

VADOR EVOLVE

Built to stand up to wet, cold and harsh conditions, VADOR EVOLVE is a vapor tight LED linear sealed to IP66, impact rated IK10, NEMA 4X and NSF certified, with switchable power and CCT at up to 130lm/W.



Parking Garage

Cold Storage

Canopy

Manufacturing



Key Specifications

Electrical

Input voltage	120-277/347V
Power factor	>0.9
THD	<20%
Dimming	0-10V
Power	15W to 90W switchable

Optical

Lumens	1950lm to 12060lm
Efficacy	130lm/W
CRI	80
CCT	Switchable 3500/4000/5000K
Distribution	120°

Physical

Length	2ft · 4ft · 8ft
Mounting	Suspended · surface mount
Ambient	-40°C to 40°C
Rating	IK10 · NEMA 4X · UL 94 5VA
Application	IP66 · wet location
Accessories	Suspension kit · EMBB · Sensor

Certifications

Listings	UL · DLC Premium · NSF · RoHS
Lumen maintenance	L70 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

L70 at 50000h

Rated for 70% 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-VDE

Catalog #:

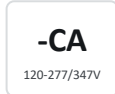
01 FIXTURE FAMILY



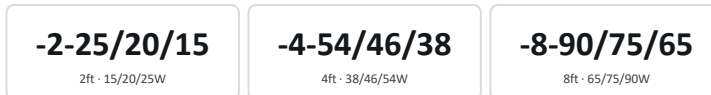
AE-SF-VDE

ERALUX Vador Evolve vapor tight linear light · surface mount

02 INPUT VOLTAGE



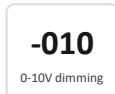
03 LENGTH | POWER



-2-25/20/15 · -4-54/46/38 · -8-90/75/65

2ft 3250/2600/1950lm · 4ft 7020/5980/4940lm · 8ft 12060/10275/9100lm

04 DIMMING



05 CRI | CCT



-8XX

80 CRI · 3500/4000/5000K switchable

06 CONTROLS



1. The emergency backup battery is not available with the 2ft fixture. Installation instructions: [Install Instruction link](#)

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. A single switch is not recommended for controlling multiple fixtures simultaneously.

Ordering Guide - Accessories

Assembled Catalog Number

[RESET](#)

AE-SF-JB

Catalog #:

01 FIXTURE FAMILY



AE-SF-JB

ERALUX Vador Evolve vapor tight linear light

Ordering Guide - Fixture (continued)

02

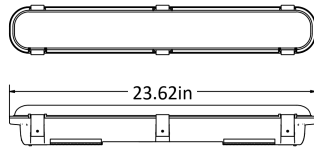
SUSPENSION KIT



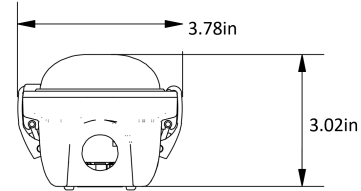
-CMK
Suspension kit: two 9.5ft aircraft cables & two V-hooks

Dimensions

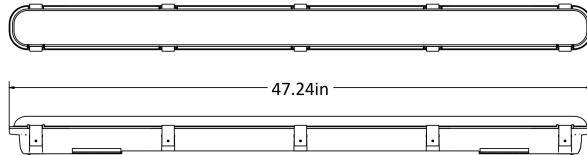
2ft · top / bottom view



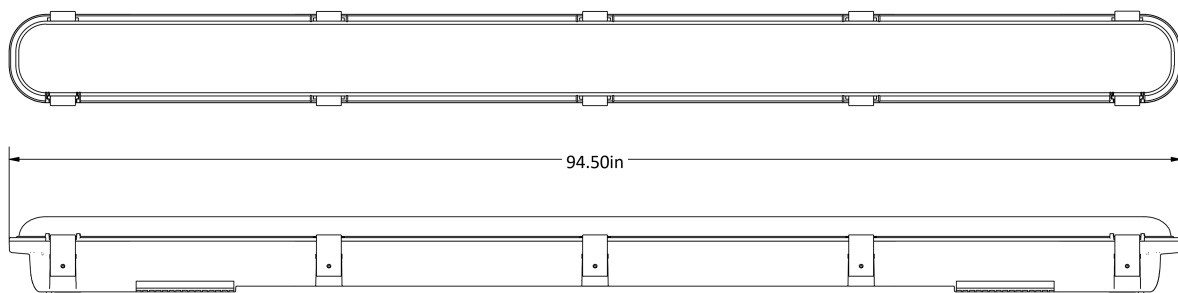
Side view



4ft · top / bottom view



8ft · top / bottom view



DLC Models & Accessories

DLC Models

DLC	PRODUCT ID	MODEL NUMBER	CATEGORY	CLASS
5.1	S-FV8DZH	AE-SF-VDE-CA-4-54/46/38-010-8XX(-MS,-EM,Blank,Both)	Indoor	Standard
5.1	S-WTYR2W	AE-SF-VDE-CA-4-54/46/38-010-8XX(-MS,EM,Blank,Both)	Indoor	Standard
5.1	S-AXHITE	AE-SF-VDE-CA-8-90/75/65-010-8XX(-MS,-EM,Blank,Both)	Indoor	Standard
5.1	S-KFRJMV	AE-SF-VDE-CA-8-90/75/65-010-8XX(-MS,EM,Blank,Both)	Indoor	Premium

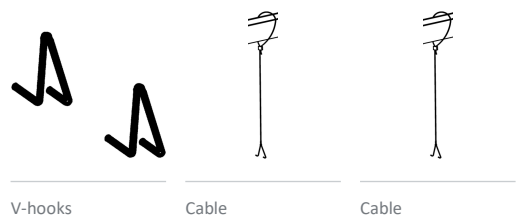
Design Lights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Accessories

For suspended mounting - ordered separately if needed.

DLC Models & Accessories (continued)

AE-SF-JB-CMK **Suspension kit: two 9.5ft aircraft cables & two V-hooks**



Controls

Emergency LED Driver



This LED emergency driver from Streamer is UL listed, and it is factory installed. It switches to emergency mode during power failures, providing up to 90min of lighting. With an integrated battery, charger, and converter, it delivers 8W constant power at 50-180V DC. Its slim shape is ideal for use in linear strip lighting fixtures.

Specifications	
Input voltage	100-347V
Power frequency	50/60Hz
Output voltage	50-180V DC
Output power	8W
Ambient temperature	0°C to 50°C · 30°F to 122°F
Installation	Integrated

Microwave Motion Sensor

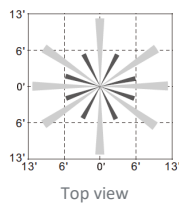
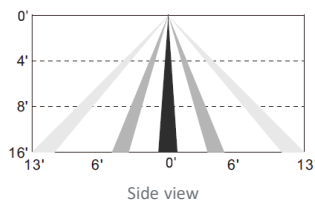
Ordered separately; installed in the field.

PART NUMBER	DESCRIPTION
AE-SF-JB-MOTIONSENSOR	Bi-level microwave motion sensor
AE-SF-JB-MOTIONSENSOR-RMT	RC102 remote control



Specifications	
Input voltage	120-277V
Input current	30mA
Standby power	36mW
IP rating	IP20
Detection range	9.8-26ft
Mounting height	16ft max
Operating temperature	-30°F to 131°F · -30°C to 55°C

Zone Coverage



Photometric Data

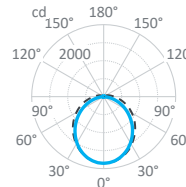
3000K × 0.94 3500K × 0.97 4000K × 1 5000K × 1.03

Lumen estimate adjustment factors: lumen output varies with CCT and CRI; multiply by the factor for the CCT ordered.

AE-SF-VDE-CA-4-54/46/38-010-8XX

4ft · 46W · 3500K

		ZONE	LUMENS	% FIXTURE
		0-20°	670.25	11.89
Wattage	44.2W	0-40°	2283.70	40.50
CCT	3500K	0-60°	3997.13	70.89
Distribution	120°	0-80°	5109.77	90.63
Length	4ft	0-90°	5361.41	95.09
		0-180°	5638.23	100.00

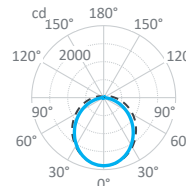


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	640	4.3ft	5.5ft
3.3ft	170	8.4ft	10.7ft
5.0ft	74.0	12.7ft	16.2ft
6.7ft	41.2	17.0ft	21.7ft
8.3ft	26.9	21.0ft	26.9ft
10.0ft	18.5	25.3ft	32.4ft
Vert. spread		103.5°	
Horiz. spread		116.6°	

AE-SF-VDE-CA-4-54/46/38-010-8XX

4ft · 46W · 4000K

		ZONE	LUMENS	% FIXTURE
		0-20°	685.44	11.83
Wattage	44.4W	0-40°	2338.26	40.35
CCT	4000K	0-60°	4098.48	70.72
Distribution	120°	0-80°	5244.55	90.49
Length	4ft	0-90°	5504.26	94.97
		0-180°	5795.50	100.00

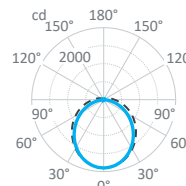


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	655	4.3ft	5.6ft
3.3ft	174	8.4ft	10.8ft
5.0ft	75.7	12.7ft	16.4ft
6.7ft	42.1	17.1ft	21.9ft
8.3ft	27.5	21.1ft	27.2ft
10.0ft	18.9	25.5ft	32.7ft
Vert. spread		103.7°	
Horiz. spread		117.1°	

AE-SF-VDE-CA-4-54/46/38-010-8XX

4ft · 46W · 5000K

		ZONE	LUMENS	% FIXTURE
		0-20°	687.59	11.81
Wattage	44.4W	0-40°	2347.80	40.34
CCT	5000K	0-60°	4117.46	70.74
Distribution	120°	0-80°	5269.35	90.53
Length	4ft	0-90°	5529.80	95.01
		0-180°	5820.36	100.00

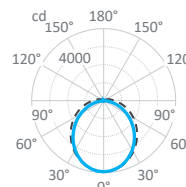


DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	657	4.4ft	5.6ft
3.3ft	174	8.4ft	10.8ft
5.0ft	75.9	12.8ft	16.3ft
6.7ft	42.3	17.2ft	21.9ft
8.3ft	27.6	21.2ft	27.1ft
10.0ft	19.0	25.6ft	32.6ft
Vert. spread		104.0°	
Horiz. spread		117.0°	

AE-SF-VDE-CA-8-90/75/65-010-8XX

8ft · 90W · 4000K

		ZONE	LUMENS	% FIXTURE
		0-20°	1428.48	11.85
Wattage	87W	0-40°	4870.29	40.41
CCT	4000K	0-60°	8531.52	70.79
Distribution	120°	0-80°	10914.28	90.56
Length	8ft	0-90°	11455.66	95.05
		0-180°	12052.06	100.00



DISTANCE	CENTER Fc	BEAM WIDTH	
1.7ft	1366	4.3ft	5.5ft
3.3ft	363	8.4ft	10.7ft
5.0ft	158	12.7ft	16.2ft
6.7ft	87.9	17.0ft	21.8ft
8.3ft	57.3	21.1ft	27.0ft
10.0ft	39.5	25.4ft	32.5ft
Vert. spread		103.5°	
Horiz. spread		116.8°	

Sensor & Dimming

Bluetooth Sensors ARIA PLUS · BLE

Fixture-integrated sensors

Product	Detection type	Detection range	Bluetooth range	Dimming protocol	Installation
 MWS105E + FA102 Low bay · indoor	Microwave	20–40ft	200ft	0-10V Dimming	Integrated into fixture

Please refer to spec sheet for exact specifications for all items above.

Dimmer List

Dimmer Compatibility — 0-10V

LUTRON	NTSTV-DV · NFTV · DVTV · DVSTV
LEVITON	IP710 · DS710
LEGRAND	RH4FBL3PW

Compatibility verified by Eralux at time of publication. For dimmers not listed, contact the factory.