



Saturn Series

LED Explosion proof light



Group II Zone 1、 2



Ex de II B T5 or T6 Gb

★ **LED Explosion Proof Mobile light**

★ INTRODUCTION



Features and benefits

1. Soldering steel, robust and durable.
2. Osram LED Source, High efficacy lumen output and high CRI.
3. Increased safety battery box.
4. Two pieces of lead acid batteries battery (24V18Ah).
5. Low surface temperature: Effective heat dissipation.



Applications

1. Suitable for petroleum, petrochemical, refineries, tunnels, power station, rail way industries, etc.
2. Used in drilling site, repair area, etc.
3. Group II Zone 1, Zone 2.

Executive standard

1. IEC 60079-0: Explosive atmospheres - Part 0: Equipment - General requirements
2. IEC 60079-7:2006: Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
3. IEC 60598-1:2008: Luminaires - Part 1: General requirements and tests





★ CHARACTERISTIC DETAILS



The PCBA and power supply are clung to the housing, which can dissipate the heat very fast, then extending the lifespan.



Aluminum alloy enclosure can endure 20J impact.

OSRAM LED source. High efficacy lumen output and high CRI



Rotatable and foldable pulling rod, saving space



Stepless dimmer design controls the brightness, providing better lighting and extending the working time.



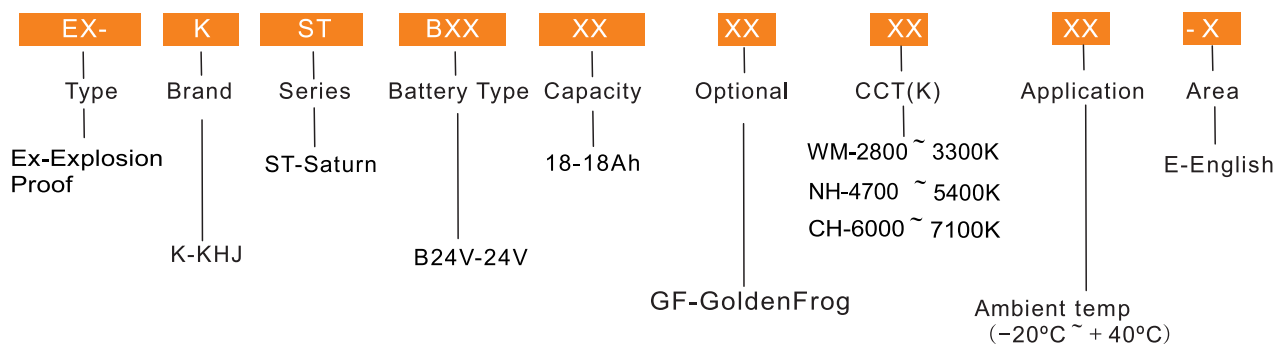
The wheel can be customized as requested.

CHARACTERISTIC DETAILS

★ PERFORMANCE PARAMETER



Product definition



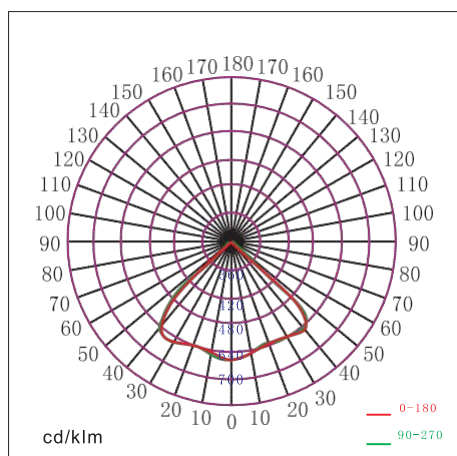
Parameter

Product type		Ex-KSTB24V18AhWM	Ex-KSTB24V18AhNH	Ex-KSTB24V18AhCH
		Warm white	Natural white	Cool white
Protection method		“d” , “e”		
Temp.classification		T5 or T6		
Ambient temp. (🌡️)		-20~ +40		
Input voltage(V)		AC 100~ 240		
Battery	Output voltage (V)	DC 20~ 28		
	Rated capacity(Ah)	18		
	Type	Lead-acid batteries		
	Lifespan	300 cycles		
	Working time(h)	15W	23	
		30W	12	
		60W	6. 5	
	Charging time(h) (After full discharge)	12~14		
Light	LED Source	OSRAM		
	Power(W)	60Max		
	CRI	82	82	70
	CCT (K)	2800~3300	4700~5400	6000~7100
	Luminous flux(lm)	4100	4500	4900
Size(mm)		735×350×250		
Weight(Kg)		24		
IP Code		IP54		
Anti-corrosion		WF2		

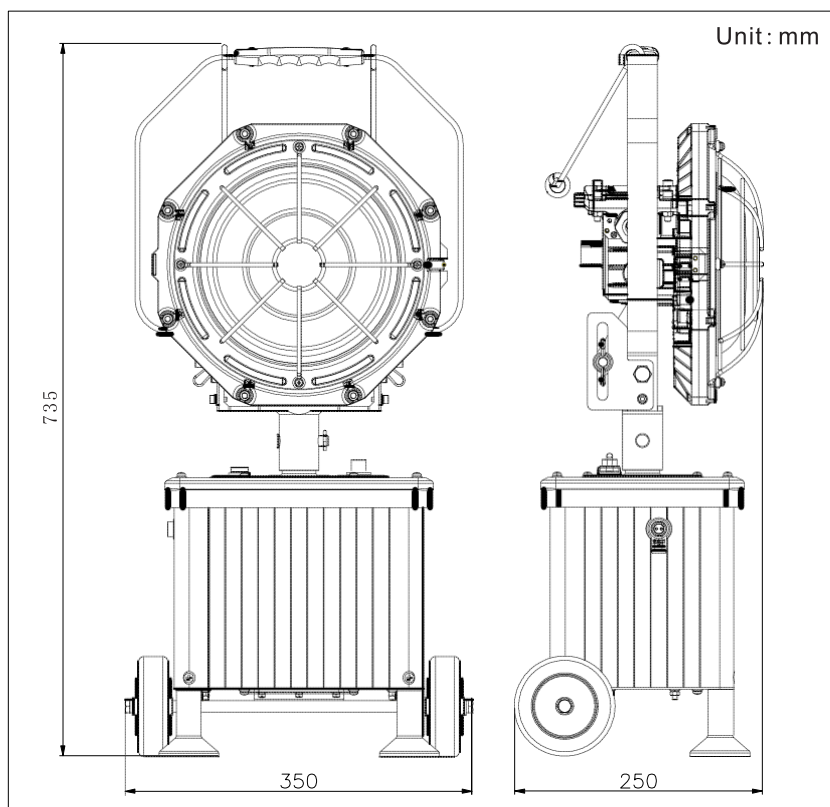
★ SIZE



Candela distribution



Size



★ SERVICE



Caution

1. To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.
2. To avoid electric shock:
Be certain electrical power is OFF before and during installation and maintenance.
Luminaire must be supplied by a wiring system with an equipment grounding conductor.
3. To avoid burning hands:
Make sure lens and housing are cool when performing maintenance.
4. To avoid explosion:
 - 1) Make sure the supply voltage is the same as the luminaire voltage.
 - 2) Do not install where the marked operating temperatures exceed the ignition temperature of the hazardous atmosphere.
 - 3) Do not operate in ambient temperatures above those indicated on the luminaire nameplate.
 - 4) All gasket seals must be clean.
 - 5) Before opening, electrical power to the luminaire must be turned off. Keep tightly closed when in operation.

Package Check

1. Check the carton and all the components according to the packing list.
2. Make sure the product is in good conditions.

Transportation

Please keep this product from heavy mechanical shock, exposure to strong sunshine, throwing, rolling and stress during transport.

Storage

Kept in dry, clean and well-ventilated, non-corrosive medium warehouse, the ambient temperature should be -40 °C to 55 °C.

After-sales service

Installation and maintenance must be according to the instruction.
If customer cannot deal with it by themselves, please contact with sales department.

Contact

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