

# F2 SERIES

Built for clean architectural runs, F2 mounts surface, mud-in or suspended with a 2in aperture. Lengths of 3, 4, 6 and 8ft cut to the inch, sharp 90° or 45° corners form L, T and X shapes, and the lens clips into the end caps so runs don't leak light.

Art Galleries

Office

Retail Stores

Hospitality



## Key Specifications

### Electrical

|               |                       |
|---------------|-----------------------|
| Input voltage | 120-277V              |
| Power factor  | > 0.9                 |
| THD           | < 20%                 |
| Dimming       | 0-10V dimming         |
| Power         | 23W · 31W · 46W · 61W |

### Optical

|                         |                            |
|-------------------------|----------------------------|
| CRI                     | 90 CRI                     |
| CCT                     | Switchable 3000/3500/4000K |
| Efficacy, polycarbonate | ~750lm/ft                  |
| Efficacy, UGR lens      | ~740lm/ft                  |
| Optics                  | Prismatic · UGR · 120°     |

### Physical

|                |                                  |
|----------------|----------------------------------|
| Length         | 3ft · 4ft · 6ft · 8ft            |
| Aperture       | 2in                              |
| Mounting       | Surface · Mud in · Suspended     |
| Fixture finish | Black · White · Silver · Custom  |
| Custom design  | X, L, T shapes · continuous runs |
| Ambient        | -20°C to 45°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-F2**

Catalog #:

## 01 FIXTURE FAMILY

**AE-SF-F2**

F2

## 02 LENGTH | POWER

**23**

W

**-3-23**

3ft | 23W

**31**

W

**-4-31**

4ft | 31W

**46**

W

**-6-46**

6ft | 46W

**61**

W

**-8-61**

8ft | 61W

## 03 CCT

**-30/40/CCT**

3000/3500/4000K CCT Selectable

## 04 DIFFUSER

**Blank**

Polycarbonate

**-UGR**

Low Glare

## 05 FINISH

**-WH**

White

**-BK**

Black

**-SV**

Silver

**-RALXXXX**

Custom Color

## 06 MOUNTING

**-SMT**

Surface Mount

**-AIR**

Suspended for  
Stand alone

**-AIRLINK**

Suspended for continuous runs

**-MUD**

Recessed in  
Gypsum

## 07 DIMMING

**Blank**

Standard 0-10V

**-1DIM**

Down to 1%

If multiple fixtures connected to same 0-10V dimming line, use 0-10V controller for consistent dimming.

Maximum of 700W per electrical drop.

Default CCT setting is 4000K but can be changed before shipping.

For custom lengths, please contact factory.

## CUSTOM RAL COLORS

**RAL 6005**  
Moss Green

**RAL 6032**  
Signal Green

**RAL 6027**  
Light Green

**RAL 5003**  
Sapphire Blue

**RAL 7001**  
Silver Gray

**RAL 7033**  
Cement Gray

**RAL 7038**  
Agate Gray

**RAL 9001**  
Cream

**RAL 9006**  
Silver

**RAL 7040**  
Window Gray

**RAL 1015**  
Light Ivory

**RAL 2012**  
Salmon Orange

**RAL 3031**  
Orient Red

**RAL 8024**  
Beige Brown

**RAL 9003**  
Signal White

**RAL 9007**  
Gray Aluminum

**RAL 9022**  
Light Pearl Gray

**RAL 9023**  
Pearl Dark Gray

**RAL 7011**  
Iron Gray

**RAL 9004**  
Signal Black

Replace RALXXXX with the four-digit RAL number.  
Colors are indicative — contact the manufacturer  
for anything outside this chart.

# Ordering Guide - Custom Design

Assembled Catalog Number

[RESET](#)

**AE-SF-F2**

Catalog #:

## 01 FIXTURE FAMILY



**AE-SF-F2**  
ERALUX F2 Linear Architectural Fixture

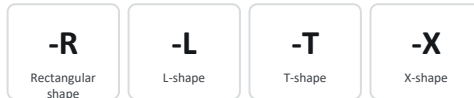
## 02 SIDE 1



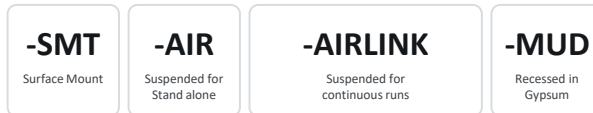
## 03 SIDE 2



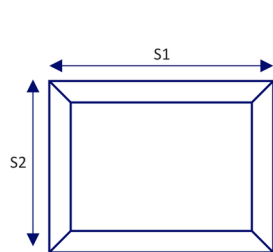
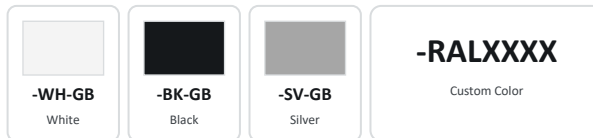
## 04 DESIGN



## 05 MOUNTING

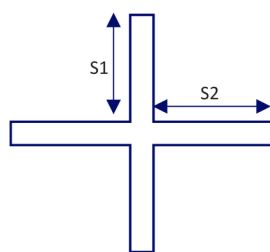


## 06 FINISH



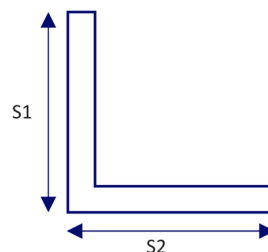
### Rectangle

For square, S1 equals S2.



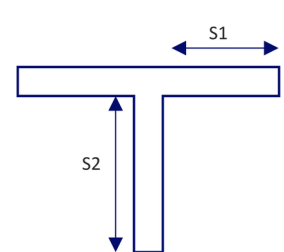
### X - Shape

Symmetrical sides.



### L - Shape

For equal sides, S1 equals S2.



### T - Shape

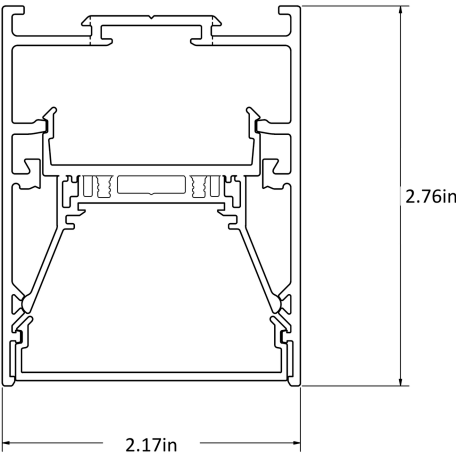
Symmetrical side.

For more complex designs, contact factory. Maximum of 700W per electrical drop. For RALXXXX custom color, see the chart on the fixture ordering guide (page 2). Inner and outer corner L-shapes are available, contact factory for more information.

# Dimensions

| SIZE | LENGTH  | WIDTH  | HEIGHT |
|------|---------|--------|--------|
| 3ft  | 36.46in | 2.17in | 2.76in |
| 4ft  | 48.50in | 2.17in | 2.76in |
| 6ft  | 72.48in | 2.17in | 2.76in |
| 8ft  | 96.50in | 2.17in | 2.76in |

The length shown includes the end caps on both sides. Thickness of the end caps is 0.07in.  
Installation instructions: [Install Instruction F2](#) · [Install Instruction F2 AIR](#)



## Top view



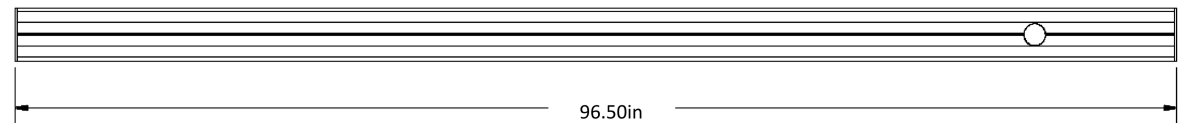
3ft



4ft



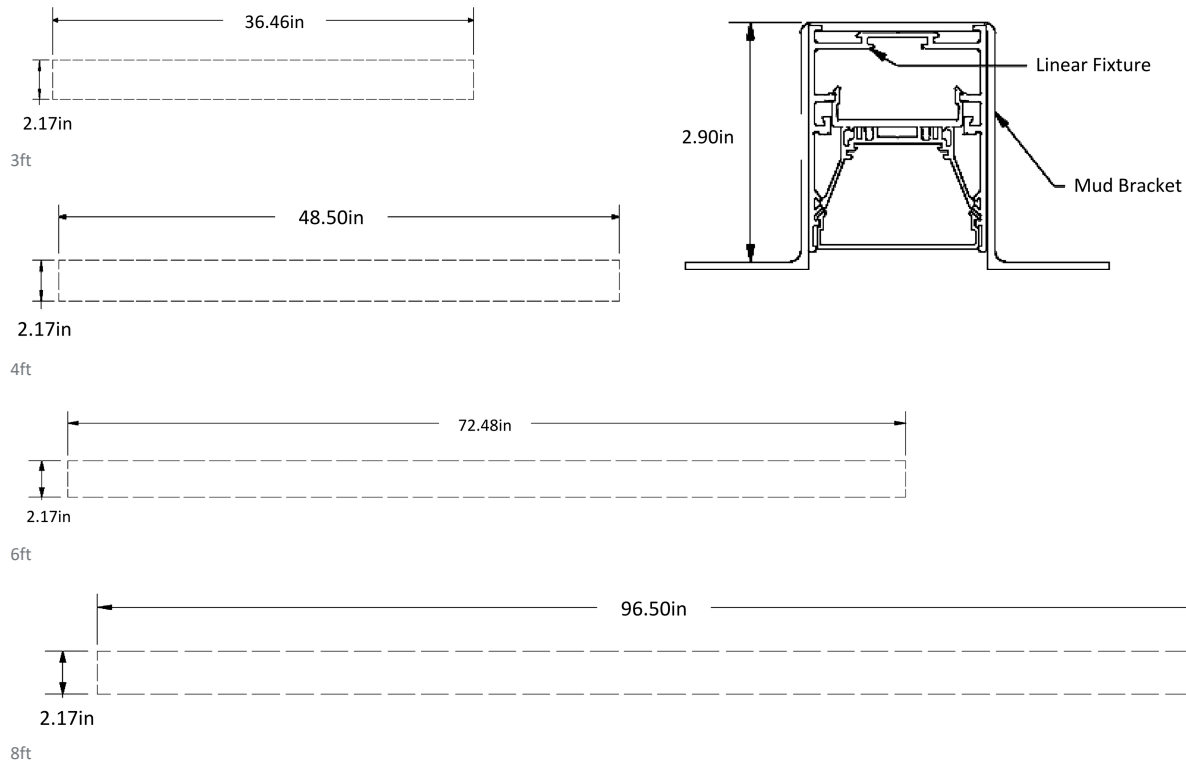
6ft



8ft

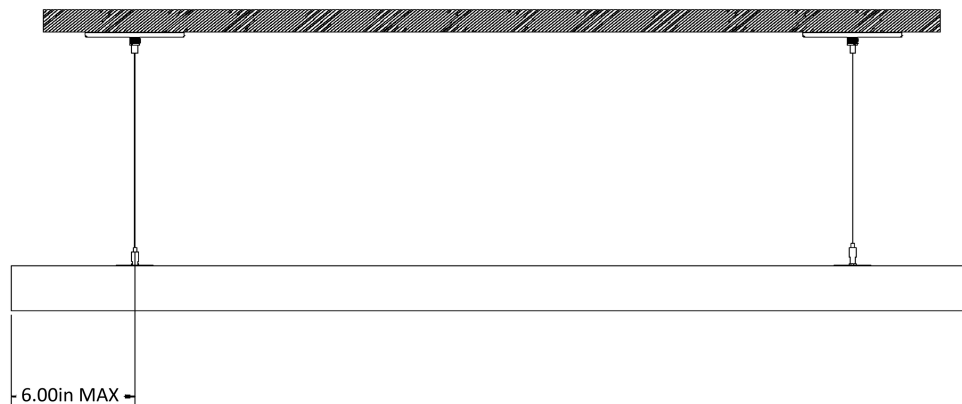
## Dimensions - Recessed and Suspended

### Recessed — Mud in: ceiling cut-out



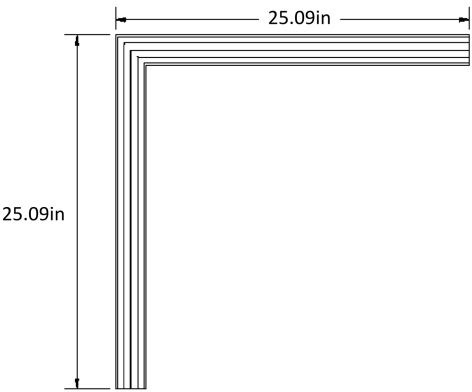
Minimum clearance space needed in the ceiling is 2.9in for mudding installation.

### Suspended — aircraft cables location

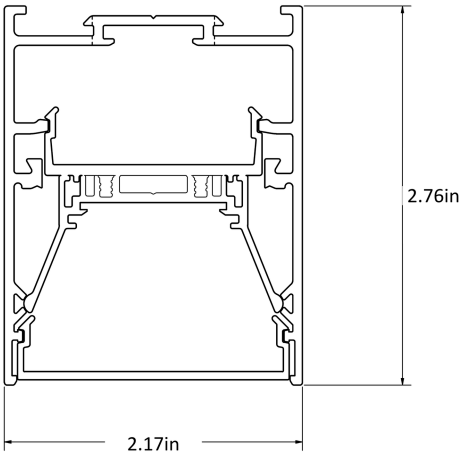


Bracket used for suspension is adjustable, you can slide the bracket along the fixture. The maximum allowable distance of the bracket is 6in from the end cap, both sides. Same distance applied on all F2 sizes.

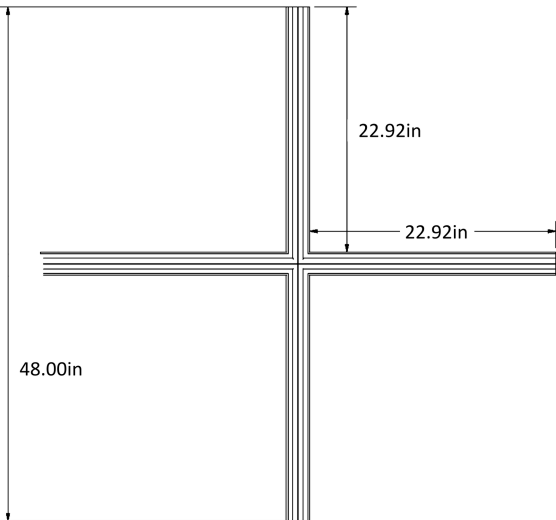
# Dimensions - Custom Design



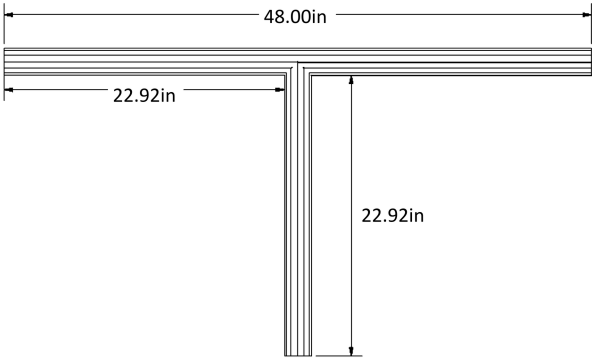
L-SHAPE 90L - top view



Side view



X-SHAPE - top view



T-SHAPE - top view

## Accessories

### For mounting



#### AE-SF-F2-L-PTB-PF-6-WH-CANOPY

##### Power feed canopy

6ft power cord and 6ft suspension wires.  
Black: AE-SF-F2-L-PTB-PF-6-BK-CANOPY.



#### AE-SF-F2-L-PTB-NPF-6-WH-CANOPY

##### Non power feed canopy

6ft suspension wire.  
Black: AE-SF-F2-L-PTB-NPF-6-BK-CANOPY.



#### AE-SF-F2-MUD-BKT

##### Mud bracket

Mud bracket for recessed gypsum mount - 2 pcs. 3in minimum clearance is needed in the ceiling.

### For continuous run and disassembling



#### AE-SF-F2-180-MECHANICAL LINK

##### Mechanical link

Mechanical link for continuous mounting.



#### AE-SF-F2-L-CH-ELECTRICAL LINK

##### Electrical link

Electrical connection for continuous mounting.



#### AE-SF-L-DA

##### Disassembly tool set

Rubber diffuser sucker and F2 disassembly tool. These tools are used while installing the fixture to remove the lens and light engine.

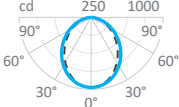
All accessories are ordered separately.

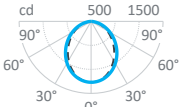
# Photometric Data

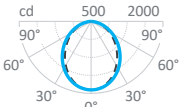
## Lumen Estimate Adjustment Factors

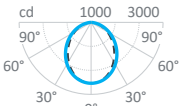
3000K  $\times 0.94$  4000K  $\times 1$  5000K  $\times 1.03$

Factors apply to the premium (90 CRI) option. Lumen output varies based on CCT and CRI; multiply by the factor for the CCT ordered.

| AE-SF-F2-3-23-30/40/CCT |       | ZONE  | LUMENS  | % FIXTURE |  | DISTANCE      | CENTER Fc | BEAM WIDTH |        |
|-------------------------|-------|-------|---------|-----------|-----------------------------------------------------------------------------------|---------------|-----------|------------|--------|
| 3ft · 23W · 4000K       |       |       |         |           |                                                                                   |               |           |            |        |
|                         |       | 0-20° | 347.41  | 14.81     |                                                                                   | 1.7ft         | 336       | 4.1ft      | 3.5ft  |
| Wattage                 | 22.5W | 0-30° | 718.77  | 30.65     |                                                                                   | 3.3ft         | 89.2      | 8.0ft      | 6.8ft  |
| CCT                     | 4000K | 0-40° | 1140.81 | 48.64     |                                                                                   | 5.0ft         | 38.9      | 12.1ft     | 10.3ft |
| Distribution            | 120°  | 0-60° | 1898.37 | 80.94     |                                                                                   | 6.7ft         | 21.6      | 16.2ft     | 13.9ft |
| Length                  | 3ft   | 0-80° | 2283.51 | 97.36     |                                                                                   | 8.3ft         | 14.1      | 20.1ft     | 17.2ft |
|                         |       | 0-90° | 2316.64 | 98.78     |                                                                                   | 10.0ft        | 9.71      | 24.2ft     | 20.7ft |
|                         |       |       |         |           |                                                                                   | Vert. spread  |           |            | 101.0° |
|                         |       |       |         |           |                                                                                   | Horiz. spread |           |            | 91.9°  |

| AE-SF-F2-4-31-30/40/CCT |       | ZONE  | LUMENS  | % FIXTURE |  | DISTANCE      | CENTER Fc | BEAM WIDTH |        |
|-------------------------|-------|-------|---------|-----------|-----------------------------------------------------------------------------------|---------------|-----------|------------|--------|
| 4ft · 31W · 4000K       |       |       |         |           |                                                                                   |               |           |            |        |
|                         |       | 0-20° | 453.14  | 14.81     |                                                                                   | 1.7ft         | 438       | 4.1ft      | 3.5ft  |
| Wattage                 | 30.4W | 0-30° | 937.53  | 30.65     |                                                                                   | 3.3ft         | 116       | 8.0ft      | 6.8ft  |
| CCT                     | 4000K | 0-40° | 1488.00 | 48.64     |                                                                                   | 5.0ft         | 50.7      | 12.1ft     | 10.3ft |
| Distribution            | 120°  | 0-60° | 2476.12 | 80.94     |                                                                                   | 6.7ft         | 28.2      | 16.2ft     | 13.9ft |
| Length                  | 4ft   | 0-80° | 2978.47 | 97.36     |                                                                                   | 8.3ft         | 18.4      | 20.1ft     | 17.2ft |
|                         |       | 0-90° | 3021.70 | 98.78     |                                                                                   | 10.0ft        | 12.7      | 24.2ft     | 20.7ft |
|                         |       |       |         |           |                                                                                   | Vert. spread  |           |            | 101.0° |
|                         |       |       |         |           |                                                                                   | Horiz. spread |           |            | 91.9°  |

| AE-SF-F2-6-46-30/40/CCT |       | ZONE  | LUMENS  | % FIXTURE |  | DISTANCE      | CENTER Fc | BEAM WIDTH |        |
|-------------------------|-------|-------|---------|-----------|-------------------------------------------------------------------------------------|---------------|-----------|------------|--------|
| 6ft · 46W · 4000K       |       |       |         |           |                                                                                     |               |           |            |        |
|                         |       | 0-20° | 679.71  | 14.81     |                                                                                     | 1.7ft         | 658       | 4.1ft      | 3.5ft  |
| Wattage                 | 45.1W | 0-30° | 1406.29 | 30.65     |                                                                                     | 3.3ft         | 175       | 8.0ft      | 6.8ft  |
| CCT                     | 4000K | 0-40° | 2232.00 | 48.64     |                                                                                     | 5.0ft         | 76.0      | 12.1ft     | 10.3ft |
| Distribution            | 120°  | 0-60° | 3714.19 | 80.94     |                                                                                     | 6.7ft         | 42.3      | 16.2ft     | 13.9ft |
| Length                  | 6ft   | 0-80° | 4467.71 | 97.36     |                                                                                     | 8.3ft         | 27.6      | 20.1ft     | 17.2ft |
|                         |       | 0-90° | 4532.54 | 98.78     |                                                                                     | 10.0ft        | 19.0      | 24.2ft     | 20.7ft |
|                         |       |       |         |           |                                                                                     | Vert. spread  |           |            | 101.0° |
|                         |       |       |         |           |                                                                                     | Horiz. spread |           |            | 91.9°  |

| AE-SF-F2-8-61-30/40/CCT |       | ZONE  | LUMENS  | % FIXTURE |  | DISTANCE      | CENTER Fc | BEAM WIDTH |        |
|-------------------------|-------|-------|---------|-----------|-------------------------------------------------------------------------------------|---------------|-----------|------------|--------|
| 8ft · 61W · 4000K       |       |       |         |           |                                                                                     |               |           |            |        |
|                         |       | 0-20° | 906.28  | 14.81     |                                                                                     | 1.7ft         | 877       | 4.1ft      | 3.5ft  |
| Wattage                 | 59.8W | 0-30° | 1875.05 | 30.65     |                                                                                     | 3.3ft         | 233       | 8.0ft      | 6.8ft  |
| CCT                     | 4000K | 0-40° | 2976.00 | 48.64     |                                                                                     | 5.0ft         | 101       | 12.1ft     | 10.3ft |
| Distribution            | 120°  | 0-60° | 4952.25 | 80.94     |                                                                                     | 6.7ft         | 56.4      | 16.2ft     | 13.9ft |
| Length                  | 8ft   | 0-80° | 5956.95 | 97.36     |                                                                                     | 8.3ft         | 36.8      | 20.1ft     | 17.2ft |
|                         |       | 0-90° | 6043.39 | 98.78     |                                                                                     | 10.0ft        | 25.3      | 24.2ft     | 20.7ft |
|                         |       |       |         |           |                                                                                     | Vert. spread  |           |            | 101.0° |
|                         |       |       |         |           |                                                                                     | Horiz. spread |           |            | 91.9°  |