

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. Adjustable light output and CCT options provide flexibility to suit various environments. 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	Page 2
Dimensions	Page 3
Accessories	Page 3
Photometric Data	Page 5

[Install Instruction Link](#)

SPECIFICATIONS

Input Voltage	120-277/347V	
Power Factor	>0.9	
Total Harmonic Distortion	<20%	
Dimming	0-10V dimming	
CRI	80 CRI	
CCT	<div style="display: flex; gap: 10px;"> 30K 35K 40K 50K </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;"> <div style="text-align: center; margin-right: 20px;"> <p>Suspended</p> </div> <div style="text-align: center;"> <p>Surface Mount</p> </div> </div>	
Fixture Finish	<div style="display: flex; align-items: center;"> White </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 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 ERALUX Moonraker Wrap Around Fixture	-02 -1525 2 Ft 15/20/25W 1725/2300/2875 Lm -04 -3248 4 Ft 30/40/50W 3450/4600/5750 Lm	N 80 CRI	-CA 120-277/347V	[BLANK] 0-10V Dimming -MS Motion Sensor	[BLANK] Surface Mount -SUSP² Suspended	-303540 30/35/40K Switchable -354050 35/40/50K Switchable
Fixture Family	Length Power	CRI	Voltage	Control	Mounting	CCT

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-MS	BI-Level Microwave Motion Sensor
AE-IL-SB2-CA-REMOTE-CTRL	RC102 Remote Control

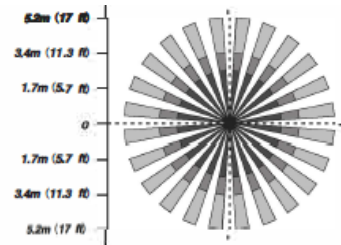
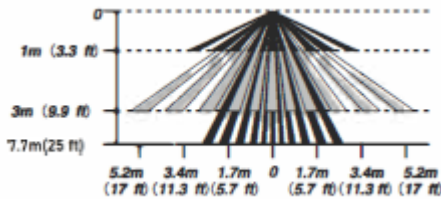
SPECIFICATIONS	
Input Voltage	12V-24V DC
Input Current	>50mA
DIM control output	0-10V, 25mA sinking current
Humidity	Max. 95% RH
Detection Range/angle	15 Meters/360° 50 Feet
Mounting Height	7.7 Meters Max 25 Feet Max
Operating Temperature	-40°F to 158°F -40°C to 70°C



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

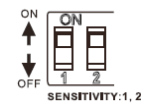
The response threshold ranges from 10 to 50 lux, adjustable with switches 5 and 6.

Stand-by Light level

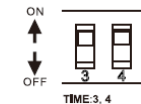
The standby light level ranges from 0 to 50%, adjustable with switches 7 and 8.

Stand-by Time

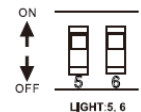
The standby time ranges from +∞ to 60 minutes, adjustable with switches 9 and 10.



- SENSITIVITY
- 1 2
 - ↓ ↓ 20%
 - ↑ ↑ 50%
 - ↑ ↑ 75%
 - ↑ ↑ 100%



- TIME
- 3 4
 - ↓ ↓ 10S
 - ↑ ↑ 1Min
 - ↑ ↑ 5Min
 - ↑ ↑ 15Min



- LIGHT
- 5 6
 - ↓ ↓ (Light sensor disable)
 - ↑ ↑ 10Lux
 - ↑ ↑ 30Lux
 - ↑ ↑ 50Lux



- STAND-BY LEVEL
- 7 8
 - ↓ ↓ 0%
 - ↑ ↑ 10%
 - ↑ ↑ 30%
 - ↑ ↑ 50%



- STAND-BY TIME
- 9 10
 - ↓ ↓ +∞
 - ↑ ↑ 1Min
 - ↑ ↑ 30Min
 - ↑ ↑ 60Min

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LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. 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
- Link kit for continuous runs
- Motion sensor

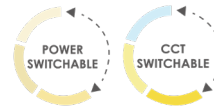


Motion Sensor



Multiple Options

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



Mountings Available

- Suspended
- Surface mount



Tests And Certifications



Moonraker			
DLC MODEL	PRODUCT ID	Primary Use	Classification
AE-SF-MRE-02-1525N-CA	S-6KPPG5	Direct Linear Ambient Luminaires	Standard
AE-SF-MRE-04-3248N-CA	S-P7Z9VS		Standard