



LED Explosion Proof Mobile Light

**ATEX & IECEx Certified LED Mobile light in Hazardous Area.
Saturn Series**

 II 2G Ex d e IIC T5 Gb IP54





Features And Benefits:

- High efficacy LED Source with long lifespan >50,000 hours
- 5 years warranty for led light, 18 months warranty for the battery
- C/W a dimmer, can adjust the power from 5W to 60W
- C/W battery level indicator function.
- Robust aluminium housing and strong tempered glass
- Vibration and shock resistant
- Low maintenance

Applications:



Oil & Gas Exploration



Drilling



Oil Refinery



Petrochemical Plant



Power Plant



Pharmaceutical Plant



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LED Mobile light

Standard & Certificate:

Ex Mark:	Gas: ⚠ II 2G Ex d e IIC T5 Gb IP54
Certificate:	• ATEX Certification NO.:ECM 17 ATEX-B Td45 • IECEx Certification NO.:IECEX CQM 16.0005X • CE • RoHS
Executive Standard:	• EN 60079-0 • EN 60079-1 • EN 60079-7 • IEC 60079-0:2011 • IEC 60079-1:2007-04 • IEC 60079-7:2006-07
Classification:	• Group II Zone 1 & 21 and 2 & 22

Electrical & Photometric Features:

Luminaire Efficacy:	140lm/W
Lifespan:	>50,000 hours
Charge Voltage:	100-277 VAC 141-392 VDC
Power:	5W-60W
Battery Rated Capacity:	12Ah
Rated Capacity:	Lead-acid batteries
Rated Lifespan:	300 Cycles
Battery Back Up:	12 h(15W) 8 h(30W) 4 h(60W)
Battery Charge Time: (after full discharge)	12 h-14h
Frequency:	50/60Hz
Insulation Class:	I
LED Driver:	Over voltage protection/short circuit protection

Mechanical Features:

Weight:	18Kg
Size:	695*350*218mm
Ambient Temperature:	-20°C-+55°C
Earthing Protection:	M4 (Internal & external earth bolts)
IP Code:	IP54
Enclosure Material:	Die-casting aluminium alloy
Enclosure Colour:	Orange,RAL2011
Coating:	Epoxy powder coating
Exposed Fastener:	Stainless steel
Protective Cover:	Tempered glass,Stand 7J impact

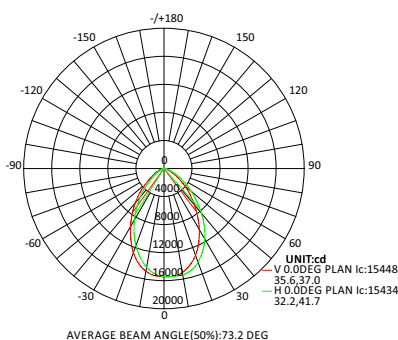
Production Definition

Ex	K	ST	BXX	XX	XX	XX	-U	-E
Type	Brand	Series	Battery Type	Capacity	Optional	CCT(K)	Type	Area
Ex-Explosion Proof			B24V-24V DC	12-12Ah	Forest Frog	WM-3000±300K NH-4000±300K NH-5000±300K CH-5700±300K	U- Update	E- English
	K-KHJ	ST-Saturn						

Ordering Information

P/N	Operating Voltage(V)	Color Temp.	CCT(K)	Power(W)	CRI	Luminous Flux(lm)	Temp. Classification -20℃~+55℃
Ex-KSTB24V12FFWM-U-E	100~277 AC (141~392 DC)	Warm white	3000±300	15	70	1740	T5
				30	70	3480	
				60	70	6950	
Ex-KSTB24V12FFNH-U-E		Natural white	4000±300	15	70	2100	
				30	70	4200	
				60	70	8400	
Ex-KSTB24V12FFNH-U-E		Natural white	5000±300	15	70	2100	
				30	70	4200	
				60	70	8400	
Ex-KSTB24V12FFCH-U-E		Cool white	5700±300	15	70	2100	
				30	70	4200	
				60	70	8400	

Candela Distribution



H5V5(80°)/High efficacy LED Source



Size

