

MOONRAKER

An affordable, energy-efficient wrap-around linear for offices, retail and warehouses, in 2ft and 4ft, with switchable power, switchable CCT and over 110lm/W.

Industrial

Commercial

Office

Warehouse

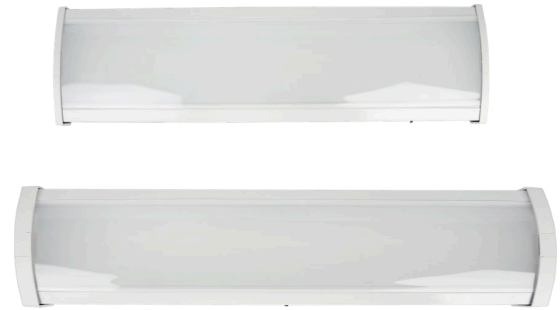
Retail Stores

Parking



Project Information

Type: Date:
 Project:
 Catalog #:
 Notes:



Key Specifications

Electrical

Input voltage	120-277/347V
Power factor	>0.9
THD	<20%
Dimming	0-10V dimming
Power	2ft 25/20/15W · 4ft 50/40/30W

Optical

Efficacy	≥110lm/W · 1438lm/ft
CRI	80 CRI
CCT	Switchable 30/35/40K or 35/40/50K
Distribution	Lambertian 110°

Physical

Lengths	2ft · 4ft
Mounting	Surface mount · Suspended
Fixture finish	White
Custom design	Continuous run
Ambient	-20°C to 40°C
Accessories	Suspension · Link · Motion sensor

Certifications

Listings	5-Yr Warranty · cETLus · DLC · RoHS
Lumen maintenance	L75 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

L75 at 50000h

Rated for 75% 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-MRE

01 **FIXTURE FAMILY**



AE-SF-MRE

ERALUX Moonraker wrap-around fixture

02 **LENGTH | POWER**

-02-1525

2ft · 15/20/25W
1725/2300/2875lm

-04-3248

4ft · 30/40/50W
3450/4600/5750lm

03 **CRI**

N

80 CRI

04 **VOLTAGE**

-CA

120-277/347V

05 **CONTROL**

Blank

0-10V dimming

-MS

Motion sensor

06 **MOUNTING**

Blank

Surface mount

-SUSP

Suspended

07 **CCT**

-303540

30/35/40K switchable

-354050

35/40/50K switchable

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.

Ordering Guide - Fixture (continued)

Ordering Guide - Accessory (ordered separately)

[RESET](#)

AE-SF-MRE

01 ACCESSORY FAMILY



AE-SF-MRE
Moonraker accessory

02 ACCESSORY



-04-SMT-LINK
Link kit



-SUS-KIT
Suspension kit



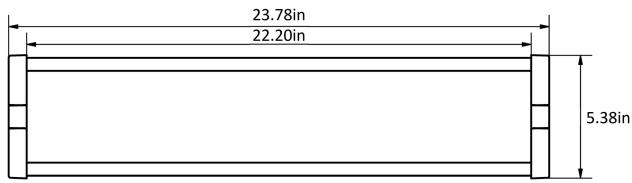
-MS
Motion sensor

Link kit for continuous run, surface and suspended. Accessory details on page 05; motion sensor and RC102 remote control on page 07.

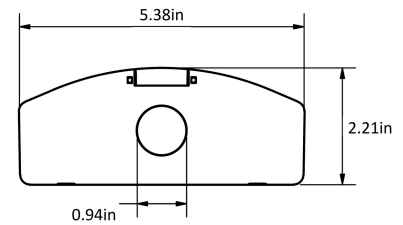
Dimensions

Fixture

2ft

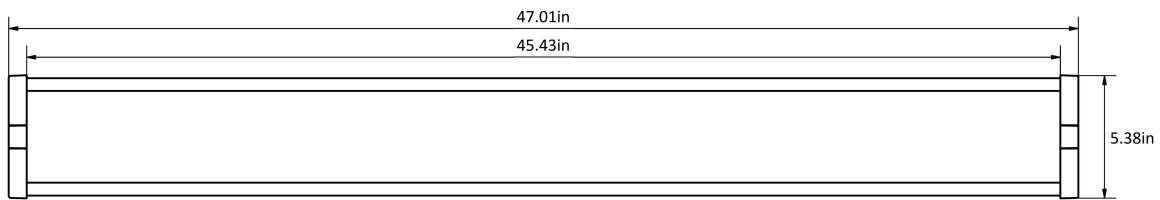


Bottom view



Side view (2ft and 4ft)

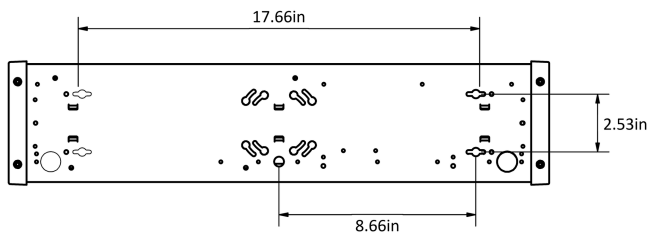
4ft



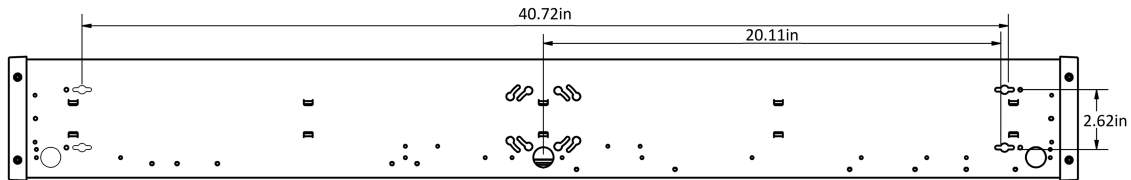
Bottom view

Mounting - Drilling Pattern for Surface Mount

2ft



4ft



All dimensions in inches. Installation instructions: [Install Instruction link](#)

Accessories & Overview

Accessories

For suspended mounting and continuous runs. Ordered separately if needed.

ORDER CODE	DESCRIPTION
AE-SF-MRE-SUS-KIT	Suspension kit: 1 set has two 9.5ft aircraft cables
AE-SF-MRE-04-SMT-LINK	Link kit: row link for continuous run · with electrical link · for surface and suspended



AE-SF-MRE-SUS-KIT



AE-SF-MRE-04-SMT-LINK



Link kit - electrical link

Overview

Innovative Design

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

Accessories

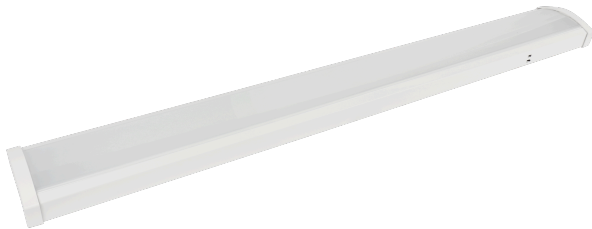
- Suspension kit
- Link kit for continuous runs
- Motion sensor

Multiple Options

- Two standard length available: 2 and 4ft.
- Three CCT switchable 30/35/40K or 35/40/50K and power switchable.
- White finishes.

Mountings Available

- Suspended
- Surface mount



DLC Qualified Models

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

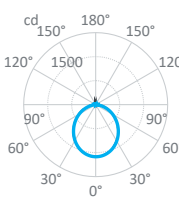
DLC	PRODUCT ID	MODEL NUMBER	CATEGORY	CLASS
5.1	S-6KPPG5	AE-SF-MRE-02-1525N-CA	Indoor	Standard
5.1	S-P7Z9VS	AE-SF-MRE-04-3248N-CA	Indoor	Standard

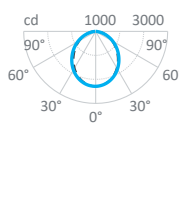
Photometric Data

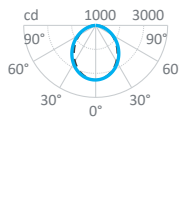
Lumen Estimate Adjustment Factors

3500K $\times 0.97$ 4000K $\times 1$ 5000K $\times 1.03$

Factors for 80 CRI. Lumen output varies based on CCT and CRI; use the correction factor for the CCT ordered.

AE-SF-MRE-02-1525N-CAXXXX					DISTANCE		CENTER Fc	BEAM WIDTH	
2ft · 25W · 5000K	ZONE	LUMENS	% FIXTURE						
	0-20°	391.59	13.51		1.7ft		376	4.3ft	4.3ft
Wattage	24.4W	0-40°	1318.74	45.49	3.3ft		99.7	8.3ft	8.3ft
CCT	5000K	0-60°	2253.82	77.75	5.0ft		43.4	12.6ft	12.6ft
Distribution	110°	0-80°	2766.51	95.44	6.7ft		24.2	16.9ft	16.9ft
Length	2ft	0-90°	2833.80	97.76	8.3ft		15.8	21.0ft	21.0ft
	0-180°	2898.78	100.00		10.0ft		10.9	25.2ft	25.3ft
					Vert. spread				103.2°
					Horiz. spread				103.3°

AE-SF-MRE-04-3248N-CAXXXX					DISTANCE		CENTER Fc	BEAM WIDTH	
4ft · 50W · 4000K	ZONE	LUMENS	% FIXTURE						
	0-20°	820.34	14.19		1.7ft		792	4.3ft	3.9ft
Wattage	46.8W	0-30°	1707.92	29.54	3.3ft		210	8.3ft	7.5ft
CCT	4000K	0-40°	2730.81	47.24	5.0ft		91.5	12.5ft	11.4ft
Distribution	110°	0-60°	4608.39	79.71	6.7ft		51.0	16.8ft	15.3ft
Length	4ft	0-80°	5631.00	97.40	8.3ft		33.2	20.8ft	18.9ft
	0-90°	5781.13	100.00		10.0ft		22.9	25.0ft	22.8ft
					Vert. spread				102.7°
					Horiz. spread				97.4°

AE-SF-MRE-04-3248N-CAXXXX					DISTANCE		CENTER Fc	BEAM WIDTH	
4ft · 50W · 5000K	ZONE	LUMENS	% FIXTURE						
	0-20°	812.66	14.22		1.7ft		787	4.3ft	3.8ft
Wattage	48.2W	0-30°	1689.43	29.56	3.3ft		209	8.3ft	7.4ft
CCT	5000K	0-40°	2698.00	47.21	5.0ft		90.9	12.5ft	11.2ft
Distribution	110°	0-60°	4548.99	79.59	6.7ft		50.6	16.8ft	15.0ft
Length	4ft	0-80°	5563.91	97.35	8.3ft		33.0	20.8ft	18.5ft
	0-90°	5715.39	100.00		10.0ft		22.7	25.1ft	22.3ft
					Vert. spread				102.9°
					Horiz. spread				96.3°

Controls - Motion Sensor (ordered separately, field installed)

PART NUMBER	DESCRIPTION
AE-SF-MRE-MS	BI-Level Microwave Motion Sensor
AE-IL-SB2-CA-REMOTE-CTRL	RC102 Remote Control



AE-SF-MRE-MS



RC102 remote

Specifications

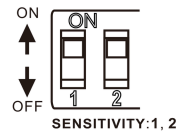
Input voltage	12V-24V DC
Input current	>50mA
DIM control output	0-10V. 25mA sinking current
Humidity	Max. 95% RH
Detection range	50ft · 360°
Mounting height	25ft max
Operating temp.	-40°F to 158°F · -40°C to 70°C

DIP Switch Settings



Sensitivity

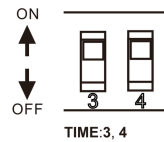
The sensitivity can be adjusted with four options 20%, 50%, 75% and 100% using switches 1 and 2



SENSITIVITY	
1	2
↓	↓
↓	↑
↑	↓
↑	↑

Hold Time

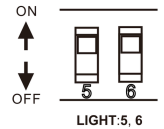
The hold time can be 10sec, 1, 5, or 15min using the switches 3 and 4



TIME	
3	4
↓	↓
↓	↑
↑	↓
↑	↑

Light-control

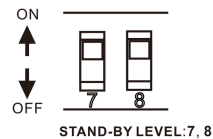
The response threshold ranges from 10 to 50lux, adjustable with switches 5 and 6.



LIGHT	
5	6
↓	↓
↓	↑
↑	↓
↑	↑

Stand-by Light level

The standby light level ranges from 0 to 50%, adjustable with switches 7 and 8.



STAND-BY LEVEL	
7	8
↓	↓
↓	↑
↑	↓
↑	↑

Stand-by Time

The standby time ranges from +∞ to 60min, adjustable with switches 9 and 10.



STAND-BY TIME	
9	10
↓	↓
↓	↑
↑	↓
↑	↑