

AL TSA Aries Ex Linear



EXPLOSION PROOF SERIES



PRODUCT OVERVIEW



The AL TSA Aries Explosion Proof Linear is a ATEX IECEx Zone 1 & 21 Explosion proof LED linear fixture that replaces the traditional explosion proof fluorescent lamp, The Aries series offers High lumens with low power consumption which results to high energy savings. The Aries linear fixture is constructed with a high strength aluminum alloy enclosure which is resistant to shock and vibration with a Transparent polycarbonate cover to reduce direct visual contact with the light source.

Quality comes standard...



Hours
LIFESPAN



IP66
OUTDOOR



Low
MAINTENANCE



Year
WARRANTY



Product
CERTIFICATION

APPLICATIONS

Marine Environments

Mines

Waste water Refines

Oil & Gas Industries

Petrochemical Facilities

Tunnels

FEATURES

Anti Vibration & Shock Resistant

Optional Mounting-Kits

Surge Protection Circuit Design

IP66 Ingress Protection

L80 B10 Rating

Energy Efficient

5-Year Warranty

Low Glare Rate

CONSTRUCTION

Aluminum Alloy

Polycarbonate Lens

Grey Housing Finish

Anti Corrosion

Aries Ex Linear

TECHNICAL DATA

SPECIFICATIONS

Rated Voltage (V):	AC100-277V	Luminaire Efficacy(lm/W):	120(lm/W)
Frequency (Hz):	50/60Hz		130(lm/W)
Power Consumption (W):	20-30W 40-50W 60-70W 80-100W		140(lm/W)
Correlated color Temp (CCT):	3000K - 6500K	Unified Glare Index(UGR):	UGR22 (Standard)
Colour Rendering (CRI):	70		UGR19 (Optional)
Total Harmonic Distortions (THD):	<10%	L&B Rating:	L80 B10
Power Factor (PF):	>0.95	Impact Protection (IK):	IK10
Electrical Class:	Class II	Ingress Protection(IP):	IP66
Operating Temp:	-40 ~ +50°C	Beam Angle:	120°
Surge Protection:	4KV/6KV	Lifespan:	50 000hrs
Driver Type:	Standard	Mounting Options:	Surface
LED Type:	SMD		Pole Mount
Entry Size:	3/4"-14 NPT or M25 X1.5/M26 X1.5		Suspended
Cable:	3 Core Rubber cable with 0.5m cable		

MATERIAL STRUCTURE

Polycarbonate(PC) is used which is superior to even Poly methyl methacrylate (PMMA) and can carry a life time guarantee itself

Housing Body:	Aluminum Alloy	Housing Colour:	White
Anti Corrosion:	Optional	Lens:	Polycarbonate(PC)
Anti Vibration Brackets:	Optional		

OPTIONAL FEATURES

Dimmable Options:	DALI-Dimmable	0-10V	Triac Dimmable
Sensor Options:	Microwave Motion	Bi-Level	
Emergency Options:	20% Back-up Power	External	
Certifications	ATEX: II 2G Ex eb mb IIC T5 Gb;	IECEX: Ex eb mb IIC T5 Gb;	
	ATEX: II 2D Ex tb IIIC T75 C° Db;	IECEX: Ex tb IIIC T75 C° Db;	

ANTI Corrosion Table

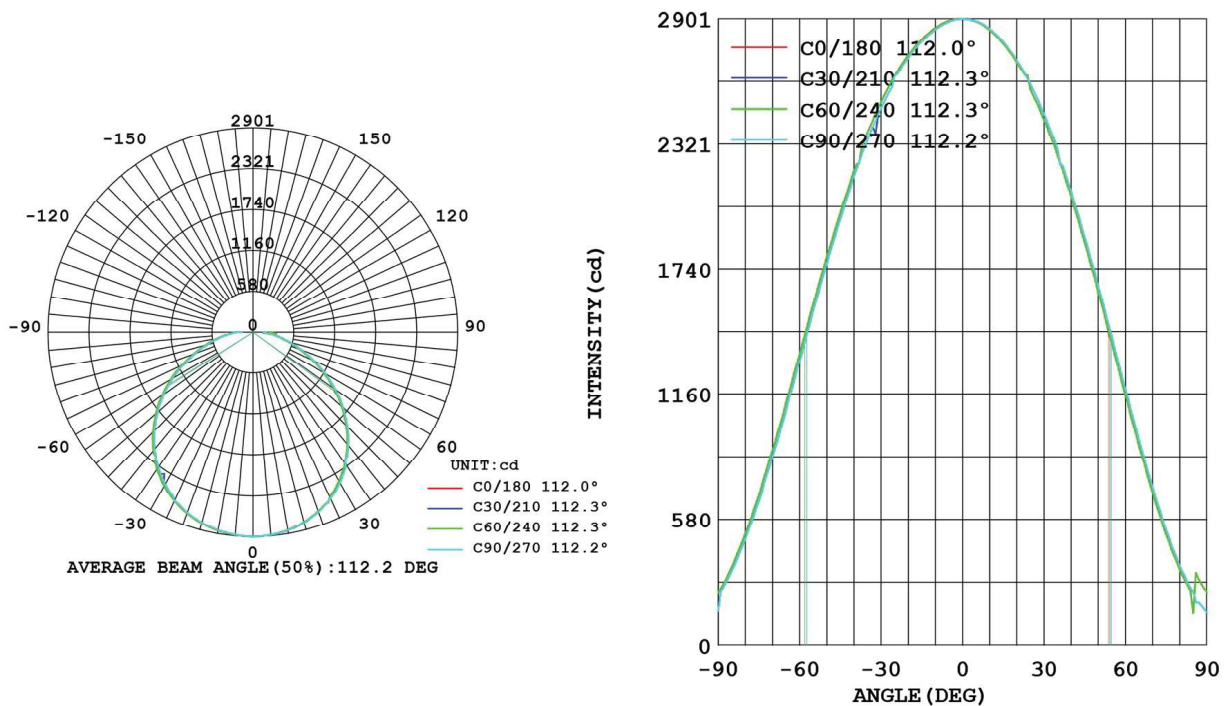
CATEGORY	CORROSIVITY		
C1	Very Low	Heated Buildings	Dry or cold with very low pollution
C2	Low	Low levels of pollution	Temperate low pollution
C3	Medium	Urban & Industrial Moderate pollution	High/Moderate pollution
C4	High	Coastal & Industrial Moderate pollution	High/Moderate pollution
C5-I	Very High	High humidity & Industrial	Aggressive Atmosphere
C5-M	Very High	Coastal & Offshore areas	Marine areas With high salinity

Aries Ex Linear

ORDERING INFORMATION

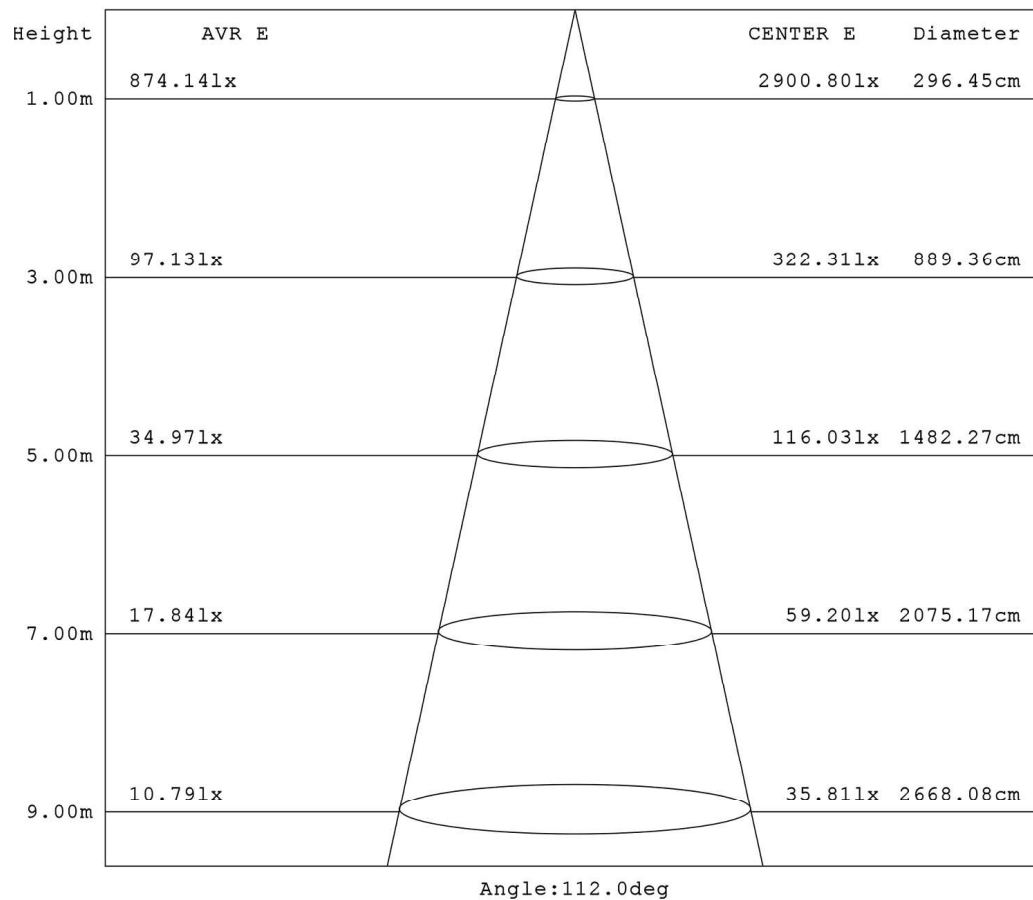
XXX	XXX	XXXX	XXX	XXX	XXX	XXX	XXX	X
Product Family	Product ID	Size(LxWxH) & Weight(kg)	Power	Efficacy	Driver Type	Control	CRI	Glare Rate
Linear (LIN)	Aries Ex Linear (AEL)	392x125x168.7(311) 3kg	20W (0020) 30W (0030)	120lm/W (120) 130lm/W (130) 140lm/W (140)	Standard (STD)	Standard (STD) Emergency (EMG) Microwave (MIC) Dimmable (DIM) Dali (DAL) Bi-Level (BIL)	70 (7)	19 (19) 22 (22)
		629x125x168.7(611) 5.1kg	20W (0020) 30W (0030) 40W (0040) 50W (0050)					
		929x125x168.7(911) 7kg	40W (0040) 50W (0050) 60W (0060) 70W (0070)					
		1229x125x168.7(1211) 8.5kg	40W (0040) 50W (0050) 60W (0060) 70W (0070) 80W (0080) 100W (0100)					

PHOTOMETRICS



Aries Ex Linear

LIGHTING DISTRIBUTION



Aries Ex Linear

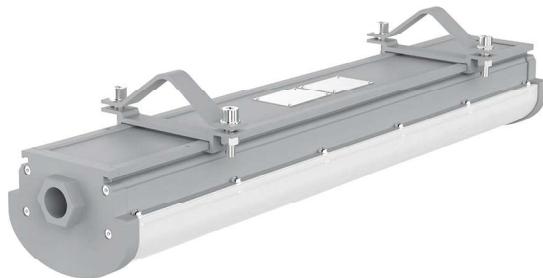
MOUNTING OPTIONS



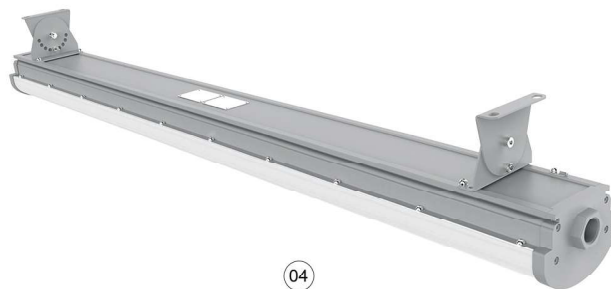
01



02



03



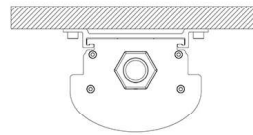
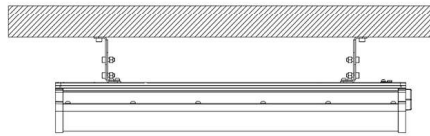
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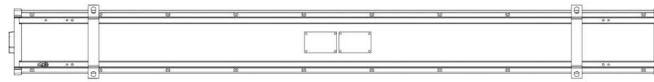
05

Aries Ex Linear

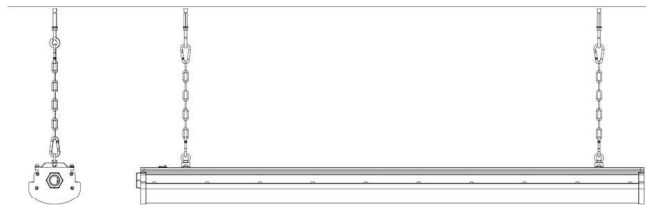
INSTALLATION



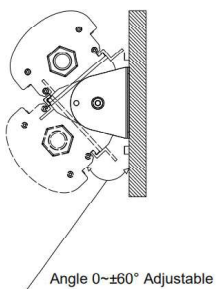
A. Ceiling mounting



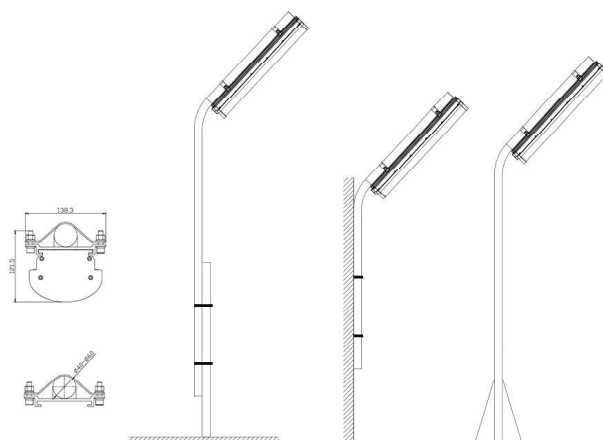
B. Pendant mounting



C. Pendant chain mounting



D. Wall mounting



E. Pole Mounting