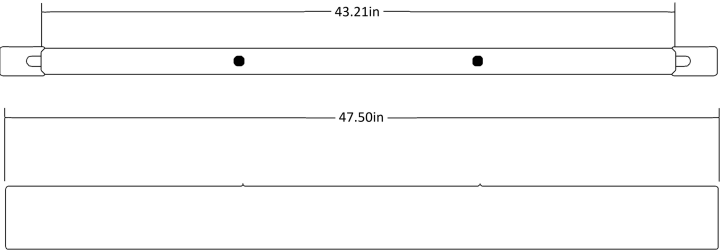
Dimensions

SIZE	FIXTURE	MOUNTING PLATE
2ft	23.85in	19.56in
3ft	35.63in	31.34in
4ft	47.50in	43.21in
6ft	70.87in	66.77in
8ft	94.49in	90.43in

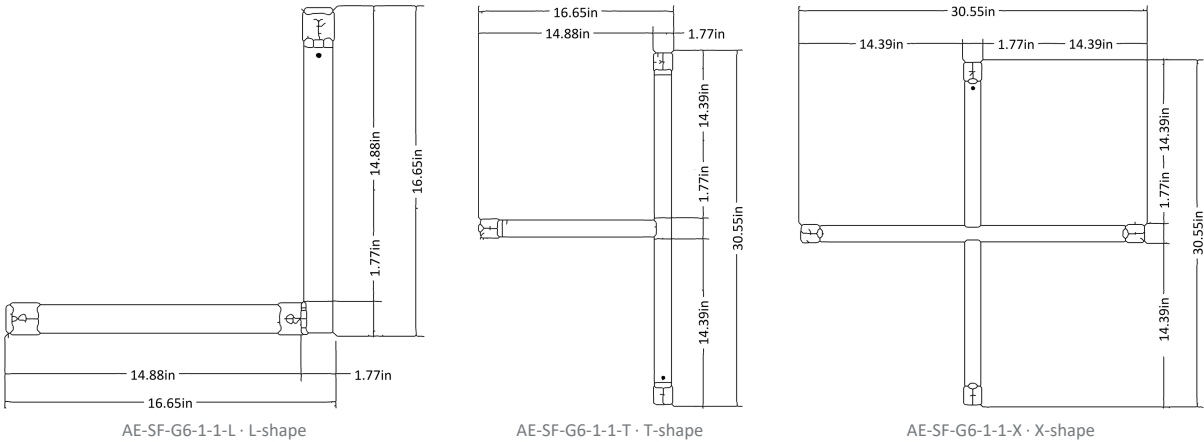
Section 1.77in wide x 3.15in high. 3ft is not available for suspended direct or wall mount direct.



Top / bottom view - 4ft shown



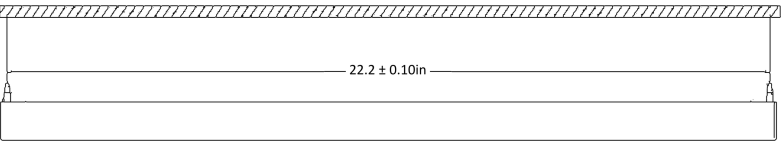
Custom shapes



Custom shape drawings are dimensioned in inches.

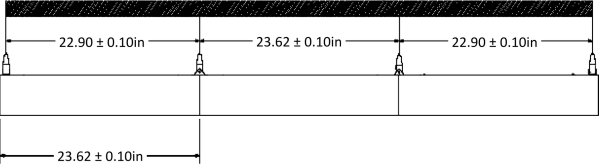
Drilling Patterns

Suspended — stand alone



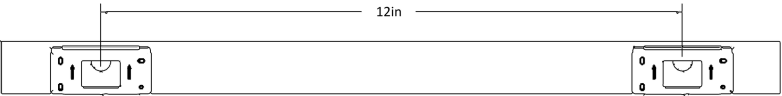
SIZE	SPACING
2ft	22.2 ± 0.10in
4ft	45.75 ± 0.10in
6ft	69.45 ± 0.10in
8ft	93.07 ± 0.10in

Suspended — continuous run



SIZE	END	MIDDLE
2ft	22.90 ± 0.10in	23.62 ± 0.10in
4ft	46.45 ± 0.10in	47.17 ± 0.10in
6ft	70.15 ± 0.10in	70.87 ± 0.10in
8ft	93.77 ± 0.10in	94.49 ± 0.10in

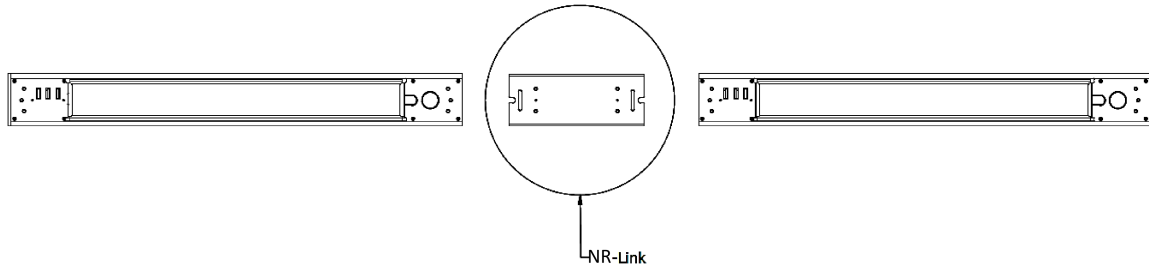
Wall mount — stand alone



SIZE	SPACING
2ft	12in
4ft	35.5in
6ft	59in
8ft	82.6in

Accessories

Continuous run link



AE-SF-LINK-NR — NR-Link, a seamless mechanical connection for continuous runs, preventing light leakage, with easy installation.

Wall mount kit



AE-SF-WMB-WH

Wall mount kit

White wall mount kit for linear fixture installation on walls. Black: AE-SF-WMB-BK.

Wall wash lens

Wall washing positions the luminaire at least 12in from the wall to smooth the wall by eliminating shadows or to highlight it. The wall wash lens is available for all continuous sizes, 4ft and 8ft.



Accessories - Suspension

Ordered separately if needed.

Power cord



AE-SF-PWRCORD-WH

8ft cord · 120-277V

White or black. Black: AE-SF-PWRCORD-BK. 18ft versions add -18FT.



AE-SF-PWRCORD-BK

8ft black cord · 120-277V

Black 120-347V cord: AE-SF-PWRCORD-HV-BK. 18ft versions add -18FT.



AE-SF-PWRCORD-HV-WH

8ft cord · 120-347V

White, black or clear: -HV-WH / -HV-BK / -CLR. 18ft versions add -18FT.

Canopy



AE-SF-CANOPY-WH-ELITE

5in canopy, 2 per set

White or black: -WH-ELITE / -BK-ELITE. 0.3in thick. One for the power cord and aircraft cable, one for the aircraft cable.

Aircraft cable



AE-SF-G6/SPS-WIRE-8FT

8ft aircraft cable

AE-SF-G6/SPS-WIRE-18FT for 18ft. 2 pieces per set, 1 set per fixture.

Features

Product features

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 lengths available: 2, 4, 6 & 8ft
	Three CCT switchable and power switchable
	Black, white & silver finishes
Mountings available	Suspended - Direct/Indirect · Wall mount - Direct/Indirect
Features	1% dimming option · Lutron Hi-lume EcoSystem driver with Soft-on

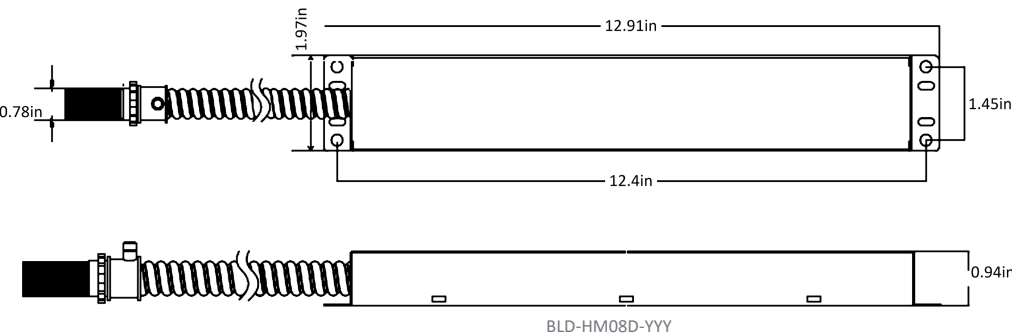
Emergency LED driver

BLD-HM08D-YYY	Emergency LED driver, 8W
BLD-HM15D-YYY	Emergency LED driver, 15W
BLD-HM25D-YYY	Emergency LED driver, 25W



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 90min of lighting. With an integrated battery, charger and converter it delivers 8W, 15W or 25W constant power at 170V DC. Ideal for 0-10V dimmable indoor commercial LED fixtures such as flat panels, troffers, downlights and linear strip lights.

Input voltage	100-347V
Power frequency	50/60Hz
Input power	6W max · 12W · 12W
Output voltage	170V DC
Output power	8W · 15W · 25W
Ambient temp.	0°C to 50°C · 30°F to 122°F
Installation	Remote



Lumen Output

Suspended | Direct

Average 87-90lm/W · 890lm/ft.

LENGTH	SWITCHABLE	OUTPUT POWER
2ft	15/20W switchable	15W 1305lm
		20W 1740lm
4ft	30/40W switchable	30W 2610lm
		40W 3480lm
6ft	35/50/60W switchable	35W 3045lm
		50W 4350lm
		60W 5220lm
8ft	60/80W switchable	60W 5220lm
		80W 6090lm

Suspended | Direct / Indirect

Average 100-110lm/W.

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

Lumen Output - Direct / Indirect Ratios

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

Photometric Data - Direct

Lumen Estimate Adjustment Factors

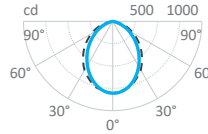
3000K × 0.94 3500K × 0.97 4000K × 1 5000K × 1.03

Lumen output varies based on CCT and CRI; multiply by the factor for the CCT ordered.

AE-SF-G6-A-CA-220

2ft • 4000K

		ZONE	LUMENS	% FIXTURE
		0-20°	283.36	16.65
Wattage	20.4W	0-30°	582.15	34.21
CCT	4000K	0-40°	915.72	53.82
Distribution	95°	0-60°	1478.35	86.88
Length	2ft	0-80°	1698.56	99.83
		0-90°	1701.51	100.00

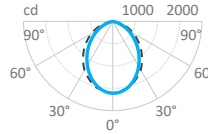


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	278	3.2ft 3.9ft
3.3ft	73.9	6.2ft 7.6ft
5.0ft	32.2	9.4ft 11.6ft
6.7ft	17.9	12.6ft 15.5ft
8.3ft	11.7	15.6ft 19.2ft
10.0ft	8.04	18.8ft 23.1ft
Vert. spread		86.6°
Horiz. spread		98.2°

AE-SF-G6-A-CA-440

4ft • 4000K

		ZONE	LUMENS	% FIXTURE
		0-20°	566.72	16.65
Wattage	40.9W	0-30°	1164.29	34.21
CCT	4000K	0-40°	1831.44	53.82
Distribution	95°	0-60°	2956.69	86.88
Length	4ft	0-80°	3397.12	99.83
		0-90°	3403.03	100.00

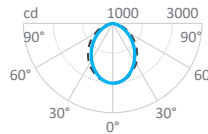


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	557	3.2ft 3.9ft
3.3ft	148	6.2ft 7.6ft
5.0ft	64.3	9.4ft 11.6ft
6.7ft	35.8	12.6ft 15.5ft
8.3ft	23.4	15.6ft 19.2ft
10.0ft	16.1	18.8ft 23.1ft
Vert. spread		86.6°
Horiz. spread		98.2°

AE-SF-G6-A-CA-660

6ft • 4000K

		ZONE	LUMENS	% FIXTURE
		0-20°	708.41	16.65
Wattage	51.1W	0-30°	1455.36	34.21
CCT	4000K	0-40°	2289.30	53.82
Distribution	95°	0-60°	3695.86	86.88
Length	6ft	0-80°	4246.40	99.83
		0-90°	4253.78	100.00

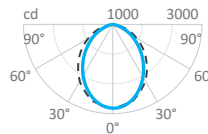


DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	696	3.2ft 3.9ft
3.3ft	185	6.2ft 7.6ft
5.0ft	80.4	9.4ft 11.6ft
6.7ft	44.8	12.6ft 15.5ft
8.3ft	29.2	15.6ft 19.2ft
10.0ft	20.1	18.8ft 23.1ft
Vert. spread		86.6°
Horiz. spread		98.2°

AE-SF-G6-A-CA-870

8ft • 4000K

		ZONE	LUMENS	% FIXTURE
		0-20°	991.77	16.65
Wattage	71.6W	0-30°	2037.51	34.21
CCT	4000K	0-40°	3205.01	53.82
Distribution	95°	0-60°	5174.21	86.88
Length	8ft	0-80°	5944.96	99.83
		0-90°	5955.30	100.00



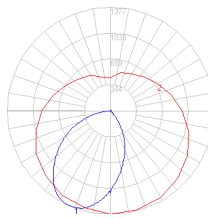
DISTANCE	CENTER Fc	BEAM WIDTH
1.7ft	974	3.2ft 3.9ft
3.3ft	259	6.2ft 7.6ft
5.0ft	113	9.4ft 11.6ft
6.7ft	62.7	12.6ft 15.5ft
8.3ft	40.9	15.6ft 19.2ft
10.0ft	28.2	18.8ft 23.1ft
Vert. spread		86.6°
Horiz. spread		98.2°

Photometric Data - Direct

AE-SF-G6-A-CA-440

4ft · 3500K · Wall wash

		ZONE	LUMENS	% FIXTURE
		0-20°	395.54	15.7
Wattage	50W	0-30°	819.37	32.6
CCT	3500K	0-40°	1291.53	51.3
Distribution	95°	0-60°	2078.68	82.6
Length	4ft	0-80°	2461.84	97.8
		0-90°	2488.97	98.9



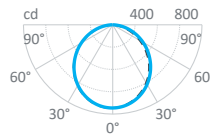
DISTANCE	CENTER Fc	BEAM WIDTH	
2.5ft	176	5.8ft	3.8ft
5.0ft	44.1	11.6ft	7.7ft
7.5ft	19.6	17.4ft	11.5ft
10.0ft	11	23.2ft	15.3ft
12.5ft	7.05	29.0ft	19.2ft
15.0ft	4.9	34.8ft	23.0ft
Vert. spread		98.4°	
Horiz. spread		75.0°	

Photometric Data - Direct/Indirect

AE-SF-SPS-A-CA-230

2ft • 4000K • 70/30

		ZONE	LUMENS	% FIXTURE
		0-20°	271.08	9.10
Wattage	24.9W	0-30°	572.54	19.21
CCT	4000K	0-40°	932.15	31.28
Distribution	95°	0-60°	1631.19	54.73
Length	2ft	0-80°	2025.98	67.98
Proportion	30U70D	0-90°	2062.18	69.19

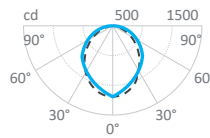


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	258	4.9ft	4.7ft
3.3ft	68.4	9.5ft	9.1ft
5.0ft	29.8	14.4ft	13.7ft
6.7ft	16.6	19.3ft	18.4ft
8.3ft	10.8	23.9ft	22.8ft
10.0ft	7.45	28.8ft	27.5ft
Vert. spread		110.5°	
Horiz. spread		107.9°	

AE-SF-SPS-A-CA-450

4ft • 3500K • 70/30

		ZONE	LUMENS	% FIXTURE
		0-20°	404.75	9.69
Wattage	47.5W	0-30°	828.84	19.84
CCT	3500K	0-40°	1313.54	31.44
Distribution	95°	0-60°	2223.66	53.22
Length	4ft	0-80°	2728.82	65.31
Proportion	30U70D	0-90°	2791.09	66.80

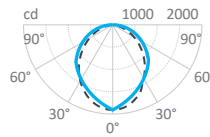


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	412	4.5ft	3.6ft
3.3ft	109	8.7ft	7.0ft
5.0ft	47.7	13.1ft	10.6ft
6.7ft	26.5	17.6ft	14.2ft
8.3ft	17.3	21.8ft	17.6ft
10.0ft	11.9	26.2ft	21.2ft
Vert. spread		105.3°	
Horiz. spread		93.3°	

AE-SF-SPS-A-CA-680

6ft • 3500K • 70/30

		ZONE	LUMENS	% FIXTURE
		0-20°	647.60	9.69
Wattage	76W	0-30°	1326.14	19.84
CCT	3500K	0-40°	2101.67	31.44
Distribution	95°	0-60°	3557.85	53.22
Length	6ft	0-80°	4366.11	65.31
Proportion	30U70D	0-90°	4465.75	66.80

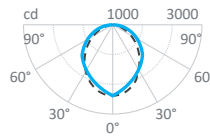


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	660	4.5ft	3.6ft
3.3ft	175	8.7ft	7.0ft
5.0ft	76.3	13.1ft	10.6ft
6.7ft	42.5	17.6ft	14.2ft
8.3ft	27.7	21.8ft	17.6ft
10.0ft	19.1	26.2ft	21.2ft
Vert. spread		105.3°	
Horiz. spread		93.3°	

AE-SF-SPS-A-CA-8100

8ft • 3500K • 70/30

		ZONE	LUMENS	% FIXTURE
		0-20°	809.50	9.69
Wattage	95W	0-30°	1657.68	19.84
CCT	3500K	0-40°	2627.09	31.44
Distribution	95°	0-60°	4447.31	53.22
Length	8ft	0-80°	5457.63	65.31
Proportion	30U70D	0-90°	5582.19	66.80



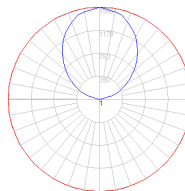
DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	825	4.5ft	3.6ft
3.3ft	219	8.7ft	7.0ft
5.0ft	95.3	13.1ft	10.6ft
6.7ft	53.1	17.6ft	14.2ft
8.3ft	34.6	21.8ft	17.6ft
10.0ft	23.8	26.2ft	21.2ft
Vert. spread		105.3°	
Horiz. spread		93.3°	

Photometric Data - Direct/Indirect

AE-SF-SPS-A-CA-450-100U

4ft • 3500K • 100U

		ZONE	LUMENS	% FIXTURE
		90-110°	149.26	4.4
Wattage	40W	90-120°	485.57	14.3
CCT	3500K	90-130°	988.01	29.2
Distribution	95°	90-150°	2257	66.6
Length	4ft	90-180°	3387.73	100
Proportion	100% up	110-180°	3238.47	95.6

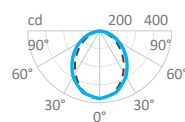


DISTANCE	CENTER Fc	BEAM WIDTH	
2.5ft	250	5.8ft	4.7ft
5.0ft	62.4	11.6ft	9.4ft
7.5ft	27.7	17.3ft	14.1ft
10.0ft	15.6	23.1ft	18.8ft
12.5ft	9.99	28.9ft	23.5ft
15.0ft	6.94	34.7ft	28.2ft
Vert. spread		98.3°	
Horiz. spread		86.6°	

AE-SF-SPS-A-CA-230-60U40D

2ft • 3500K • 60U40D

		ZONE	LUMENS	% FIXTURE
		0-20°	132.41	6.50
Wattage	23.5W	0-30°	271.83	13.35
CCT	3500K	0-40°	427.65	21.01
Distribution	95°	0-60°	694.36	34.11
Length	2ft	0-80°	807.71	39.68
Proportion	60U40D	0-90°	808.98	39.74

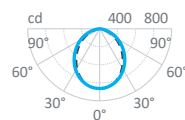


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	130	1.5ft	3.2ft
3.3ft	34.6	3.0ft	6.2ft
5.0ft	15.1	4.5ft	9.4ft
6.7ft	8.38	6.1ft	12.6ft
8.3ft	5.46	7.5ft	15.6ft
10.0ft	3.76	9.1ft	18.8ft
Vert. spread		48.8°	
Horiz. spread		86.6°	

AE-SF-SPS-A-CA-450-60U40D

4ft • 3500K • 60U40D

		ZONE	LUMENS	% FIXTURE
		0-20°	237.91	6.59
Wattage	47.6W	0-30°	493.04	13.67
CCT	3500K	0-40°	783.30	21.71
Distribution	95°	0-60°	1299.05	36.01
Length	4ft	0-80°	1536.02	42.57
Proportion	60U40D	0-90°	1547.15	42.88



DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	230	1.8ft	4.5ft
3.3ft	61.0	3.4ft	8.8ft
5.0ft	26.6	5.2ft	13.3ft
6.7ft	14.8	7.0ft	17.8ft
8.3ft	9.64	8.6ft	22.0ft
10.0ft	6.64	10.4ft	26.5ft
Vert. spread		55.0°	
Horiz. spread		106.0°	

Sensor & Dimming

Standalone Sensor

Product	Detection type	Detection range	Bluetooth range	Dimming protocol	
 Detecta AE-CT-DT806	PIR Microphonics	9.8–32.75ft	None	On/Off	Power pack None

Please refer to spec sheet for exact specifications for all items above.

Dimmer List

Dimmer Compatibility — 0-10V dimming

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

Compatibility verified by Eralux at time of publication. For dimmers not listed, contact the factory.