

EXPLO Forest Frog Series



EXPLOSION PROOF SERIES



PRODUCT OVERVIEW

The **AL TSA Forest Frog** features high efficiency chipsets with a lifespan of up to 70 000hrs and can be widely used in oil & gas exploration, drilling, petrochemical plants, power plants, and pharmaceutical plants as fixed lighting. With a THD of less than 10%, build in surge protection, robust aluminium housing and tempered glass lens, the Altsa Forest Frog is shock and vibration resistant.

The **AL TSA Forest Frog** is suitable for explosive gas environments: Group II. Can be used in Zone 1, Zone 1, Zone 2, Zone 21 and Zone 22 hazardous areas

Quality comes standard...



Hours
LIFESPAN



IP66
OUTDOOR



Low
MAINTENANCE



Year
WARRANTY



Product
CERTIFICATION

APPLICATIONS	CONSTRUCTION DETAILS
Indoors and Outdoors	Robust Aluminium
Industrial Areas	Anti-Corrosion, abrasion proof
Petrochemical Plants	Toughened Safety Glass Lens
Oil Refineries	Mounting Brackets and 304 S/Steel
Offshore Oil Rigs	
FEATURES	
II2 G Ex db op is IIC T* Gb	EN 60079-31:2014
II2 D Ex tb op is IIIC T* Db	Over Voltage/Over Current Protection
EN 60079-0:2012	Power Factor >0.98
EN 60079-1:2014	Impact Rating IK08
EN 60079-7:2015	Chemical Resistant (Sulphur)
EN 60079-28:2015	IP66

Forest Frog Series

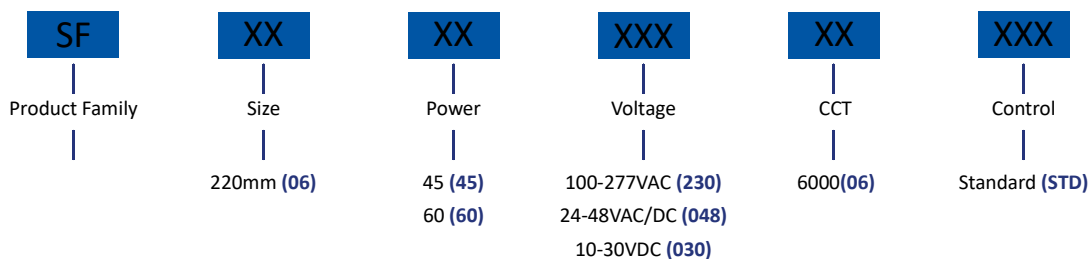
TECHNICAL DATA

Operating Voltage	100-277VAC / 141-392VDC	
Power (Normal)	45W	60W
Surge Protection	5kV	
CRI:	70	
Colour Temp.	6000	
Warranty	5-Year	
Luminaire Efficacy	136.5lm/W	
Lifespan	70 000hrs	
Frequency:	50/60Hz	
Power Factor:	>0.98	
THD:	10%	
Insulation Class:	Class 1	

MECHANICAL DATA

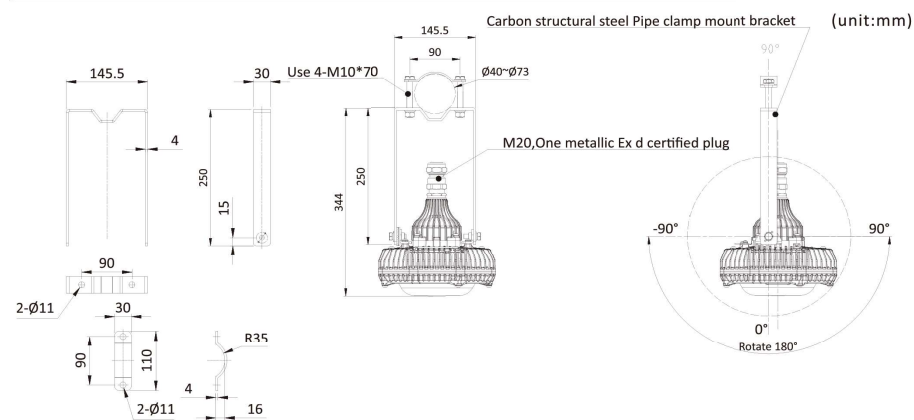
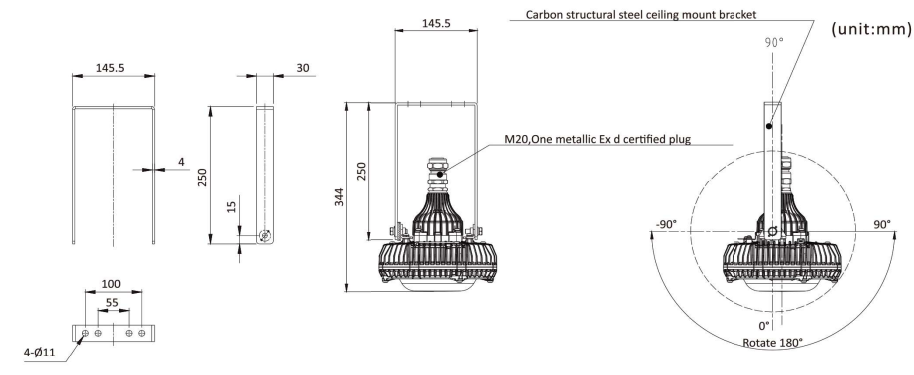
Weight:	3.3Kg
Size:	cp220*191mm
Ambient Temperature:	-40°C ~ +55°C
Connecting Terminals:	3 * 1.0-4mm ² (L +N+P E)
Cable outer diameter:	Inner Sheath:cp6.5-cp13.9(mm); Outer Sheath:cp12.5-cp20.9(mm)
Cable Entries:	1XM20*1.5
Earthing Protection:	M4 (Internal & external earth bolts)
IP Rating	IP66
Enclosure Material	Die-casting Aluminium alloy
Enclosure Colour	Grey RAL7040
Coating	Epoxy powder coating
Exposed Fastener	Stainless steel

ORDERING INFORMATION

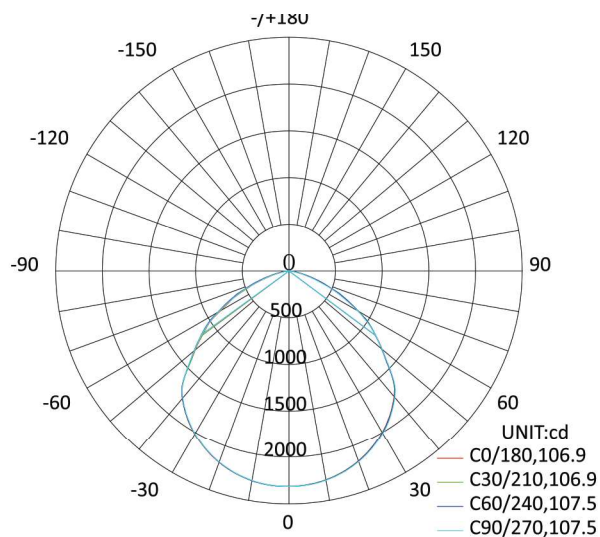


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INSTALLATION DATA



PHOTOMETRIC DATA



H6V6(120°)/High efficacy LED Source

