

AL TSA Swordfish



EXPLOSION PROOF SERIES



PRODUCT OVERVIEW



The **AL TSA Swordfish** 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%, built in surge protection, robust aluminium housing and tempered glass lens, The **Altsa Swordfish** is a linear light fixture designed with several mounting techniques to fit all sorts of installations.

The **AL TSA Swordfish** is suitable for Zone 1, Zone 2, Zone 21, Zone 22 hazardous areas

Quality comes standard...



Hours
LIFESPAN



IP66
Outdoor



Low
MAINTENANCE



Year
WARRANTY



Product
CERTIFICATION

APPLICATIONS

Indoors and Outdoors
Industrial Areas
Petrochemical Plants
Oil Refineries
Offshore Oil Rigs

CONSTRUCTION DETAILS

Copper-free Aluminium
Anti-Corrosion, abrasion proof
Tempered glass,Stand 7J impact
Mounting Brackets and 304 S/Steel
Epoxy powder coating

FEATURES

Ex d eb op is IIB T6 Gb
Ex tb op is IIIC T80°C Db
EN 60079-0:2012/A11:2013
EN 60079-7
EN 60079-1
EN 60079-31

Emergency Back-up Available
Over Voltage/Over Current Protection
Power Factor >0.98
Impact Rating IK08
Chemical Resistant (Sulphur)
IP66

Swordfish

TECHNICAL DATA SPECIFICATIONS

Rated Voltage (V):	100-277VAC/ 24-48 VAC	Rated Voltage Emergency (V):	220-240 VAC
	10-30 VDC/24-48 VDC/141-392 VDC		311-339 VDC
Frequency (Hz):	50/60Hz	Luminaire Efficacy(lm/W):	136.5(lm/W)
Power Consumption (W):	18, 36, 48, 56, 72W	Unified Glare Index(UGR):	UGR22 (Standard)
Correlated color Temp (CCT):	2000K - 6000K		UGR19 (Optional)
Colour Rendering (CRI):	70/82	L&B Rating:	L80 B10
Total Harmonic Distortions (THD):	<10%	Impact Protection (IK):	IK08
Power Factor (PF):	>0.98	Ingress Protection(IP):	IP66
Electrical Class:	Class II / Zone 1 & 21 and 2 & 22	Beam Angle:	120°
Operating Temp:	-20 ~ +50°C	Lifespan:	50 000hrs(Standard)
Surge Protection:	5 KV		70 000hrs(Optional)
Driver Type:	Standard	Vibration Resistant Brackets:	Optional
LED Brand:	Over voltage /short circuit protection		
Connecting Terminals:	3*1.0-4mm ² (L+N+PE)	Mounting Options:	Standchion,Ceiling
Entry & Output Cable:	2XNPT 3/4" (M20*1.5, M25*1.5 are optional)		Pendant,Pipe,Clamp
Earthing Protection:	M4 (Internal & external earth bolts)	Cable Outer Diameter:	φ7-φ14(mm)
Size (LxWxH)	600*136*124mm (18W/36W/48W)		(36W/48W/56W/72W)
Weight: (Standard)	6.9 kg		
Weight: (Emergency)	7.3 kg		

MATERIAL STRUCTURE

Enclosure Material:	Copper-free Aluminium	Housing Colour:	Orange/Grey
Exposed Fastener:	Stainless steel	Coating:	Epoxy powder coating
Protective Cover:	Tempered glass,Stand 7J impact	Anti Corrosion:	Optional

EMERGENCY FEATURES

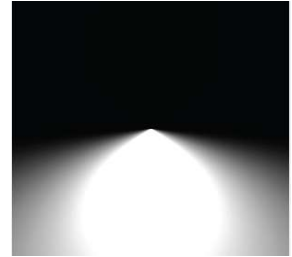
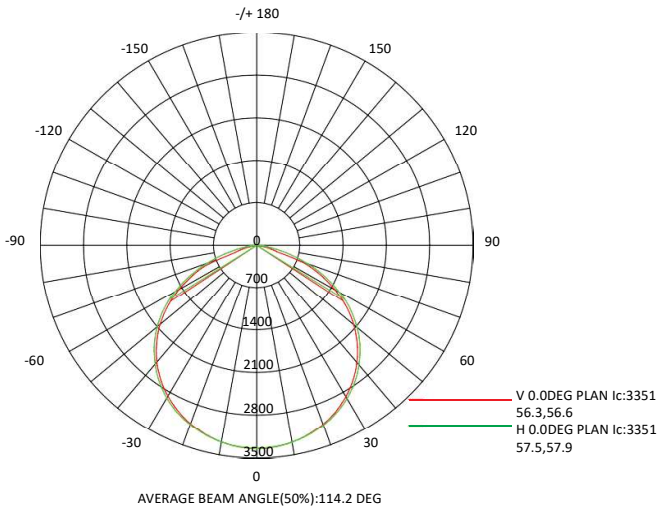
	Type B	Type C
Battery Capacity	2.2 Ah	2.8 Ah
Battery Type:	Ni-Cd	Ni-Cd
Battery Lifespan:	500 Cycles	500 Cycles
Back Up:	180 Min	180 Min
Charging Time:	24 Hours	24 Hours

ORDERING INFORMATION

XXX	XXX	XXXX	XXX	XXX	XXX	XXX	XXX	X
Product Family	Product ID	Size	Power	Efficacy	Driver Type	Control	CRI	Glare Rate
Explosion Proof (Ex)	Sword Fish (SF)	600*136*124mm(606)	18W (0018)	100lm/W (100)	Standard	Standard (STD)	70 (7)	19 (19)
			36W (0036)	110lm/W (110)		Emergency (EMG)	82 (8)	22 (22)
			48W (0048)	130lm/W (130)				
		900*136*124mm(606)	36W (0036)					
			48W (0048)					
			56W (0056)					
			72W (0072)					

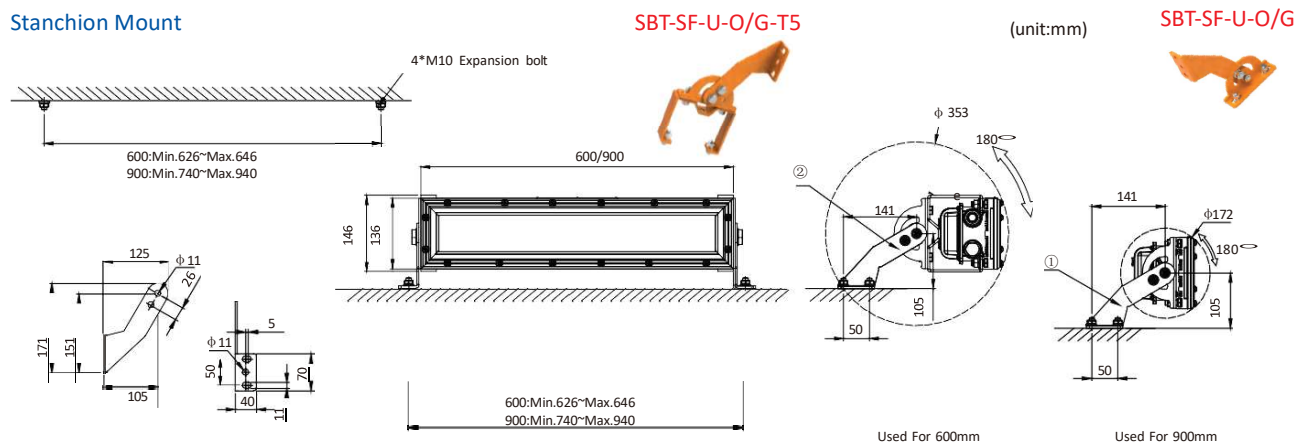
Swordfish

PHOTOMETRIC DATA

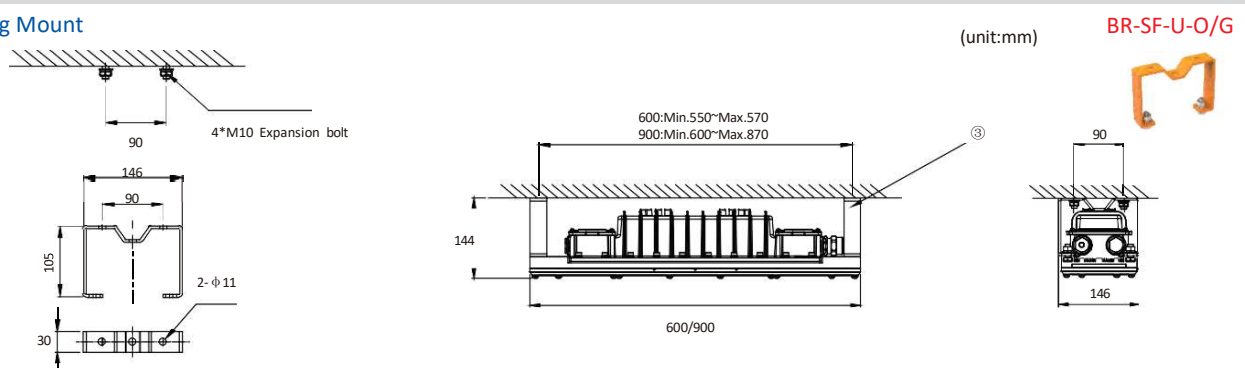


INSTALLATION DATA

Stanchion Mount



Ceiling Mount

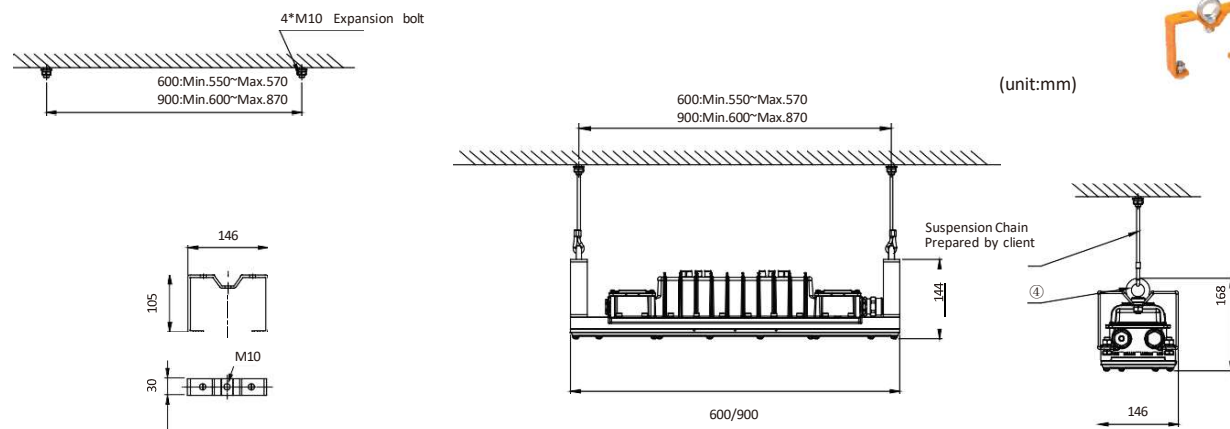


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INSTALLATION DATA

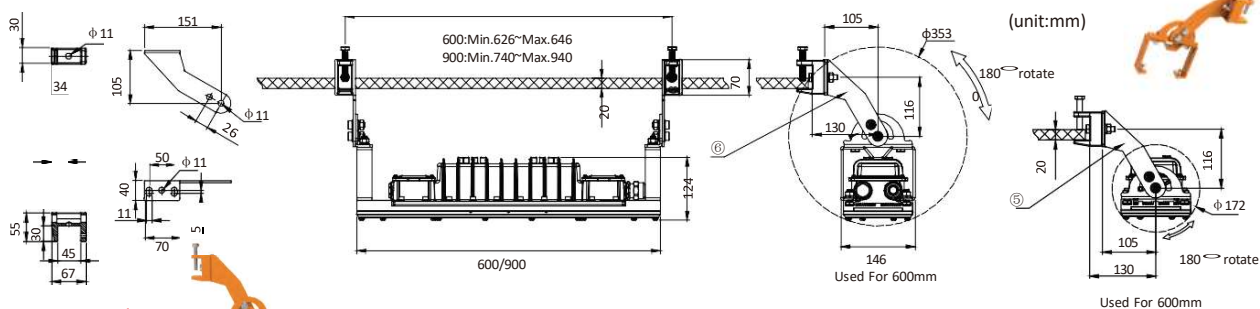
Pendant Mount

LO-SF-U-O/G



Clamp Mount

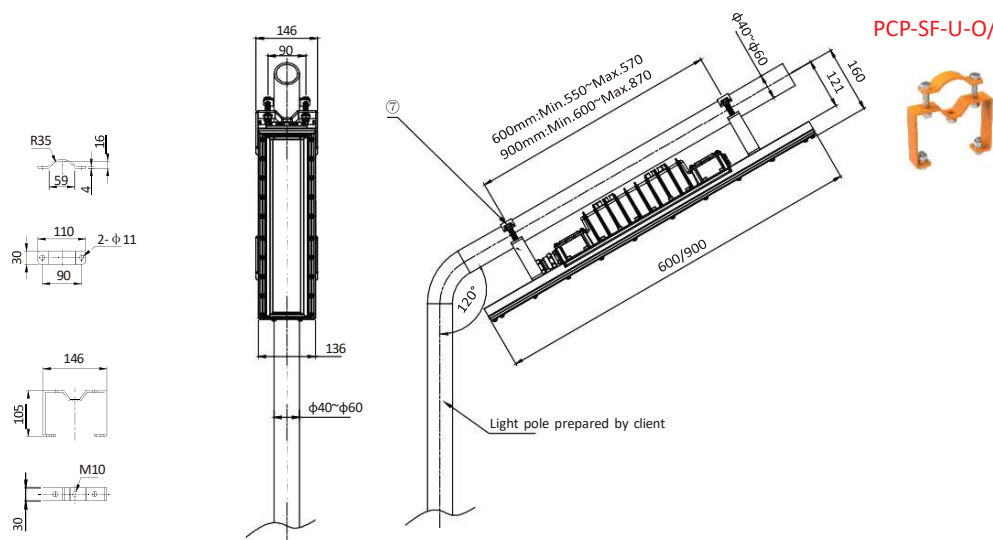
CM-SF-U-O/G-T5



CM-SF-U-O/G

Pole/Pipe Mount

PCP-SF-U-O/G



Swordfish

Optional Mounting Options

No.	Installation accessories	Part No.	Picture	Material	Weight(Kg)	QTY	Remark
1	Bracket	BR-SF-U-O/G		Q235	0.8	2	Ceiling Mount
2	Loop	LO-SF-U-O/G		Q235	1.2	2	Pendant Mount
3	Pipe Clamp	PCP-SF-U-O/G		Q235	1.8	2	Pipe clamp
4	Stanchion bracket	SBT-SF-U-O/G		Q235	2.6	2	Stanchion mount Wall mount (900mm)
5	Clamp mount	CM-SF-U-O/G		Q235	3	2	Clamp mount (900mm)
6	Stanchion bracket	SBT-SF-U-O/G-T5		Q235	3.4	2	Stanchion mount Wall mount (600mm)
7	Clamp mount	CM-SF-U-O/G-T5		Q235	3.8	2	Clamp mount (600mm)

ANTI CORROSION (Optional)

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	Agressive Atmosphere
C5-M	Very High	Coastal & Offshore areas	Marine areas With high salinity

Chromizing treatment + Akzo Nobel anti-corrosion Coating+stainless steel bracket