

# VADOR EVOLVE

## LINEAR FIXTURES

Tri-proof Linear Fixture

The VADOR EVOLVE Series is an energy-efficient and economical LED linear fixture designed for harsh environment and industrial suited applications where dust and water resistance are necessary. This fixture is configured with adjustable power and CCT switches that can cover most of your project needs. Integrated lens and module plate that makes the installation process simply a breeze.



eralux®



IP 66

DATE

PROJECT  
NAME

TYPE

QTY

ORDERING  
CODE

AE-SF-VDE-CA

-

-

-010-8XX

-

### OPERATING & ELECTRICAL

INPUT VOLTAGE 120-347V

POWER FACTOR >0.9

DIMMING 0-10V

TOTAL HARMONIC  
DISTORTION (THD) <20%

### PERFORMANCE

LUMENS PER WATT ~130 LPW at 5000K, 80 CRI 4 FT  
~137 LPW at 5000K, 80 CRI 8 FT

POWER Adjustable 54/46/38W  
90/75/65

BEAM ANGLE 120°

### MECHANICAL & HOUSING

HOUSING Light gray polycarbonate housing  
and stainless-steel latches

LENS UV resistant, frosted poly-carbonate  
lens casing and high transmittance  
lens

POWER SUPPLY Factory wired electronic LED driver

LED BOARD Discrete LED

### APPLICATION CONSION

AMBIENT TEMPERATURE  
RANGE

-40°C to 45°C when fixture is  
suspended at least 18" from  
ceiling,  
-40°C to 40°C when fixture is  
surface mounted.

PROTECTION

UL 94: 5VA flame classification,  
IP66

### COMPATIBLE MOUNTING

MOUNTING

Surface Mount

### WARRANTY

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 – L70 at 100,000 hours



Rated for 70% 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

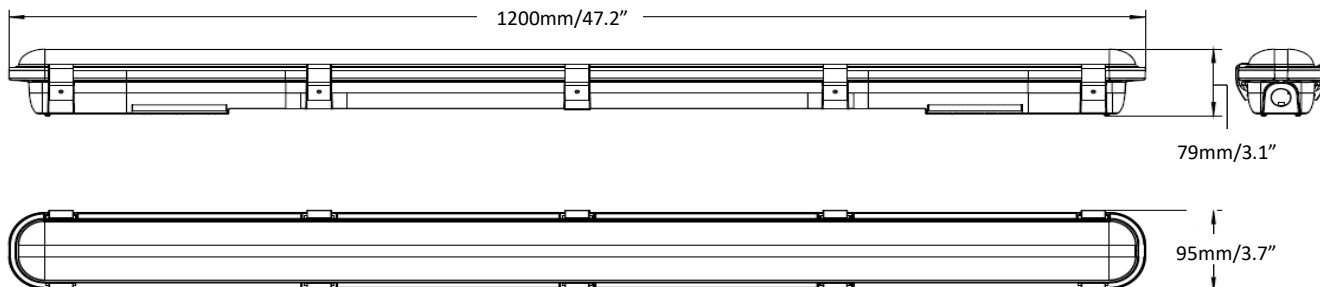
EXAMPLE: AE-SF-VDE-CA-4-54/46/38-010-8XX

FIXTURE FAMILY	INPUT VOLTAGE	SIZE	POWER	CONTROLS	CRI & CCT	SENSOR/EMBB
<b>AE-SF-VDE</b>	<b>CA</b>	<b>-</b>	<b>-54/46/38</b>	<b>-010</b>	<b>-8XX</b>	<b>-</b>
<b>AE-SF-VDE</b>  VADOR EVOLVE Series Tri-proof linear fixture	<b>CA</b>  120-347Vac input voltage	<b>4</b>  4 feet: 47.2" 1200mm	<b>54/46/38-</b>  54/46/38 watts: 7,020/5,980/4,940 lumens	<b>010-</b>  0-10V dimming	<b>8XX</b>  80 CRI & 3500K/4000K/5000K CCT Switchable	<b>[BLANK]</b>
		<b>8</b>  8 feet: 94.5" 2400mm	<b>90/75/65-</b>  90/75/65 watts: 12,060/10,275/9,100 lumens			<b>-MS</b> Microwave motion sensor with photocell
						<b>-EM</b> Emergency Battery Back-up (8W)
						<b>-ME</b> Microwave motion Sensor with photocell and EMBB

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.

## PRODUCT DIMENSIONS

### AE-SF-VDECA4



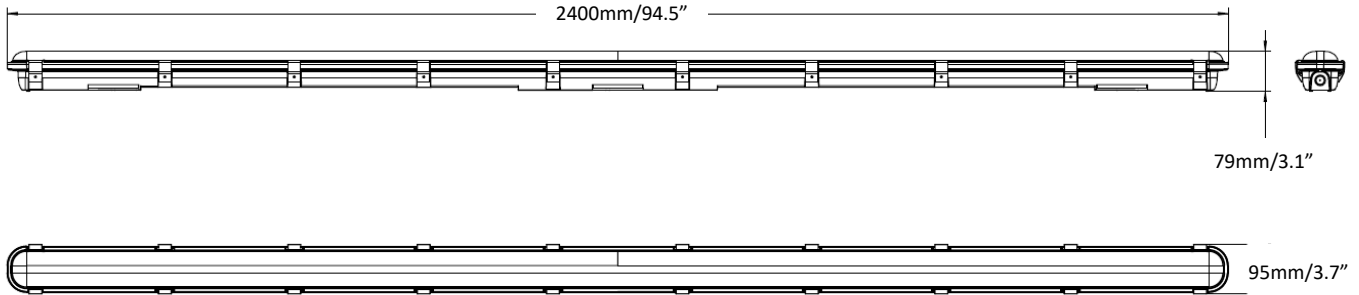
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## AE-SF-VDECA8



## LUMEN ESTIMATE

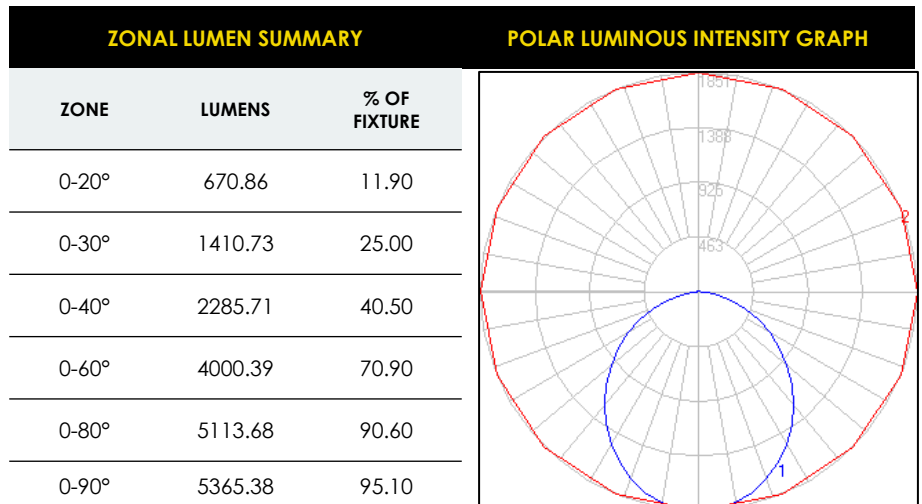
Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

### LUMEN ESTIMATE ADJUSTMENT FACTORS

CCT	3000K	3500K	4000K	5000K
NORMAL (80CRI)	0.94	0.97	1	1.03

## PHOTOMETRIC DATA

AE-SF-VDECA4-544638010-8XX 46W  
3500K  
-3500K CCT  
-4FT  
-46 WATTS



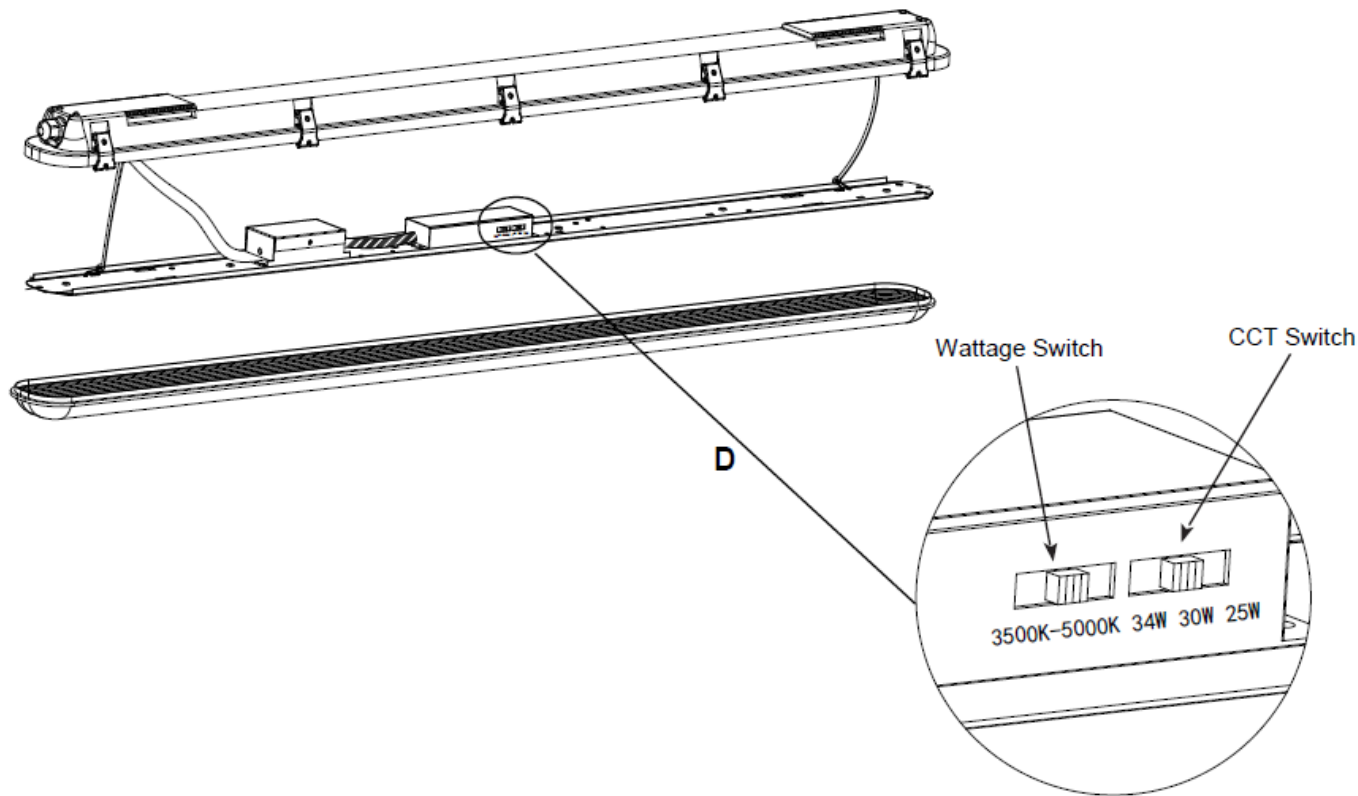
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## Field Adjustable Wattage & CCT



- Factory Settings: 5000K,25W
- DIP switches are located onto the LED Module holder plate temperatures and 3 powers respectively, which can perform the desired color temperature and lumen output combination.
- Select a wattage and color temperature by sliding switch left or right respectively to the desired value.

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AE-SF-VDECA4-544638010-8XX 46W  
4000K  
-5000 CCT  
-4FT  
-46 WATTS

ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY GRAPH
ZONE	LUMENS	% OF FIXTURE	
0-20°	688.21	11.80	
0-30°	1448.59	24.90	
0-40°	2349.84	40.30	
0-60°	4120.78	70.80	
0-80°	5273.34	90.50	
0-90°	5533.85	95	

## MOTION SENSOR INFORMATION

The microwave sensor combines occupancy sensing with photocell. It enables any lighting manufacturer to deliver sensor-equipped fixtures with minimal engineering effort. It operates on 12V DC which can be supplied by a LED driver. Different mode can be selected according to different applications through RM5 I IR remote controller. The integrated photocell can switch the lights on and off for dusk to dawn control, so that lighting remains on overnight even without motion detection. Under photocell mode, set a lux threshold, light will automatically turn on when ambient light level is lower than this value, otherwise light turn off.

## DIMMER COMPATIBILITY LIST

0-10V Dimmer
LUTRON NTSTV-DV
LUTRON NFTV
LUTRON DDTV
LUTRON DVSTV
LEVITON IP710
LEVITON DS710
LEGRAND RH4FBL3PW

## DLC MODELS

DLC MODEL	PRODUCT ID
AE-SF-VDE-CA-4-54/46/38-010-8XX(-MS,-EM,Blank,Both)	S-EOI0PT
AE-SF-VDE-CA-8-90/75/65-010-8XX(-MS,-EM,Blank,Both)	S-OXKMT8

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## OVERVIEW

Front & Back

IP 66



### UL94-5VA STANDARD HOUSING

with the 5VA standard (highest flame rating in UL94 standard, proof of self-extinguishes materials) PC housing, wires can be connected directly inside of the housing without internal junction box or silicone conduit.

### EASY ASSEMBLY AND MAINTAINANCE

Integrated lens and module plate make it easy to open fixtures for assembly.

### FIELD ADJUSTABLE POWER & CCT

Adjustable power (54/46/38 watts) and CCT (3500K/4000K/5000K) make it easy to fulfill any project requirement.

### TRI-PROOF STRUCTURE

IP66 rated suitable for wet locations. All polycarbonate ensures strength of fixture structure while providing elegant look and finish.

### SIMPLE DESIGN

Simple mounting bracket accessory included with fixture allows for surface mounting.

### CLOSING CLASPS

Stainless steel, easy-to-use housing clips ensure waterproofing and LED fixture function.

