MOONRAKER

LINEAR LED LIGHT

Wrap Around Light | 2' & 4'

The MoonRaker series is an affordable, energy-efficient linear strip light available in 2' and 4' lengths. Designed for surface mounting or suspension. It offers over 110 LPW efficacy, a wide 120-347V range, and easy maintenance with snap-lock access. With adjustable light output and CCT options provides flexibility to suit various environment. The MoonRaker combines efficiency, versatility and easy maintenance.

Application: Industrial | Commercial | Office | Warehouse |Retail Stores | Parking.

eralux®

DATE	QTY	ACC. QTY	TYPE

PROJECT	
PN	
ACCESSORY PN	
NOTES	

👆 DYNAMIC MENU

Order Information	
Dimensions	
Accessories	
Photometric Data	

Install Instruction link

SPECIFICATIONS

Input Voltage	120-347V	
Power Factor	>0.9	
Total Harmonic Distortion	<20%	
Dimming	0-10V dimming	
CRI	80 CRI	
CCT	35K 40K 50K	
Efficacy	≥110 lm/w	1438 lm/ft
Length (feet)	2'	4'
Power (watt)	25/20/15	50/40/30
Ambient Temperature Range	-20˚C to 40˚C	
Mounting Options	Suspended Surface mount	
Fixture Finish	White	
Custom Design	Continuous run	
Distribution	Lambertian 110˚	

PRODUCT FEATURES

POWER SWITCHABLE   CCT SWITCHABLE   Damp Location   Motion Sensor
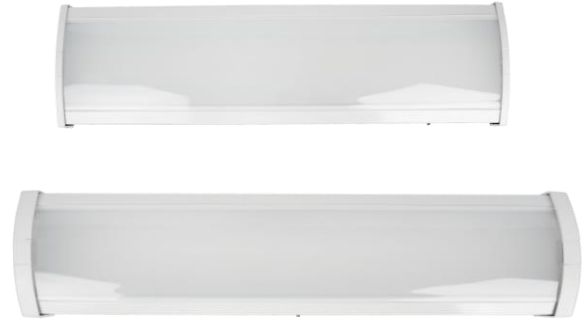
PRODUCT CERTIFICATIONS

5 YEARS WARRANTY eralux   RoHS   UL CERTIFIED SAFETY CA SÛRETÉ CA E509450   DLC LISTED

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" **page 6**

SYSTEM WARRANTY – 5 YEARS

Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with a thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

LUMEN MAINTENANCE – L75 at 100,000 hours

Rated for 75% initial lumen output at 100,000 hours of operation, operated at 25˚C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

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👆 ORDERING GUIDE

AE-SF-MRE		N	-CA		

AE-SF-MRE	**-02 | -1525**	**N**	**-CA**	**[BLANK]**	**[BLANK]**
ERALUX Moonraker wrap around fixture	2 Ft | 15/20/25W 1725/2300/2875 Lm	80 CRI	120-347V	0-10V Dimming	Surface mount
		35/40/50K Switchable		**-MS** Motion Sensor	**-SUSP**[2] Suspended
	-04 | -3248 4 Ft | 30/40/50W 3450/4600/5750 Lm				

Fixture Family	**Length | Power**	**CRI | CCT**	**Voltage**	**Control**	**Mounting**

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 - ACCESSORY

AE-SF-MRE-04-SMT-LINK
Link kit for continuous run
Surface and suspended

Link

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DIMENSIONS - FIXTURE

SIZE	BOTTOM VIEW	SIDE VIEW
2FT	23.78 in / 22.20 in / 5.38 in	5.38 in / 2.21 in / .94 in
4FT	47.01 in / 45.43 in / 5.38 in	

DIMENSIONS - MOUNTING

SIZE	⊙ DRILLING PATTERN FOR SURFACE MOUNT
2FT	17.66 in / 2.53 in / 8.66 in
4FT	40.72 in / 20.11 in / 2.62 in

ACCESSORIES
FOR SUSPENDED
Ordered separately if needed

ACCESSORIES		
ORDER CODE	**DESCRIPTION**	**PICTURE**
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	

CONTROLS

MOTION SENSOR
Ordered separately, field installed

PART NUMBER	DESCRIPTION
AE-SF-MRE-MOTIONSENSOR	BI-Level Microwave Motion Sensor
AE-SF-MRE-MS-REMOTE	RC102 Remote Control

SPECIFICATIONS	
Input Voltage	12V-24V DC
Input Current	>50mA
DIM control output	0-10V. 25mA sinking current
Humidity	Max. 95% RH
Detection Range/ angle	15 Meters/360˚
	50 Feet
Mounting Height	7.7 Meters Max
	25 Feet Max
Operating Temperature	-40˚F to 158˚F
	-40˚C to 70˚C

Zone Coverage

Side View

Top View
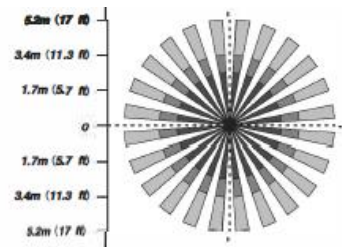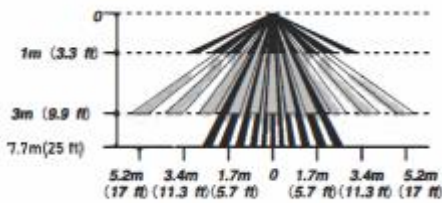
Sensitivity

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

Hold Time

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

Light-control

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

Stand-by Light level

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

Stand-by Time

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

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LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

LUMEN ESTIMATE ADJUSTMENT FACTORS			
CCT	3500K	4000K	5000K
80CRI	0.97	1	1.03

PHOTOMETRIC DATA

AE-SF-MRE-02-1525N-CAXXXX

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-SF-MRE-02-1525N-CAXXXX		Zone	Lumens	% Fixture
Wattage	25W	0-20°	391.61	13.4
CCT	5000K	0-30°	819.55	28.1
Distribution	110˚	0-40°	1318.79	45.3
Length	2ft	0-60°	2253.9	77.4
		0-80°	2766.6	95
		0-90°	2833.9	97.3

POLAR LUMINOUS INTENSITY — Direct Light

CONE DISTRIBUTION

	Center Beam Fc	Beam Width	
1.7ft	376 fc	4.3 ft	4.3 ft
3.3ft	99.7 fc	8.3 ft	8.3 ft
5.0ft	43.4 fc	12.6 ft	12.6 ft
6.7ft	24.2 fc	16.9 ft	16.9 ft
8.3ft	15.8 fc	21.0 ft	21.0 ft
10.0ft	10.9 fc	25.2 ft	25.3 ft

Vert. Spread: 103.2°
Horiz. Spread: 103.3°

AE-SF-MRE-04-3248N-CAXXXX

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-SF-MRE-04-3248N-CAXXXX		Zone	Lumens	% Fixture
Wattage	50W	0-20	820.34	13.9
CCT	4000K	0-30	1707.92	28.9
Distribution	110˚	0-40	2730.81	46.2
Length	4ft	0-60	4608.39	78
		0-80	5631	95.2
		0-90	5781.13	97.8

POLAR LUMINOUS INTENSITY — Direct Light

CONE DISTRIBUTION

	Center Beam Fc	Beam Width	
1.7ft	792 fc	4.2 ft	3.9 ft
3.3ft	210 fc	8.2 ft	7.5 ft
5.0ft	91.5 fc	12.5 ft	11.4 ft
6.7ft	51 fc	16.7 ft	15.2 ft
8.3ft	33.2 fc	20.7 ft	18.9 ft
10.0ft	22.9 fc	24.9 ft	22.8 ft

Vert. Spread: 102.6°
Horiz. Spread: 97.4°

AE-SF-MRE-04-3248N-CAXXXX

PART NUMBER		ZONAL LUMEN SUMMARY		
AE-SF-MRE-04-3248N-CAXXXX		Zone	Lumens	% Fixture
Wattage	50W	0-20	812.66	13.8
CCT	5000K	0-30	1689.43	28.7
Distribution	110˚	0-40	2698	45.8
Length	4ft	0-60	4548.99	77.3
		0-80	5563.91	94.5
		0-90	5715.39	97.1

POLAR LUMINOUS INTENSITY — Direct Light

CONE DISTRIBUTION

	Center Beam Fc	Beam Width	
1.7ft	787 fc	4.3 ft	3.8 ft
3.3ft	209 fc	8.3 ft	7.4 ft
5.0ft	90.9 fc	12.5 ft	11.2 ft
6.7ft	50.6 fc	16.8 ft	15.0 ft
8.3ft	33 fc	20.8 ft	18.5 ft
10.0ft	22.7 fc	25.1 ft	22.3 ft

Vert. Spread: 102.9°
Horiz. Spread: 96.3°

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OVERVIEW

Innovative Design

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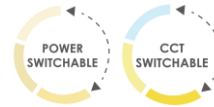- Highly durable polycarbonate and high transmittance lens.

Multiple Options

- Two standard length available: 2 and 4ft.
- Three CCT switchable and power tunable.
- Black & white finishes.

POWER SWITCHABLE   CCT SWITCHABLE

Accessories

- Suspension kit
- Motion sensor

Motion Sensor

Mountings Available

- Suspended
- Surface mount

Tests And Certifications

5 YEARS WARRANTY eralux

RoHS

UL CERTIFIED SAFETY CA SÛRETÉ CA E509450

DLC LISTED

Damp Location

DLC MODEL	PRODUCT ID	APPLICATION
AE-SF-MRE-02-1525N-CA	S-6KPPG5	(Direct Linear Ambient) – DLC
AE-SF-MRE-04-3248N-CA	S-P7Z9VS	(Direct Linear Ambient) – DLC