

PORTABLE Forest Frog



EXPLOSION PROOF SERIES



PRODUCT OVERVIEW



The **AL TSA Portable Forest Frog** features high efficiency chipsets with a lifespan of >50 000hrs and can be widely used in the mining industries (shaft bottoms), Oil & gas exploration, drilling, petrochemical plants, power plants, and pharmaceutical plants as a portable lighting solution. The Forest Frog series features optional power consumption selections from 10W-15W with a high efficiency of 136lm/W. the long lasting battery lasts up to 6-10 hours after a full charge. engineered with robust aluminium housing and tempered glass lens, The **AL TSA Portable Forest Frog Series** is suitable for Zone 1, Zone 2, Zone 21, Zone 22 hazardous areas.

Quality comes standard...

II2 G Ex db IIC T6...T4 Gb / II2 D Ex tb IIIC T80°C..T130°C. Db



Hours
LIFESPAN



IP66
Outdoor



Low
MAINTENANCE



3
Year
WARRANTY



Product
CERTIFICATION

APPLICATIONS

Shaft Bottom Lighting
Industrial Areas
Petrochemical Plants
Oil Refineries
Mining Industry

CONSTRUCTION DETAILS

Robust Aluminium Housing
Stainless Steel
Tempered glass, Stand 7J impact
Lithium Battery
Epoxy powder coating

FEATURES

>50 000 Hours Lifespan
Adjustable Power Consumption
10W-15W Options
Vibrations And Shock Resistant
Robust Aluminium
6-10 Hours Battery Life

M4 (Internal & external earth bolts)
Over Voltage / Short Circuit Protection
IP66 Ingress Protection
Impact Rating IK08
3 Hours Charge Time
Magnetic / Bracket Stand

Portable Forest Frog

TECHNICAL DATA

Rated Voltage (V):	100-277VAC	Luminaire Efficacy(lm/W):	136.5 (lm/W)
	141-392 VDC	Unified Glare Index(UGR):	>UGR22
Frequency (Hz):	50/60Hz		
Power Consumption (W):	10W 15W	Impact Protection (IK):	IK08
Correlated color Temp (CCT):	3000K - 6000K	Ingress Protection(IP):	IP66
Classification:	Group II Zone 1 & 21 and 2 & 22		
Electrical Class:	1	Beam Angle:	120°
Power Factor (PF):	>0.98	Lifespan:	50 000hrs
Colour Rendering (CRI):	70		
Operating Temp:	-20°C + 55°C	LED Brand:	SMD LED Chipset
Driver:	Over Voltage Protection	Earthing Protection:	M4 (Internal & external earth bolts)
	Short Circuit Protection		

BATTERY

Battery Capacity	4.4 Ah	Battery Back Up:	10W - 10 Hours
Battery Type:	Lithium Battery		15W - 6 Hours
Battery Lifespan:	500 Cycles		
Charging Time:	3 Hours		

MATERIAL STRUCTURE

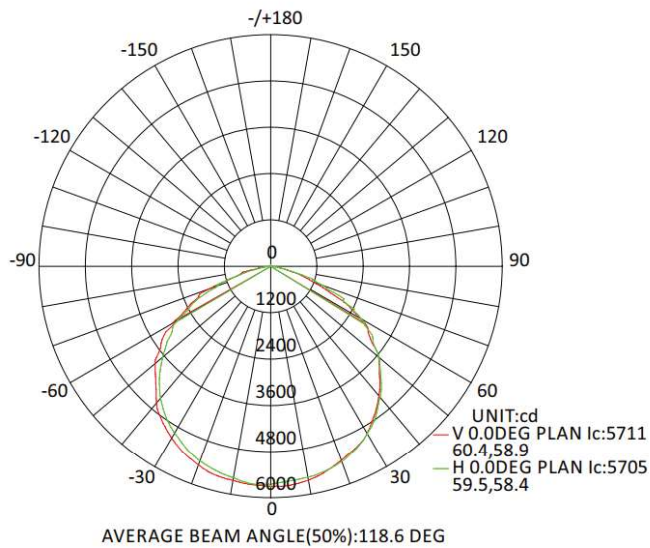
Enclosure Material:	Die-Cast Aluminium Alloy	Housing Colour:	Orange
Exposed Fastener:	Stainless steel	Coating:	Epoxy powder coating
Protective Cover:	Tempered glass,Stand 7J impact	Anti Corrosion:	Optional

ORDERING INFORMATION

XXX	XXX	XXXX	XXX	XXX	XXX	XXX	XXX	XXX
Product Family	Product ID	Size	Power	Efficacy	CCT	Control	CRI	Voltage
Portable Ex Floodlight (PEF)	Forest Frog Magnetic Stand (FFM)	209*198*293mm (212) 6.5kg	10W (10) 15W (15)	136.5lm/W (136)	3000±300K (03)WW 4000±300K (04)NW 5000±300K (05)NW 5700±300K (06)CW	Standard (STD)	70 (7)	100-277VAC 141-392 VDC
	Forest Frog Bracket Stand (FFB)	209*236*303mm (223) 5.2kg						

Portable Forest Frog

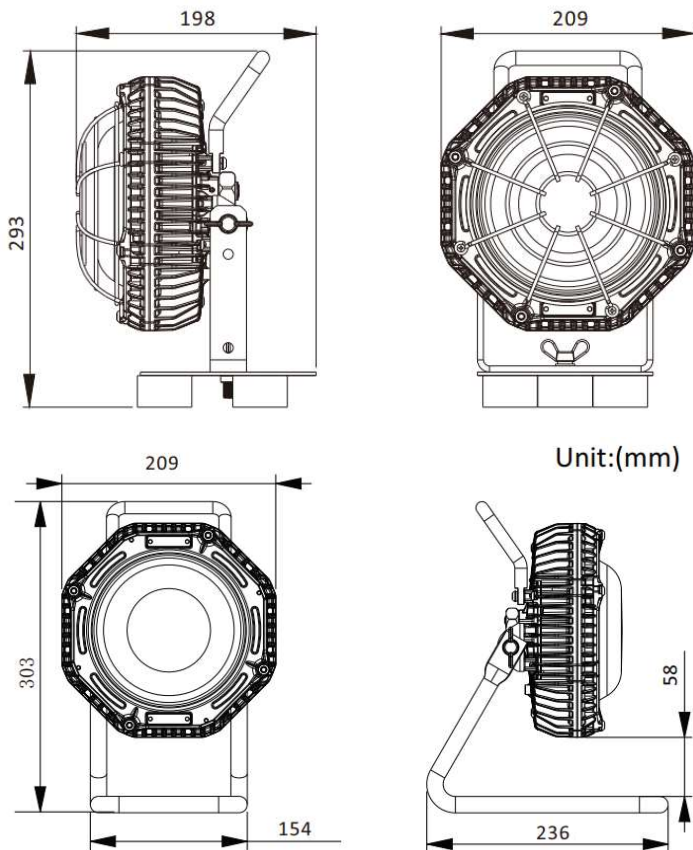
PHOTOMETRIC DATA



H6V6(120°)/High efficacy LED Source



DIMENSIONS



MAGNETIC STAND

BRACKET STAND

Portable Forest Frog

DIAGRAMS

