

# MOONRAKER

eralux®

## 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.

	DATE	QTY	ACC. QTY	TYPE
PROJECT				
PN				
ACCESSORY PN				
NOTES				



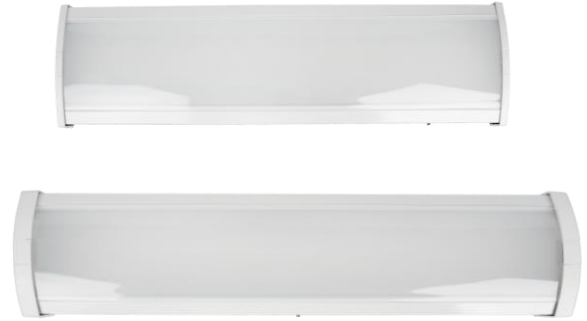
### DYNAMIC MENU

Order Information	<a href="#">Page 2</a>
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Accessories	<a href="#">Page 4</a>
Photometric Data	<a href="#">Page 5</a>

[Install Instruction link](#)

### SPECIFICATIONS

Input Voltage	120-347V	
Power Factor	>0.9	
Total Harmonic Distortion	<20%	
Dimming	0-10V dimming	
CRI	80 CRI	
CCT	<div style="display: flex; gap: 10px;"> <span>35K</span> <span>40K</span> <span>50K</span> </div>	
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	<div style="display: flex; align-items: center;"> <span>Suspended</span> <span>Surface mount</span> </div>	
Fixture Finish	<div style="display: flex; align-items: center;"> <span>White</span> </div>	
Custom Design	Continuous run	
Distribution	<div style="text-align: center;"> <p>Lambertian 110°</p> </div>	



### PRODUCT FEATURES



### PRODUCT CERTIFICATIONS



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](http://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		
<b>AE-SF-MRE</b> ERALUX Moonraker wrap around fixture	<b>-02   -1525</b> 2 Ft   15/20/25W 1725/2300/2875 Lm  <b>-04   -3248</b> 4 Ft   30/40/50W 3450/4600/5750 Lm	<b>N</b> 80 CRI  35/40/50K Switchable	<b>-CA</b> 120-347V	<b>[BLANK]</b> 0-10V Dimming <b>-MS</b> Motion Sensor	<b>[BLANK]</b> Surface mount <b>-SUSP<sup>2</sup></b> Suspended
<b>Fixture Family</b>	<b>Length   Power</b>	<b>CRI   CCT</b>	<b>Voltage</b>	<b>Control</b>	<b>Mounting</b>

#### 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		
4FT		

### DIMENSIONS - MOUNTING

SIZE	DRILLING PATTERN FOR SURFACE MOUNT
2FT	
4FT	

### 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	

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### 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

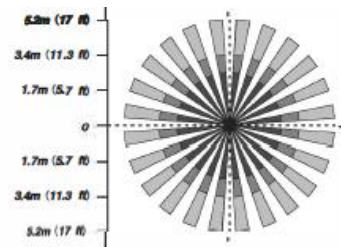
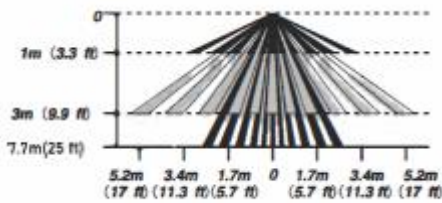
SPECIFICATIONS	
Input Voltage	12V-24V DC
Input Current	>50mA
DIM control output	0-10V, 25mA sinking current
Humidity	Max. 95% RH
Detection Range/angle	15 Meters/360° 50 Feet
Mounting Height	7.7 Meters Max 25 Feet Max
Operating Temperature	-40°F to 158°F -40°C to 70°C



#### 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.



<p>ON ↑</p> <p>OFF ↓</p> <p>SENSITIVITY: 1, 2</p>	<p>SENSITIVITY</p> <p>1 2</p> <p>↓ ↓ 20%</p> <p>↓ ↓ 50%</p> <p>↑ ↑ 75%</p> <p>↑ ↑ 100%</p>
<p>ON ↑</p> <p>OFF ↓</p> <p>TIME: 3, 4</p>	<p>TIME</p> <p>3 4</p> <p>↓ ↓ 10S</p> <p>↑ ↑ 1Min</p> <p>↑ ↑ 5Min</p> <p>↑ ↑ 15Min</p>
<p>ON ↑</p> <p>OFF ↓</p> <p>LIGHT: 5, 6</p>	<p>LIGHT</p> <p>5 6</p> <p>↓ ↓ (light sensor disable)</p> <p>↑ ↑ 10Lux</p> <p>↑ ↑ 30Lux</p> <p>↑ ↑ 50Lux</p>
<p>ON ↑</p> <p>OFF ↓</p> <p>STAND-BY LEVEL: 7, 8</p>	<p>STAND-BY LEVEL</p> <p>7 8</p> <p>↓ ↓ 0%</p> <p>↑ ↑ 10%</p> <p>↑ ↑ 30%</p> <p>↑ ↑ 50%</p>
<p>ON ↑</p> <p>OFF ↓</p> <p>STAND-BY TIME: 9, 10</p>	<p>STAND-BY TIME</p> <p>9 10</p> <p>↓ ↓ +∞</p> <p>↑ ↑ 1Min</p> <p>↑ ↑ 30Min</p> <p>↑ ↑ 60Min</p>

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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

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-MRE-02-1525N-CAXXXX		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width		
Wattage	25W	0-20°	391.61	13.4		1.7ft	376 fc	4.3 ft	4.3 ft
CCT	5000K	0-30°	819.55	28.1		3.3ft	99.7 fc	8.3 ft	8.3 ft
Distribution	110°	0-40°	1318.79	45.3		5.0ft	43.4 fc	12.6 ft	12.6 ft
Length	2ft	0-60°	2253.9	77.4		6.7ft	24.2 fc	16.9 ft	16.9 ft
		0-80°	2766.6	95		8.3ft	15.8 fc	21.0 ft	21.0 ft
		0-90°	2833.9	97.3		10.0ft	10.9 fc	25.2 ft	25.3 ft
					■ Vert. Spread: 103.2° ■ Horiz. Spread: 103.3°				

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-MRE-04-3248N-CAXXXX		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width		
Wattage	50W	0-20	820.34	13.9		1.7ft	792 fc	4.2 ft	3.9 ft
CCT	4000K	0-30	1707.92	28.9		3.3ft	210 fc	8.2 ft	7.5 ft
Distribution	110°	0-40	2730.81	46.2		5.0ft	91.5 fc	12.5 ft	11.4 ft
Length	4ft	0-60	4608.39	78		6.7ft	51 fc	16.7 ft	15.2 ft
		0-80	5631	95.2		8.3ft	33.2 fc	20.7 ft	18.9 ft
		0-90	5781.13	97.8		10.0ft	22.9 fc	24.9 ft	22.8 ft
					■ Vert. Spread: 102.6° ■ Horiz. Spread: 97.4°				

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-MRE-04-3248N-CAXXXX		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc	Beam Width		
Wattage	50W	0-20	812.66	13.8		1.7ft	787 fc	4.3 ft	3.8 ft
CCT	5000K	0-30	1689.43	28.7		3.3ft	209 fc	8.3 ft	7.4 ft
Distribution	110°	0-40	2698	45.8		5.0ft	90.9 fc	12.5 ft	11.2 ft
Length	4ft	0-60	4548.99	77.3		6.7ft	50.6 fc	16.8 ft	15.0 ft
		0-80	5563.91	94.5		8.3ft	33 fc	20.8 ft	18.5 ft
		0-90	5715.39	97.1		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.



#### Accessories

- Suspension kit
- Motion sensor

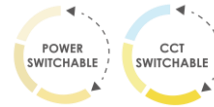


Motion Sensor



#### Multiple Options

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



#### Mountings Available

- Suspended
- Surface mount



#### Tests And Certifications



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