



VADOR SERIES

LINEAR FIXTURES
Tri-proof linear fixture



The Vador 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 designed with the highest quality polycarbonate casing that features a unique continuous poured gasket that seals the channel ensuring seal integrity.

Project:

Qty:

Notes:

OPERATING & ELECTRICAL

Input voltage 120-347Vac
Power factor >0.90
Total harmonic distortion (THD) <20%
Dimming 0-10V external dimming down to 10%

PERFORMANCE

Lumens per Watt >130 LPW at 80 CRI 4000K
Power 40, 54, 80, 100W
Beam angle 120°

MECHANICAL & HOUSING

Housing High-strength V0 fire retardant polycarbonate housing for superior heat dissipation, strength, and rigidity. Stainless steel snap in fasteners.

Lens UV resistant, polycarbonate lens casing ensures high efficiency light output for a clean, evenly illuminated surface with minimal glare. High transmittance lens allowing for a smooth, diffused light pattern.

Power Supply

driver

Factory wired electronic LED

LED Board

Discrete LEDs

APPLICATION CONDITION

Ambient temperature range
Protection

-40 to 50°C

IP66, IK10

COMPATIBLE MOUNTING

Mounting

Surface, suspended

WARRANTY

System warranty

5 years

Lumen maintenance Rated for 80% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L80 at 50,000 hours)

ORDERING GUIDE

EXAMPLE: AE-SF-VDUV044035K-FR-D

AE-SF-VD	UV	0440	35K	-FR	-D
FIXTURE FAMILY	INPUT VOLTAGE	SIZE & POWER	CRI & CCT	LENS	CONTROLS
AE-SF-VD Vador Series Tri proof linear fixture	UV 120-277Vac input voltage range	0440 4FT – 40 watts: 5200 lumens	35K 80 CRI & 3500K CCT	-FR Frosted polycarbonate lens	-D 0-10V external dimming (down to 10%)
	HV 120-347Vac input voltage range	0454 4FT – 54 watts: 7020 lumens	40K 80 CRI & 4000K CCT		-EMBB 8-watt emergency battery backup factory installed *only for UV model
			50K 80 CRI & 5000K CCT		

IK 10

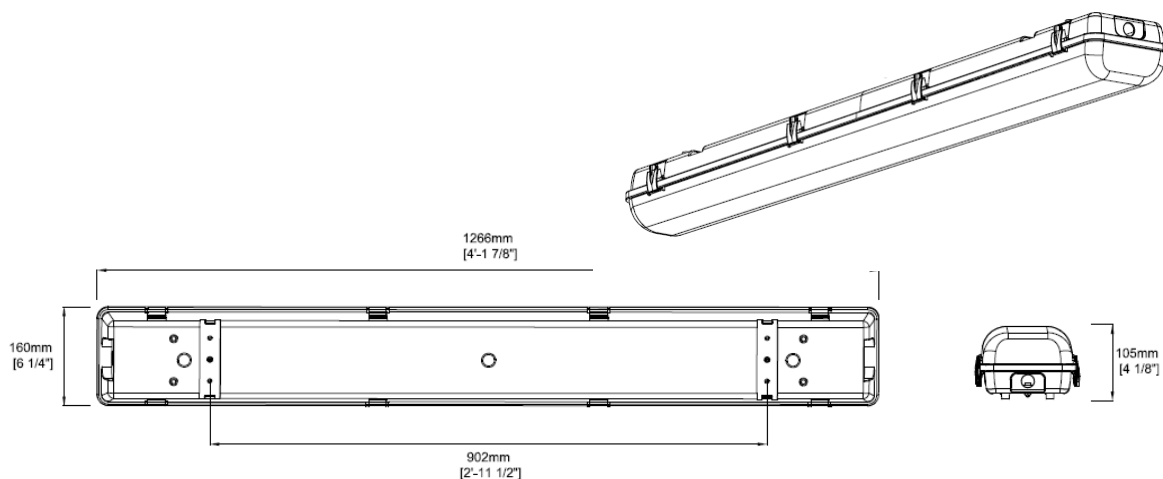
IP65



PRODUCT DIMENSIONS

AE-SF-VD04

Weight: 13.2Kg



ACCESSORIES

Ordered separately, field installed

WIRE ROPE SUSPENSION KIT

AE-WL-VL-WRS-5T

5FT wire suspension cable kit for suspended mounting

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:

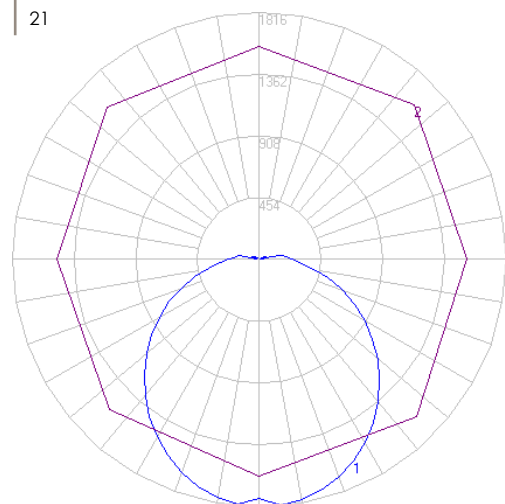
Lumen estimate adjustment factors				
CCT	2700K	3000K	3500K	4000K
NORMAL (80CRI)	0.91	0.94	0.97	1

PHOTOMETRIC DATA

AE-SF-VDUV045440K-FR-D

Coefficients of utilization											
Ceiling	80%				70%		50%		30%		0%
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0
RCR	Zonal Cavity Method – Effective floor reflectance = 20%										
Room Cavity Ratio	118	118	118	118	114	114	108	108	102	102	94
	106	100	95	91	97	89	92	85	87	81	75
	96	87	79	73	84	72	80	69	75	66	61
	87	76	67	60	73	59	70	57	66	55	51
	79	67	57	50	65	50	62	48	59	47	43
	73	59	50	43	58	43	55	42	52	41	37
	67	53	44	38	52	37	50	36	47	35	32
	62	48	39	33	47	33	45	32	43	31	29
	58	44	35	29	43	29	41	29	39	28	25
	54	40	32	26	40	26	38	26	36	25	23
10	51	37	29	24	36	24	35	23	34	23	21

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	167.36	90-100	185.41
10-20	478.67	100-110	97.58
20-30	723.11	110-120	32.94
30-40	872.64	120-130	26.81
40-50	916.69	130-140	9.63
50-60	858.12	140-150	1.11
60-70	712	150-160	0
70-80	502.51	160-170	0
80-90	294.56	170-180	0





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SIMPLE DESIGN

Simple mounting bracket accessory included with fixture allows for suspended mounting or surface mounting



CLOSING CLASPS

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



TRI-PROOF STRUCTURE

IK10 impact resistant, IP65 rated suitable for wet locations.

All polycarbonate design ensures strength of fixture structure while providing elegant look and finish

STRONG COMPONENTS

Metal fixed terminals for secure installation and fixture rigidity



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