

# G5 | SPT

Our most popular linear and one of the most cost-effective, with a 2.5in aperture. The G5 is direct only; the SPT adds uplight for softer ambient light. Six standard lengths from 2 to 8ft, joined into continuous runs without visible breaks.

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 down to 1% |
| Power         | 20W to 80W       |

### Optical

|              |                        |
|--------------|------------------------|
| CRI          | 80 CRI                 |
| CCT          | 30/35/40K or 30/40/50K |
| Efficacy     | ~120lm/W · ~1200lm/ft  |
| Aperture     | 2.5in                  |
| Distribution | 120°                   |

### Physical

|                |                                    |
|----------------|------------------------------------|
| Length         | 2ft · 3ft · 4ft · 5ft · 6ft · 8ft  |
| Mounting       | Suspended · Recessed T-grid · Wall |
| Fixture finish | BK · WH · SV · GN · MA             |
| Optics         | PC · Drop · Wallwash · Louver      |
| Custom design  | X, L, T, hexagon                   |
| Ambient        | -10°C to 40°C                      |
| Accessories    | Emergency battery · Motion sensor  |

### Certifications

|                   |                     |
|-------------------|---------------------|
| Listings          | cETLus · DLC · 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

**G5CA**

G5  
direct

**SPTCA**

SPT  
direct/indirect

## 02 LENGTH | POWER

**220**

G5 2ft | 20W  
2400lm

**330**

G5 3ft | 30W  
3600lm

**440**

G5 4ft | 40W  
4800lm

**550**

G5 5ft | 50W  
6000lm

**660**

G5 6ft | 60W  
7200lm

**880**

G5 8ft | 80W  
9600lm

**225**

SPT 2ft | 25W  
up to 3500lm

**340**

SPT 3ft | 30/40W  
up to 4800lm

**450**

SPT 4ft |  
30/40/50W  
up to 6000lm

**560**

SPT 5ft | 50/60W  
up to 7100lm

**675**

SPT 6ft |  
50/60/75W  
up to 8900lm

**8100**

SPT 8ft |  
60/80/100W  
up to 11900lm

## 03 CCT

**30/35/40**

3000/3500/4000K

**30/40/50**

3000/4000/5000K

## 04 CONTROLS

**010**

0-10V to 1%

## 05 FINISH



**WH**  
White



**BK**  
Black



**SV**  
Silver



**GN**  
Gun powder



**MA**  
Maple

**RALXXXX**

Custom color

## 06 GB

**Blank**

No GB

**-GB**

GB

## 07 DISTRIBUTION

**Blank**

70% direct  
30% indirect

**-50D50U**

50% direct  
50% indirect

**-100U**

100% indirect

## 08 MOUNTING

**Blank**

Suspended

**-R**

Recessed  
T-grid

**WM**

Wall mount  
bracket 2pcs

## 09 TYPE

**Blank**

No option

**-A**

Stand-alone

**-B**

Starter/ender

**-C**

Middle

## 10 OPTION

**Blank**

No option

**-LDE1**

Fade-to-Black  
to 1%

**-EMBB**

Emergency  
battery

# Ordering Guide - Fixture (continued)

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POWER CORD

|                         |                                        |                                           |
|-------------------------|----------------------------------------|-------------------------------------------|
| <b>Blank</b><br>No cord | <b>-PH-C</b><br>8ft cord<br>+ canopies | <b>-PH18-C</b><br>18ft cord<br>+ canopies |
|-------------------------|----------------------------------------|-------------------------------------------|

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DIFFUSER

|                               |                                     |                                            |                               |                         |                           |
|-------------------------------|-------------------------------------|--------------------------------------------|-------------------------------|-------------------------|---------------------------|
| <b>Blank</b><br>Polycarbonate | <b>-P</b><br>Prime<br>silver louver | <b>-PS</b><br>Prime shadow<br>black louver | <b>-DL</b><br>0.5in drop lens | <b>-WW</b><br>Wall wash | <b>-LV</b><br>Louver lens |
|-------------------------------|-------------------------------------|--------------------------------------------|-------------------------------|-------------------------|---------------------------|

One guide covers both families and all three mountings; unavailable combinations grey out as you click. Ordering notes are on the Ordering Notes & Lumen Output page.

# Ordering Guide - TRIAC Dimming

Assembled Catalog Number

[RESET](#)

**AE-SF-G5CA**

**01** **FIXTURE FAMILY**



**AE-SF-G5CA**

ERALUX G5 Linear · order AE-SF-SPTCA for the SPT version

**02** **LENGTH | POWER**

**215**

2ft | 15W  
1575lm

**440**

4ft | 40W  
4250lm

**880**

8ft | 80W  
9600lm

**03** **CCT**



**30**

3000K



**35**

3500K



**40**

4000K

**04** **CONTROLS**

**-TRI**

TRIAC dimming

**05** **FINISH**



**-WH-GB**  
White



**-BK-GB**  
Black

TRIAC dimming is available on the 2, 4 and 8ft fixtures in black or white. Order AE-SF-SPTCA for the SPT direct/indirect version.

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.

# Ordering Guide - Custom Design

Assembled Catalog Number

[RESET](#)

**AE-SF-G5**

## 01 FIXTURE FAMILY



### AE-SF-G5

ERALUX G5 Suspended Architectural Linear · order AE-SF-SPT for the SPT version

## 02 SIDE 1



## 03 SIDE 2



## 04 DESIGN

**-R**

Rectangular

**-L**

L-shape

**-T**

T-shape

**-X**

X-shape

**-HEX**

Hexagonal

## 05 CCT

**30/35/40**

3000/3500/4000K  
selectable<sup>1</sup>

**30/40/50**

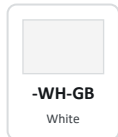
3000/4000/5000K  
selectable

## 06 CONTROL

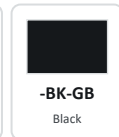
**010**

0-10V dimming  
down to 1%

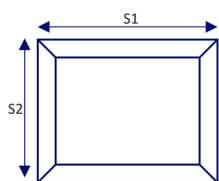
## 07 FINISH



**-WH-GB**  
White

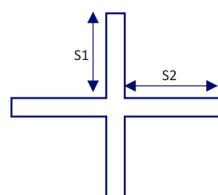


**-BK-GB**  
Black



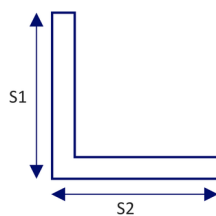
### Rectangle

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



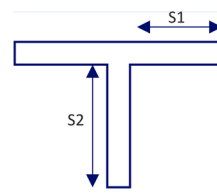
### X - Shape

Symmetrical sides.



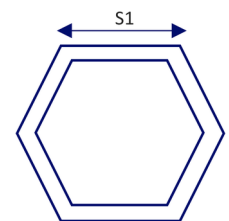
### L - Shape

For equal sides  $S1 = S2$ .



### T - Shape

Symmetrical side.



### Hexagon

All sides equal to  $S1 \geq 2\text{ft}$ .

Custom designs are only available with polycarbonate diffusers and in black or white. For more complex designs contact factory. The precise dimensions are provided by the factory on request — see the Dimensions pages.

# Ordering Notes & Lumen Output

## Ordering notes

-GB is required for suspended and recessed fixtures and is not used with the wall mount bracket. The power cord applies to suspended fixtures only. Type A, B and C apply to the recessed T-grid only. Distribution applies to the SPT family only. 50D50U and 100U are only available for 4 and 8ft, and for black and white finish fixtures. Default CCT is 3500K, changeable on request before shipping. LDE1 is a Lutron Hi-lume EcoSystem driver with Soft-on and needs colour selection. EMBB is 120-277V only, standard power 15W. Gun powder is 4, 6 and 8ft only; maple 4 and 8ft only. Prime, prime shadow, drop lens, wall wash and louver lens are black and white only; drop lens is 2, 4, 6 and 8ft only. Continuous lengths use \_\_\_\_\_C, in 1ft increments for G5 and 2ft for SPT. For a T-grid ceiling add the TBS or TBC clip kit.

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.

## Lumen output

Efficacy 110lm/W · 1100lm/ft.

### Direct

| LENGTH | OUTPUT POWER |
|--------|--------------|
| 2ft    | 15W   1650lm |
|        | 20W   2200lm |
| 3ft    | 30W   3300lm |
| 4ft    | 30W   3300lm |
|        | 40W   4400lm |
| 5ft    | 35W   3850lm |
|        | 50W   5500lm |
| 6ft    | 35W   3850lm |
|        | 50W   5500lm |
|        | 60W   6600lm |
| 8ft    | 60W   6600lm |
|        | 80W   8800lm |

### Indirect

| LENGTH | OUTPUT POWER |
|--------|--------------|
| 2ft    | 15W   1650lm |
|        | 20W   2200lm |
| 3ft    | 30W   3300lm |
| 4ft    | 30W   3300lm |
|        | 40W   4400lm |
| 5ft    | 35W   3850lm |
|        | 50W   5500lm |
| 6ft    | 35W   3850lm |
|        | 50W   5500lm |
|        | 60W   6600lm |
| 8ft    | 60W   6600lm |
|        | 80W   8800lm |

### Direct / Indirect

| LENGTH | TOTAL        | DIRECT       | INDIRECT     |
|--------|--------------|--------------|--------------|
| 2ft    | 20W   2500lm | 14W   1750lm | 6W   750lm   |
|        | 30W   3750lm | 21W   2625lm | 9W   1125lm  |
| 3ft    | 30W   3750lm | 21W   2625lm | 9W   1125lm  |
|        | 40W   5000lm | 28W   3500lm | 12W   1500lm |
| 4ft    | 30W   3750lm | 21W   2625lm | 9W   1125lm  |
|        | 40W   5000lm | 28W   3500lm | 12W   1500lm |
|        | 50W   6250lm | 35W   4375lm | 15W   1875lm |

| LENGTH | TOTAL          | DIRECT       | INDIRECT     |
|--------|----------------|--------------|--------------|
| 5ft    | 50W   6250lm   | 35W   4375lm | 15W   1875lm |
|        | 60W   7500lm   | 42W   5250lm | 18W   2250lm |
| 6ft    | 50W   6250lm   | 35W   4375lm | 15W   1875lm |
|        | 60W   7500lm   | 42W   5250lm | 18W   2250lm |
|        | 75W   10000lm  | 56W   7000lm | 24W   3000lm |
| 8ft    | 60W   7500lm   | 42W   5250lm | 18W   2250lm |
|        | 80W   10000lm  | 56W   7000lm | 24W   3000lm |
|        | 100W   12500lm | 70W   8750lm | 30W   3750lm |

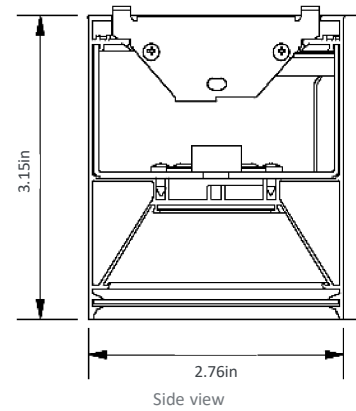
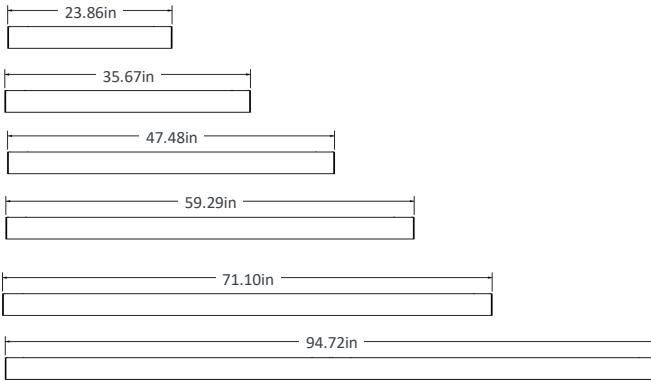
# DLC Qualified Models

## DLC qualified models — G5

| DLC | PRODUCT ID | MODEL NUMBER                    | CATEGORY | CLASS    |
|-----|------------|---------------------------------|----------|----------|
| 5.1 | S-JTCRUD   | AE-SF-G5CA22030-35-40010YY-GB   | Indoor   | Standard |
| 5.1 | S-ACNDT2   | AE-SF-G5CA44030-35-40010YY-GB   | Indoor   | Standard |
| 5.1 | S-09HDJM   | AE-SF-G5CA87030-35-40010YY-GB   | Indoor   | Standard |
| 5.1 | S-CQB53J   | AE-SF-SPTCA23030-35-40010YY-GB  | Indoor   | Standard |
| 5.1 | S-OTKXJP   | AE-SF-SPTCA45030-35-40010YY-GB  | Indoor   | Standard |
| 5.1 | S-IZ25K3   | AE-SF-SPTCA810030-35-40010YY-GB | Indoor   | Standard |

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

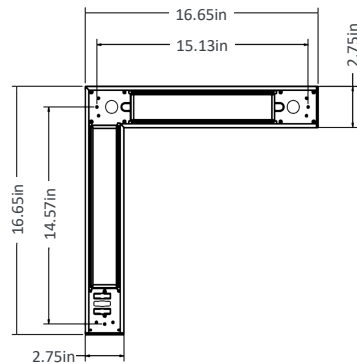
## Dimensions - Fixture



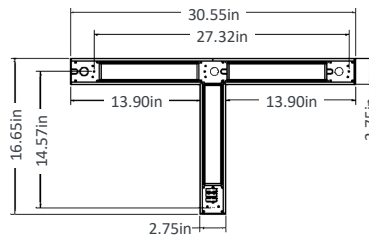
| SIZE | LENGTH  | WIDTH  | HEIGHT |
|------|---------|--------|--------|
| 2ft  | 23.86in | 2.76in | 3.15in |
| 3ft  | 35.67in | 2.76in | 3.15in |
| 4ft  | 47.48in | 2.76in | 3.15in |
| 5ft  | 59.29in | 2.76in | 3.15in |
| 6ft  | 71.10in | 2.76in | 3.15in |
| 8ft  | 94.72in | 2.76in | 3.15in |

Lengths are the overall fixture length including end caps. All dimensions in inches. [Install Instruction G5 RECESSED T-GRID](#) · [Install Instruction G5 WALL MOUNT](#) · [Install Instruction SPT](#)

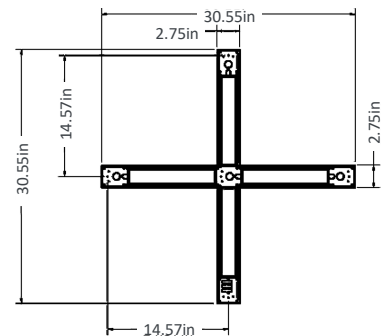
### Custom shapes



AE-SF-G5CA-L L-shape



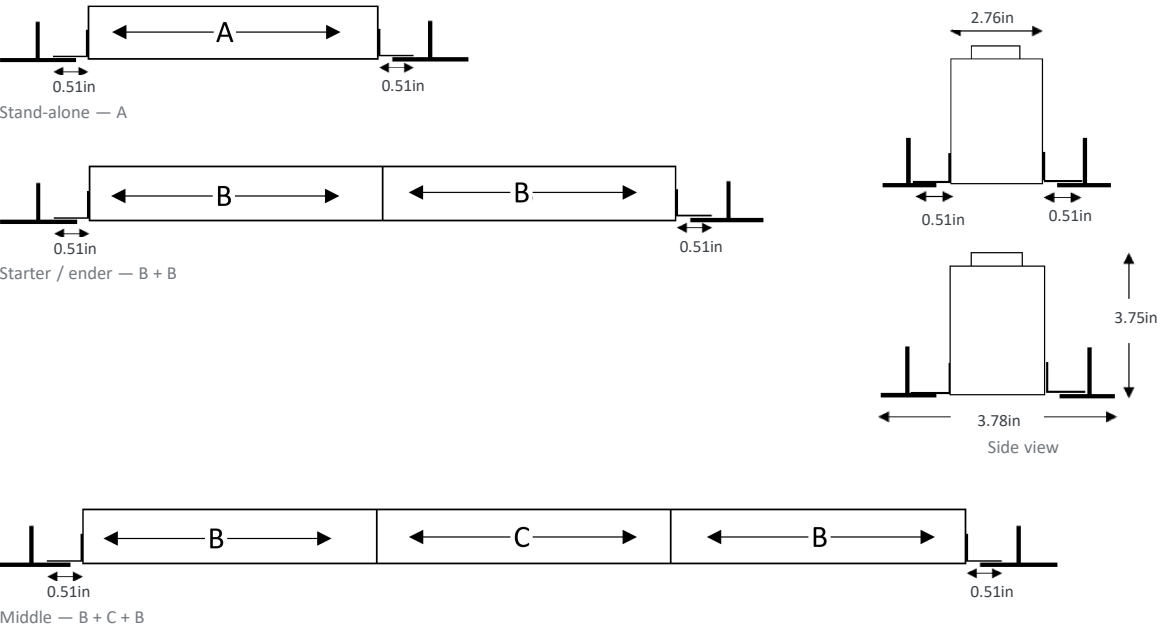
AE-SF-G5CA-T T-shape



AE-SF-G5CA-X X-shape

Custom shape drawings are dimensioned in inches.

# Dimensions - Recessed T-Grid



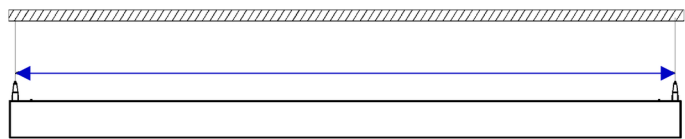
## Ceiling opening

| LENGTH | A       | B       | C       |
|--------|---------|---------|---------|
| 2ft    | 22.75in | 23.38in | 23.82in |
| 4ft    | 46.73in | 47.36in | 47.80in |
| 5ft    | 58.74in | 59.37in | 59.77in |
| 6ft    | 70.67in | 71.30in | 71.69in |
| 8ft    | 94.72in | 95.31in | 95.79in |

The fixture body is 2.76in wide and 3.75in high above the grid; the T-grid flange overlap is 0.51in on each side.

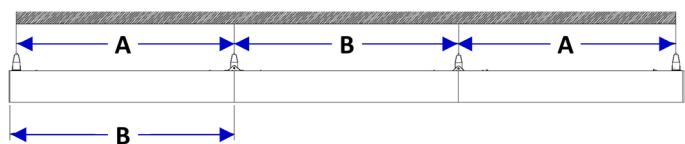
# Drilling Patterns

## Suspended — stand alone



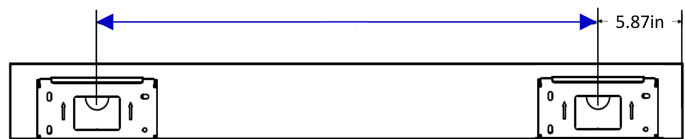
| SIZE | SPACING             |
|------|---------------------|
| 2ft  | <b>22.2 ± 0.10</b>  |
| 3ft  | <b>34.02 ± 0.10</b> |
| 4ft  | <b>45.75 ± 0.10</b> |
| 5ft  | <b>57.64 ± 0.10</b> |
| 6ft  | <b>69.45 ± 0.10</b> |
| 8ft  | <b>93.07 ± 0.10</b> |

## Suspended — continuous run



| SIZE | A                   | B                   |
|------|---------------------|---------------------|
| 2ft  | <b>22.90 ± 0.10</b> | <b>23.62 ± 0.10</b> |
| 3ft  | <b>34.64 ± 0.10</b> | <b>35.36 ± 0.10</b> |
| 4ft  | <b>46.45 ± 0.10</b> | <b>47.17 ± 0.10</b> |
| 5ft  | <b>58.26 ± 0.10</b> | <b>58.98 ± 0.10</b> |
| 6ft  | <b>70.15 ± 0.10</b> | <b>70.87 ± 0.10</b> |
| 8ft  | <b>93.77 ± 0.10</b> | <b>94.49 ± 0.10</b> |

## Wall mount



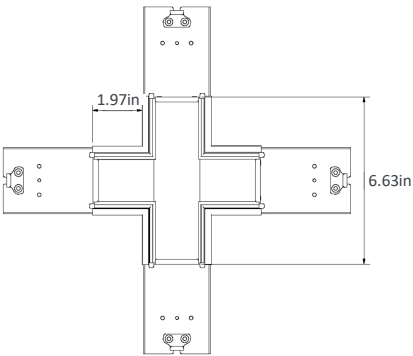
| SIZE | SPACING       |
|------|---------------|
| 2ft  | <b>12in</b>   |
| 3ft  | <b>23.9in</b> |
| 4ft  | <b>35.5in</b> |
| 5ft  | <b>47.6in</b> |
| 6ft  | <b>59in</b>   |
| 8ft  | <b>82.6in</b> |

Bracket centre 5.87in from each end.

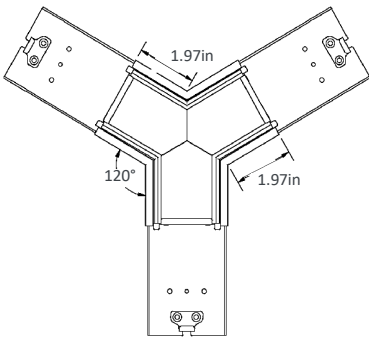
# Accessories - Lit Joiners

Available for suspended fixtures. Order code: AE-SF-SPT/G5 + shape + CCT + finish, e.g. AE-SF-G5-X-30/35/40-LJ-KIT-WH.

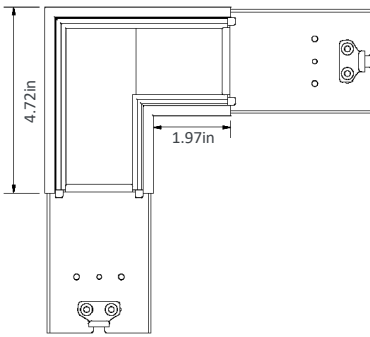
| Shape |          | CCT       |                 | Finish     |       |
|-------|----------|-----------|-----------------|------------|-------|
| -V    | V-joiner | -30/35/40 | 3000/3500/4000K | -LJ-KIT-WH | White |
| -X    | X-joiner |           |                 | -LJ-KIT-BK | Black |
| -T    | T-joiner |           |                 | -LJ-KIT-MA | Maple |
| -L    | L-joiner |           |                 |            |       |
| -Y    | Y-joiner |           |                 |            |       |



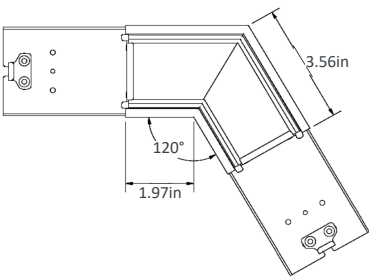
X-joiner



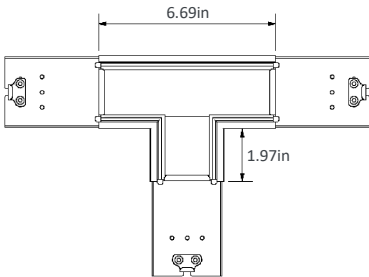
Y-joiner



L-joiner



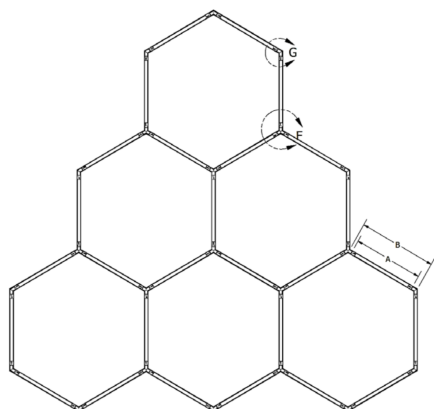
V-joiner



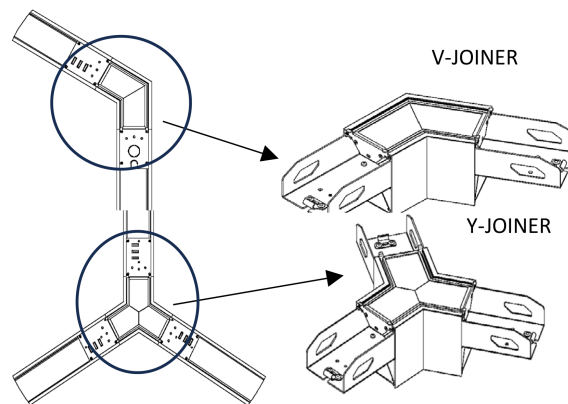
T-joiner

## Accessories - Honeycomb, Wall Mount & Link

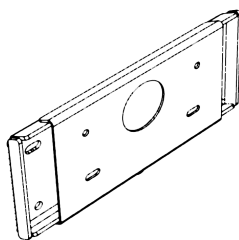
### Honeycomb pattern



A honeycomb layout is built from V-joiners and Y-joiners.



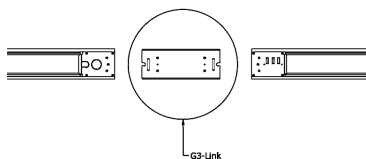
### Wall mount kit



#### AE-SF-WMB-WH

##### Wall mount kit

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



#### AE-SF-LINK-G3

##### G3-Link

Seamless mechanical connection for continuous runs, preventing light leakage, with easy installation.

## 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: AE-SF-PWRCORD-WH-18FT / AE-SF-PWRCORD-BK-18FT.



#### AE-SF-PWRCORD-BK

Black cord

Same cord in black.



#### 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, black or maple, 0.3in thick. One dual hole for power cord and aircraft cable, one single hole for aircraft cable.

Black: AE-SF-CANOPY-BK-ELITE

Maple: AE-SF-CANOPY-MA-ELITE

### Aircraft cable



#### AE-SF-G5/SPT-WIRE-8FT

8ft aircraft cable

2 pieces per set, 1 set per fixture.

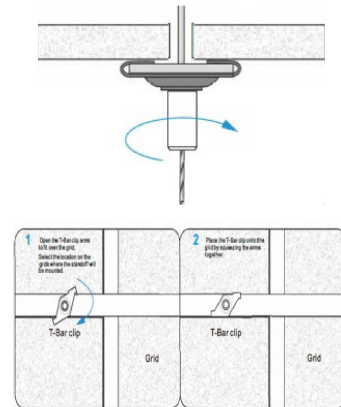
18ft: AE-SF-G5/SPT-WIRE-18FT

## Accessories - T-Bar Pendant

Ordered separately if needed.

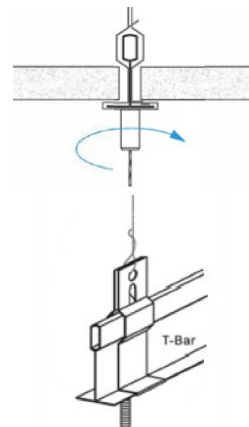
### AE-SF-T-CLIP-TBC-KIT — T-bar clip

Used to suspend the fixture securely from a T-bar ceiling grid. Installed by rotating the clip on the grid. The kit includes the T-bar clip and T-bar holder, 2 pcs.



### AE-SF-T-CLIP-TBS-KIT — T-bar suspension clip

Used to suspend the fixture securely from a T-bar ceiling grid. Installed by clamping the clip on the grid. The kit includes the T-bar suspended clip and T-bar holder, 2 pcs.



# Accessories - Acoustic Housing

SILENCIO Series acoustic housing for ERALUX architectural linears. Advanced sound-absorbing panels fixed to the linear housing with adhesive, for offices, conference rooms and open-plan areas. Ordered separately; only available for suspended linears. See the Silencio Housing spec sheet for more information.

## Technical specifications

|                       |                      |
|-----------------------|----------------------|
| Material              | 100% polyester fiber |
| Noise reduction (NRC) | 0.80                 |
| Flame spread index    | 15                   |
| Smoke developed index | 40                   |
| ASTM E84 fire rating  | Class A              |



## Ordering code

|        |        |      |     |         |               |
|--------|--------|------|-----|---------|---------------|
| AE-SIL | Family | -2FT | 2ft | -TIL    | Tilapia       |
|        |        | -4FT | 4ft | -BBQ    | BBQ Sauce     |
|        |        | -5FT | 5ft | -SOY    | Soya Sauce    |
|        |        | -6FT | 6ft | -G5CASE | G5 / SPT case |
|        |        | -8FT | 8ft |         |               |



**Tilapia**

#8E8C8C



**BBQ Sauce**

#CB4147



**Soya Sauce**

#454545

Only the colours shown above are offered for the G5 / SPT acoustic housing. ASTM E84 Class A is the highest flame inhibition class.

## Lens Options



### AE-SF-G5/SPT-DROP LENS-0.5 INCH-XFT-WH

#### Drop lens

Highly durable frosted polycarbonate lens with glowing sides and crisp corners visible at a distance, giving a 3D look and a wider spread. X = 2, 4, 6 or 8. Available in 2, 4, 6 and 8ft. 23% less lumens. 0.5in thick. Black: AE-SF-G5/SPT-DROP LENS-0.5 INCH-XFT-BK



### AE-SF-G5/SPT-XFT-WW-KIT-WH

#### Wall wash lens

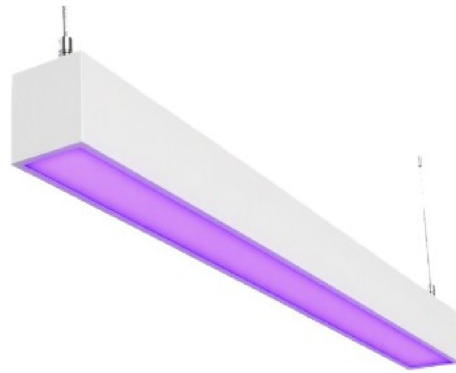
Wall washing positions the luminaire at least 12in from the wall to smooth the wall by eliminating shadows or to highlight it. Black: -BK. X = 2, 4, 5, 6 or 8. Available in 2, 4, 5, 6 and 8ft.



### AE-SF-G5/SPT-LENS-C-33FT

#### Continuous lens

An unbroken linear profile for seamless illumination and a clean, minimalist visual texture. Available in continuous seamless runs up to 33ft.



### Contact factory

#### Purple LED

A distinctive coloured light output while keeping the fixture's sleek linear profile. Contact factory for more details.

## Lens Options - Louvers



**-P**

### Prime lens

Parabolic silver louver with outstanding light shielding and a crisp visual texture. Parabolic blades and side reflectors direct light, enhancing brightness and efficiency. Sizes 2, 4, 5, 6 and 8ft. ~90lm/W, UGR 13.9 - 15.7.



**-PS**

### Prime shadow lens

Parabolic black louver with outstanding light shielding. The black blades and side reflectors reduce glare by absorbing more light, for a dramatic or industrial aesthetic. Sizes 2, 4, 5, 6 and 8ft. ~55lm/W, UGR 18.3 - 20.4.



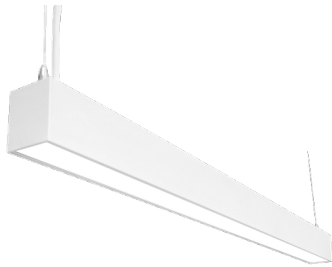
**-LV**

### Louver lens

A structured grid of flat angled blades for efficient glare control and direct downward illumination. The multi-cell baffle cuts off direct sightlines at high viewing angles. Sizes 2, 4, 5, 6 and 8ft. ~83lm/W, UGR 19.1 - 26.27.

Order the louvers with the fixture using the Diffuser step of the ordering guide.

## Features



Suspended



Recessed T-grid



Wall mount

### Innovative design

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

### Features

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

### Custom design

Continuous lens; increment of 2ft.  
L, T, X & rectangular shapes.  
Honeycomb design using lit joiners.

### Diffusers

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

### Multiple options

Six standard lengths available: 2, 3, 4, 5, 6 & 8ft.  
CCT switchable and power switchable.  
Purple LED.  
Black, white, silver, gun powder and maple finishes.  
EMBB and motion sensor.

### Mountings available

Suspended.  
Wall mount.  
Recessed T-grid.

# Controls - Emergency Driver & Occupancy Sensor

## Emergency LED driver — 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 90min of lighting. With an integrated battery, charger and converter it delivers 8W or 15W constant power at 30-60V DC. For 8ft fixtures the EMBB powers a 4ft portion only.

|                 |                             |
|-----------------|-----------------------------|
| Input voltage   | 30-60V DC                   |
| Power frequency | 50/60Hz                     |
| Output voltage  | 30-60V DC                   |
| Output power    | 8W   15W                    |
| Ambient temp.   | 0°C to 50°C · 30°F to 122°F |
| Installation    | Integrated                  |

## Controls - Motion Sensor

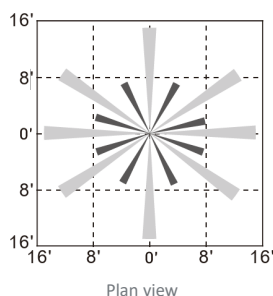
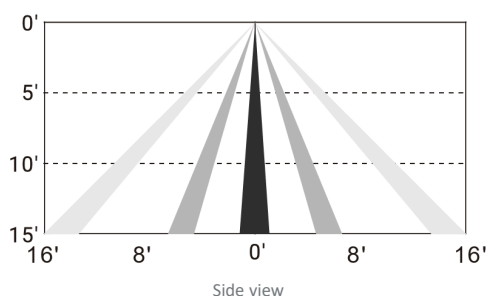
Passive infrared motion sensor. Order code G5/SPT-MS + CCT + length + finish, e.g. G5/SPT-MS-30/35/40-4FT/8FT-WH. Lengths -2FT, -4FT/8FT or -6FT; finish - WH or -BK.



There may be interference with the sensor beyond our control which could stop it functioning optimally. One sensor can control up to 10 drivers.

|                 |                                  |
|-----------------|----------------------------------|
| Input voltage   | 12V DC                           |
| Sinking current | 10mA max                         |
| IP rating       | IP20                             |
| Detection range | 32ft                             |
| Mounting height | 15ft max                         |
| Operating temp. | -30°F to 131°F · -30°C to 55°C   |
| Sensor          | Passive infrared (PIR) photocell |

### Zone coverage



AE-SF-JB-MOTIONSENSOR-RMT

### RM51 remote control parameters

|              |                                                                       |
|--------------|-----------------------------------------------------------------------|
| Default mode | Motion → 100%, no motion ≥ 5min → dim to 30%, no motion ≥ 60min → off |
| DIM+ / DIM-  | Control the dimming of the fixture                                    |
| Trim level   | Set the maximum threshold at 50%, 75% or 100%                         |
| Sensitivity  | OFF (PIR off, enter PC on/off function) / LOW 50% / HIGH 100%         |
| Hold time    | Time of no occupancy before standby: 30s / 5min / 15min / 30min       |
| Standby dim  | 0% / 10% / 30% / 50%                                                  |
| Standby time | 10s / 5min / 15min / 30min / 1h / ∞ (daylight sensor controls)        |
| Photocell    | LOW (1Fc) / HIGH (50Fc) / CAL (collects the current lux level) ON     |

# Photometric Data - Direct

## Lumen Estimate Adjustment Factors

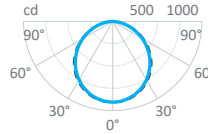
3000K      × 0.94      3500K      × 0.97      4000K      × 1      5000K      × 1.03

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

### AE-SF-G5CA220

2ft · 20W · 4000K

|              |       | ZONE  | LUMENS  | % FIXTURE |
|--------------|-------|-------|---------|-----------|
|              |       | 0-20° | 332.65  | 12.62     |
| Wattage      | 19.8W | 0-30° | 707.07  | 26.82     |
| CCT          | 4000K | 0-40° | 1159.05 | 43.97     |
| Distribution | 120°  | 0-60° | 2055.13 | 77.97     |
| Length       | 2ft   | 0-80° | 2577.99 | 97.80     |
|              |       | 0-90° | 2634.11 | 99.93     |

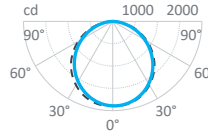


| DISTANCE      | CENTER Fc | BEAM WIDTH    |
|---------------|-----------|---------------|
| 1.7ft         | 313       | 4.9ft 5.2ft   |
| 3.3ft         | 83.0      | 9.5ft 10.1ft  |
| 5.0ft         | 36.2      | 14.4ft 15.3ft |
| 6.7ft         | 20.1      | 19.2ft 20.5ft |
| 8.3ft         | 13.1      | 23.8ft 25.3ft |
| 10.0ft        | 9.04      | 28.7ft 30.5ft |
| Vert. spread  |           | 110.3°        |
| Horiz. spread |           | 113.5°        |

### AE-SF-G5CA440

4ft · 40W · 4000K

|              |       | ZONE  | LUMENS  | % FIXTURE |
|--------------|-------|-------|---------|-----------|
|              |       | 0-20° | 699.20  | 12.30     |
| Wattage      | 41.8W | 0-30° | 1489.91 | 26.21     |
| CCT          | 4000K | 0-40° | 2448.29 | 43.08     |
| Distribution | 120°  | 0-60° | 4368.19 | 76.86     |
| Length       | 4ft   | 0-80° | 5530.17 | 97.30     |
|              |       | 0-90° | 5678.02 | 99.90     |

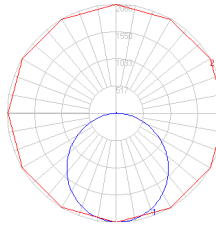


| DISTANCE      | CENTER Fc | BEAM WIDTH    |
|---------------|-----------|---------------|
| 1.7ft         | 655       | 4.9ft 5.5ft   |
| 3.3ft         | 174       | 9.6ft 10.6ft  |
| 5.0ft         | 75.7      | 14.6ft 16.1ft |
| 6.7ft         | 42.1      | 19.5ft 21.5ft |
| 8.3ft         | 27.5      | 24.2ft 26.7ft |
| 10.0ft        | 18.9      | 29.1ft 32.1ft |
| Vert. spread  |           | 111.0°        |
| Horiz. spread |           | 116.2°        |

### AE-SF-G5CA660

6ft · 60W · 4000K

|              |       | ZONE  | LUMENS  | % FIXTURE |
|--------------|-------|-------|---------|-----------|
|              |       | 0-20° | 751.25  | 12.9      |
| Wattage      | 60W   | 0-30° | 1589.85 | 27.2      |
| CCT          | 4000K | 0-40° | 2595.32 | 44.4      |
| Distribution | 120°  | 0-60° | 4564.23 | 78.1      |
| Length       | 6ft   | 0-80° | 5673.88 | 97.1      |
|              |       | 0-90° | 5776.82 | 98.9      |

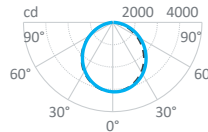


| DISTANCE      | CENTER Fc | BEAM WIDTH    |
|---------------|-----------|---------------|
| 1.7ft         | 714       | 5.0ft 4.8ft   |
| 3.3ft         | 189       | 9.7ft 9.3ft   |
| 5.0ft         | 82.5      | 14.8ft 14.0ft |
| 6.7ft         | 46        | 19.8ft 18.8ft |
| 8.3ft         | 29.9      | 24.5ft 23.3ft |
| 10.0ft        | 20.6      | 29.5ft 28.1ft |
| Vert. spread  |           | 111.7°        |
| Horiz. spread |           | 109.1°        |

### AE-SF-G5CA880

8ft · 80W · 4000K

|              |       | ZONE  | LUMENS  | % FIXTURE |
|--------------|-------|-------|---------|-----------|
|              |       | 0-20° | 1133.11 | 13.00     |
| Wattage      | 64.6W | 0-30° | 2394.87 | 27.48     |
| CCT          | 4000K | 0-40° | 3899.66 | 44.75     |
| Distribution | 120°  | 0-60° | 6810.13 | 78.15     |
| Length       | 8ft   | 0-80° | 8408.48 | 96.49     |
|              |       | 0-90° | 8546.09 | 98.07     |



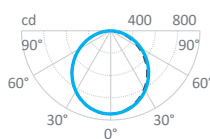
| DISTANCE      | CENTER Fc | BEAM WIDTH    |
|---------------|-----------|---------------|
| 1.7ft         | 1076      | 4.8ft 4.6ft   |
| 3.3ft         | 286       | 9.3ft 8.9ft   |
| 5.0ft         | 124       | 14.1ft 13.5ft |
| 6.7ft         | 69.3      | 18.9ft 18.1ft |
| 8.3ft         | 45.1      | 23.4ft 22.4ft |
| 10.0ft        | 31.1      | 28.2ft 27.0ft |
| Vert. spread  |           | 109.4°        |
| Horiz. spread |           | 107.0°        |

## Photometric Data - Direct/Indirect

### AE-SF-SPTCA225

2ft • 25W • 4000K

|              | ZONE  | LUMENS  | % FIXTURE |
|--------------|-------|---------|-----------|
|              | 0-20° | 271.08  | 9.10      |
| Wattage      | 0-30° | 572.54  | 19.21     |
| CCT          | 0-40° | 932.15  | 31.28     |
| Distribution | 0-60° | 1631.19 | 54.73     |
| Length       | 0-80° | 2025.98 | 67.98     |
|              | 0-90° | 2062.18 | 69.19     |

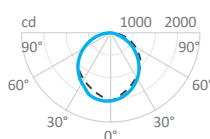


| DISTANCE      | CENTER Fc | BEAM WIDTH |        |
|---------------|-----------|------------|--------|
| 1.7ft         | 258       | 4.9ft      | 4.7ft  |
| 3.3ft         | 68.4      | 9.5ft      | 9.1ft  |
| 5.0ft         | 29.8      | 14.4ft     | 13.7ft |
| 6.7ft         | 16.6      | 19.3ft     | 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-SPTCA450

4ft • 50W • 4000K

|              | ZONE  | LUMENS  | % FIXTURE |
|--------------|-------|---------|-----------|
|              | 0-20° | 530.01  | 13.56     |
| Wattage      | 0-30° | 1103.19 | 28.21     |
| CCT          | 0-40° | 1783.23 | 45.61     |
| Distribution | 0-60° | 3118.75 | 79.76     |
| Length       | 0-80° | 3845.85 | 98.36     |
|              | 0-90° | 3909.84 | 100.00    |

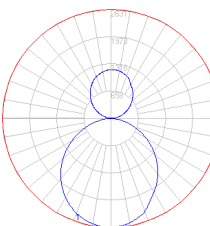


| DISTANCE      | CENTER Fc | BEAM WIDTH |        |
|---------------|-----------|------------|--------|
| 1.7ft         | 528       | 4.6ft      | 5.0ft  |
| 3.3ft         | 140       | 8.9ft      | 9.7ft  |
| 5.0ft         | 61.0      | 13.4ft     | 14.6ft |
| 6.7ft         | 34.0      | 18.0ft     | 19.6ft |
| 8.3ft         | 22.1      | 22.3ft     | 24.3ft |
| 10.0ft        | 15.3      | 26.9ft     | 29.3ft |
| Vert. spread  |           | 106.7°     |        |
| Horiz. spread |           | 111.3°     |        |

### AE-SF-SPTCA675

6ft • 75W • 4000K

|              | ZONE  | LUMENS  | % FIXTURE |
|--------------|-------|---------|-----------|
|              | 0-20° | 953.10  | 9.3       |
| Wattage      | 0-30° | 2006.40 | 19.5      |
| CCT          | 0-40° | 3248.89 | 31.6      |
| Distribution | 0-60° | 5644.91 | 54.9      |
| Length       | 0-80° | 6993.01 | 68.0      |
|              | 0-90° | 7156.29 | 69.6      |

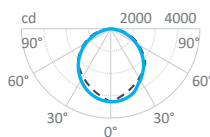


| DISTANCE      | CENTER Fc | BEAM WIDTH |        |
|---------------|-----------|------------|--------|
| 1.7ft         | 910       | 4.8ft      | 4.6ft  |
| 3.3ft         | 242       | 9.3ft      | 8.9ft  |
| 5.0ft         | 105       | 14.2ft     | 13.5ft |
| 6.7ft         | 58.6      | 19.0ft     | 18.0ft |
| 8.3ft         | 38.2      | 23.5ft     | 22.3ft |
| 10.0ft        | 26.3      | 28.3ft     | 26.9ft |
| Vert. spread  |           | 109.5°     |        |
| Horiz. spread |           | 106.7°     |        |

### AE-SF-SPTCA8100

8ft • 100W • 4000K

|              | ZONE  | LUMENS  | % FIXTURE |
|--------------|-------|---------|-----------|
|              | 0-20° | 1133.37 | 9.20      |
| Wattage      | 0-30° | 2357.91 | 19.15     |
| CCT          | 0-40° | 3812.95 | 30.96     |
| Distribution | 0-60° | 6710.73 | 54.49     |
| Length       | 0-80° | 8408.47 | 68.28     |
|              | 0-90° | 8618.94 | 69.99     |



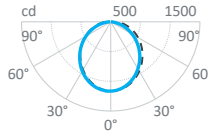
| DISTANCE      | CENTER Fc | BEAM WIDTH |        |
|---------------|-----------|------------|--------|
| 1.7ft         | 1131      | 4.6ft      | 5.0ft  |
| 3.3ft         | 300       | 8.9ft      | 9.6ft  |
| 5.0ft         | 131       | 13.5ft     | 14.6ft |
| 6.7ft         | 72.8      | 18.1ft     | 19.5ft |
| 8.3ft         | 47.5      | 22.4ft     | 24.2ft |
| 10.0ft        | 32.7      | 27.0ft     | 29.1ft |
| Vert. spread  |           | 107.0°     |        |
| Horiz. spread |           | 111.1°     |        |

# Photometric Data - Lens Options

## AE-SF-G5CA440-DL

### 4ft • drop lens • 4000K

|              | ZONE  | LUMENS         | % FIXTURE    |
|--------------|-------|----------------|--------------|
|              | 0-20° | <b>420.45</b>  | <b>11.88</b> |
| Wattage      | 0-30° | <b>882.52</b>  | <b>24.94</b> |
| CCT          | 0-40° | <b>1428.38</b> | <b>40.36</b> |
| Distribution | 0-60° | <b>2493.86</b> | <b>70.47</b> |
| Length       | 0-80° | <b>3150.06</b> | <b>89.01</b> |
|              | 0-90° | <b>3267.17</b> | <b>92.32</b> |

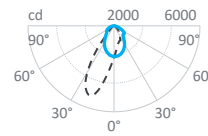


| DISTANCE      | CENTER Fc   | BEAM WIDTH    |               |
|---------------|-------------|---------------|---------------|
| 1.7ft         | <b>403</b>  | <b>4.4ft</b>  | <b>4.9ft</b>  |
| 3.3ft         | <b>107</b>  | <b>8.5ft</b>  | <b>9.5ft</b>  |
| 5.0ft         | <b>46.6</b> | <b>12.9ft</b> | <b>14.5ft</b> |
| 6.7ft         | <b>25.9</b> | <b>17.3ft</b> | <b>19.4ft</b> |
| 8.3ft         | <b>16.9</b> | <b>21.4ft</b> | <b>24.0ft</b> |
| 10.0ft        | <b>11.6</b> | <b>25.8ft</b> | <b>28.9ft</b> |
| Vert. spread  |             | <b>104.4°</b> |               |
| Horiz. spread |             | <b>110.7°</b> |               |

## AE-SF-G5CA450-WW

### 5ft • wall wash • 4000K

|              | ZONE  | LUMENS         | % FIXTURE    |
|--------------|-------|----------------|--------------|
|              | 0-20° | <b>931.99</b>  | <b>13.41</b> |
| Wattage      | 0-30° | <b>2174.46</b> | <b>31.29</b> |
| CCT          | 0-40° | <b>3457.33</b> | <b>49.76</b> |
| Distribution | 0-60° | <b>4537.37</b> | <b>65.30</b> |
| Length       | 0-80° | <b>4827.69</b> | <b>69.48</b> |
|              | 0-90° | <b>4850.90</b> | <b>69.81</b> |

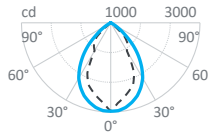


| DISTANCE      | CENTER Fc   | BEAM WIDTH    |              |
|---------------|-------------|---------------|--------------|
| 1.7ft         | <b>751</b>  | <b>2.5ft</b>  | <b>0.9ft</b> |
| 3.3ft         | <b>199</b>  | <b>4.9ft</b>  | <b>1.8ft</b> |
| 5.0ft         | <b>86.8</b> | <b>7.4ft</b>  | <b>2.8ft</b> |
| 6.7ft         | <b>48.4</b> | <b>10.0ft</b> | <b>3.7ft</b> |
| 8.3ft         | <b>31.5</b> | <b>12.4ft</b> | <b>4.6ft</b> |
| 10.0ft        | <b>21.7</b> | <b>14.9ft</b> | <b>5.6ft</b> |
| Vert. spread  |             | <b>73.4°</b>  |              |
| Horiz. spread |             | <b>31.0°</b>  |              |

## AE-SF-G5CA440-P

### 4ft • prime • 4000K

|              | ZONE  | LUMENS         | % FIXTURE    |
|--------------|-------|----------------|--------------|
|              | 0-20° | <b>967.59</b>  | <b>27.65</b> |
| Wattage      | 0-30° | <b>1905.45</b> | <b>54.44</b> |
| CCT          | 0-40° | <b>2736.19</b> | <b>78.18</b> |
| Distribution | 0-60° | <b>3454.72</b> | <b>98.71</b> |
| Length       | 0-80° | <b>3483.38</b> | <b>99.53</b> |
|              | 0-90° | <b>3485.56</b> | <b>99.59</b> |

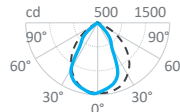


| DISTANCE      | CENTER Fc   | BEAM WIDTH    |               |
|---------------|-------------|---------------|---------------|
| 1.7ft         | <b>1028</b> | <b>2.8ft</b>  | <b>1.8ft</b>  |
| 3.3ft         | <b>273</b>  | <b>5.4ft</b>  | <b>3.4ft</b>  |
| 5.0ft         | <b>119</b>  | <b>8.2ft</b>  | <b>5.2ft</b>  |
| 6.7ft         | <b>66.2</b> | <b>11.0ft</b> | <b>6.9ft</b>  |
| 8.3ft         | <b>43.1</b> | <b>13.7ft</b> | <b>8.6ft</b>  |
| 10.0ft        | <b>29.7</b> | <b>16.5ft</b> | <b>10.4ft</b> |
| Vert. spread  |             | <b>78.9°</b>  |               |
| Horiz. spread |             | <b>54.8°</b>  |               |

## AE-SF-G5CA440-PS

### 4ft • prime shadow • 4000K

|              | ZONE  | LUMENS         | % FIXTURE    |
|--------------|-------|----------------|--------------|
|              | 0-20° | <b>523.96</b>  | <b>23.43</b> |
| Wattage      | 0-30° | <b>1069.19</b> | <b>47.81</b> |
| CCT          | 0-40° | <b>1601.34</b> | <b>71.61</b> |
| Distribution | 0-60° | <b>2178.89</b> | <b>97.43</b> |
| Length       | 0-80° | <b>2230.17</b> | <b>99.73</b> |
|              | 0-90° | <b>2231.00</b> | <b>99.77</b> |



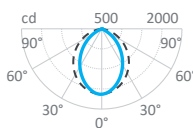
| DISTANCE      | CENTER Fc   | BEAM WIDTH    |               |
|---------------|-------------|---------------|---------------|
| 1.7ft         | <b>505</b>  | <b>2.0ft</b>  | <b>3.5ft</b>  |
| 3.3ft         | <b>134</b>  | <b>4.0ft</b>  | <b>6.8ft</b>  |
| 5.0ft         | <b>58.4</b> | <b>6.0ft</b>  | <b>10.3ft</b> |
| 6.7ft         | <b>32.5</b> | <b>8.1ft</b>  | <b>13.7ft</b> |
| 8.3ft         | <b>21.2</b> | <b>10.0ft</b> | <b>17.0ft</b> |
| 10.0ft        | <b>14.6</b> | <b>12.1ft</b> | <b>20.5ft</b> |
| Vert. spread  |             | <b>62.2°</b>  |               |
| Horiz. spread |             | <b>91.4°</b>  |               |

## Photometric Data - Lens Options

### AE-SF-G5CA440-LV

4ft · louver lens · 3500K

|              |              | ZONE  | LUMENS         | % FIXTURE    |
|--------------|--------------|-------|----------------|--------------|
|              |              | 0-20° | <b>569.29</b>  | <b>18.16</b> |
| Wattage      | <b>38.3W</b> | 0-30° | <b>1157.88</b> | <b>36.93</b> |
| CCT          | <b>3500K</b> | 0-40° | <b>1803.07</b> | <b>57.51</b> |
| Distribution | <b>120°</b>  | 0-60° | <b>2827.69</b> | <b>90.19</b> |
| Length       | <b>4ft</b>   | 0-80° | <b>3123.06</b> | <b>99.61</b> |
|              |              | 0-90° | <b>3130.91</b> | <b>99.86</b> |



| DISTANCE      | CENTER Fc   | BEAM WIDTH    |               |
|---------------|-------------|---------------|---------------|
| 1.7ft         | <b>564</b>  | <b>2.7ft</b>  | <b>4.2ft</b>  |
| 3.3ft         | <b>150</b>  | <b>5.3ft</b>  | <b>8.1ft</b>  |
| 5.0ft         | <b>65.2</b> | <b>8.0ft</b>  | <b>12.2ft</b> |
| 6.7ft         | <b>36.3</b> | <b>10.7ft</b> | <b>16.4ft</b> |
| 8.3ft         | <b>23.6</b> | <b>13.2ft</b> | <b>20.3ft</b> |
| 10.0ft        | <b>16.3</b> | <b>15.9ft</b> | <b>24.4ft</b> |
| Vert. spread  |             |               | <b>77.1°</b>  |
| Horiz. spread |             |               | <b>101.3°</b> |

# Sensor & Dimming

## Fixture-Integrated Sensors

| Product                                                                                                             | Detection type | Detection range | Bluetooth range | Dimming protocol | Installation            |
|---------------------------------------------------------------------------------------------------------------------|----------------|-----------------|-----------------|------------------|-------------------------|
|  <b>IFS108</b><br>Low bay · indoor | PIR            | 40ft            | 100ft           | 0-10V Dimming    | Integrated into fixture |

## Standalone Sensor

|                                                                                                                 |                     |             |      |        |                 |
|-----------------------------------------------------------------------------------------------------------------|---------------------|-------------|------|--------|-----------------|
|  <b>Detecta</b><br>AE-CT-DT806 | PIR<br>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, G5

|         |                    |
|---------|--------------------|
| 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.