

Forest Frog Series



LED Explosion proof Portable light



EX MARK: Ex d IIC T6 Gb
Ex tb III C T80°C Db IP66
IECEX Certificate No.: IECEX CQM 15.0039X
ATEX Certificate No.: LCIE 16 ATEX 3010X

★ KHJ-LED Explosion Proof Lighting

Features and benefits

1. SEOUL LED source. Long lifespan. High lumen output.
2. Good heat dissipation, long life span.
3. Magnetic force adsorption design, the lamp can attach on any Iron products, easy to use.
4. Carrying handle design, portable and convenient.
5. Explosion proof design can use in the hazardous application.
6. High strength aluminum alloy housing. can endure 20 J impact
7. More than 10h discharge time, meet the demand of the emergency illumination.
8. Adjustable lamp head can easily adjust illumination area.



Applications:

1. Suitable for petroleum, petrochemical, refineries, tunnels, power station, rail way industries, etc. Used in drilling site, repair area, Oil tanks etc.
2. Ambient temperature from -20°C to 55°C.



Executive standard:

- IEC 60079-0
- IEC 60079-1
- IEC 60079-31
- EN 60079-0
- EN 60079-1
- EN 60079-31
- EN 60598-1
- EN 55015
- IEC 62321

Division:

- ATEX Zone 1 & 21 and 2 & 22
- Class I Division 1 & 2 Groups A, B, C, D
- Class II Division 1 Groups E, F, G
- Class II Division 2 Groups F, G
- Class III Division 1
- Class III Division 2

Ex Mark & Certifications:

- Ex d II C T6 Gb
- Ex tb III C T80°C Db IP66
- IECEx Compliant
- ATEX Compliant
- ABS Compliant
- CE Compliant
- RoHS Compliant
- IP 66 Rated

★ CHARACTERISTIC DETAILS



Carrying handle design, portable and convenient.



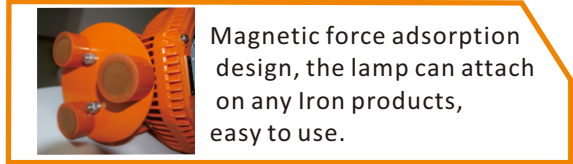
High strength aluminum alloy housing. can endure 20J impact



Adjustable lamp head can easily adjust illumination area.



Good heat dissipation , long life span .



Magnetic force adsorption design, the lamp can attach on any Iron products, easy to use.



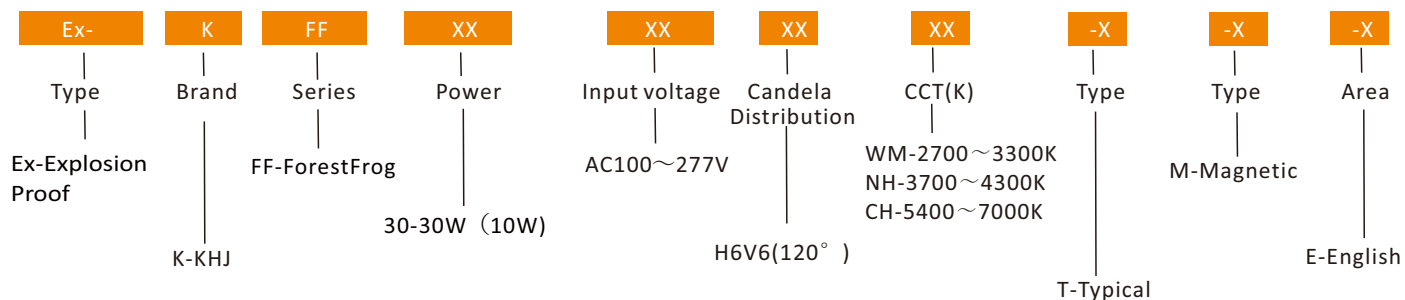
SEOUL LED source. Long lifespan. High lumen output.

Characteristic details

★ PERFORMANCE PARAMETER



Production Definition



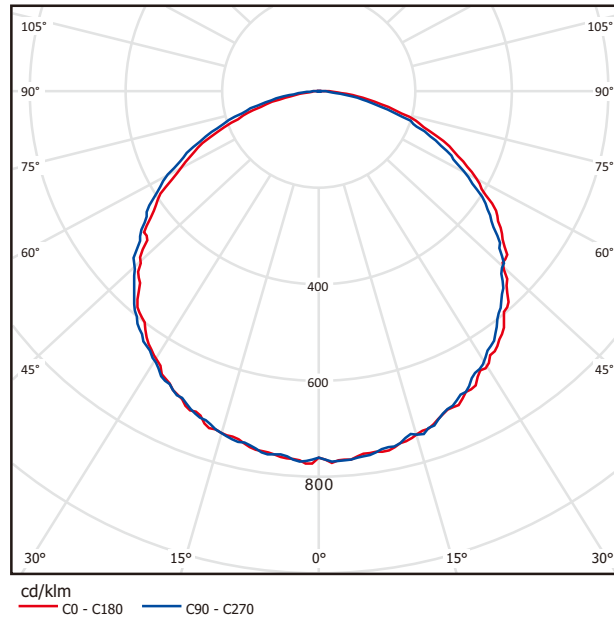
Electrical parameter

Product type	Ex-KFF30	Ex-KFF30	Ex-KFF30
P/N	Ex-KFF30H6V6WM-T-M-E	Ex-KFF30H6V6NH-T-M-E	Ex-KFF30H6V6CH-T-M-E
Power (W)	10		
Color temp.	Warm white	Natural white	Cool white
CCT (K)	2700 ~ 3300	3700 ~ 4300	5400 ~ 7000
CRI	80	80	80
Luminous (lm)	1010	1265	1265
Size (mm)	210*182*282		
Weight (Kg)	5.31		
Ex Mark	Ex d II C T6 Gb Ex tb III C T80°C Db IP66		
Temp. Classification	T6		
Rated input voltage (V)	100 ~ 277		
Battery	Rated capacity(Ah)	6.6	
	type	Lithium battery	
	Lifespan	500 cycles	
	Working time(h)	10	
	Charging time (after full discharge) (h)	7	
LED source	SEOUL LED		
Ambient temp. (°C)	-20 ~ +55		
IP Code	IP66		
Insulation	I		

★ CANDELA DISTRIBUTION



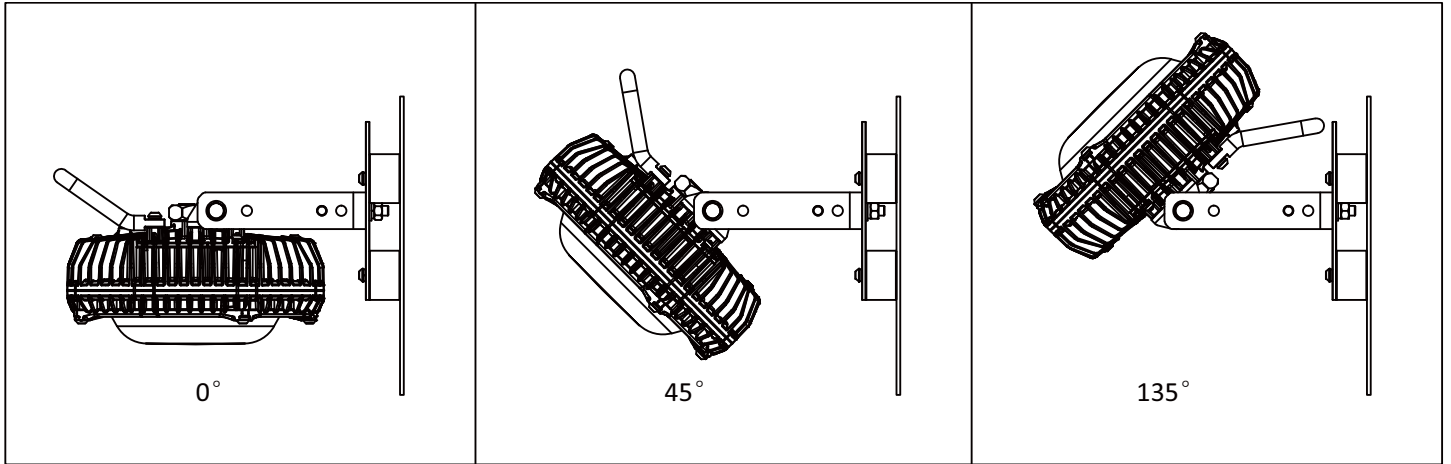
Candela Distribution



★ Installation method

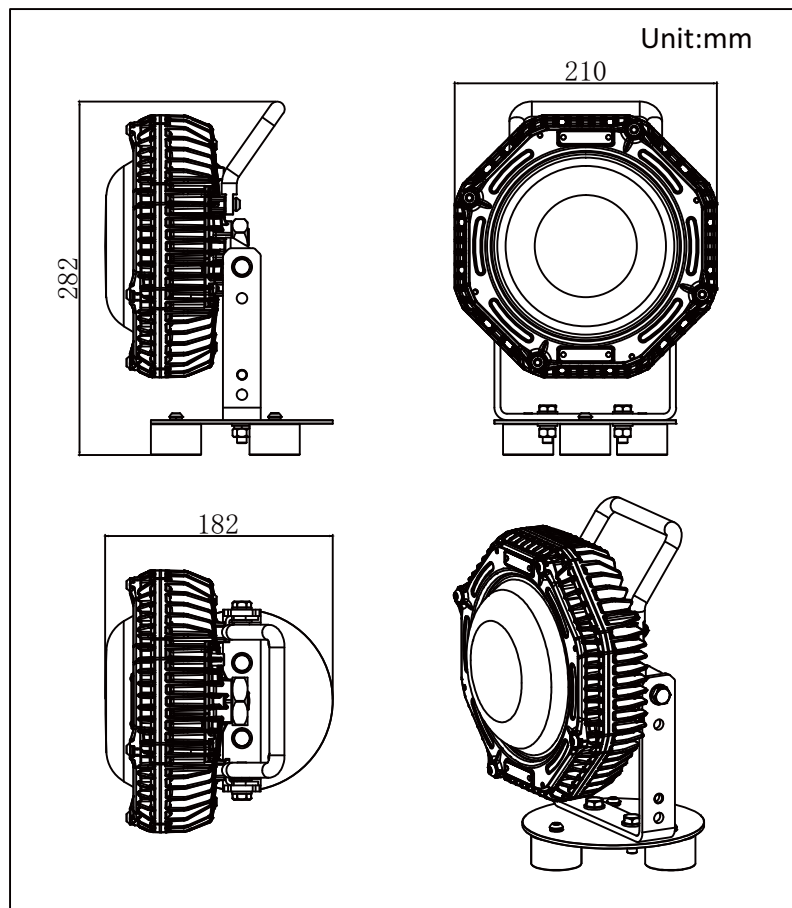


Installation method



The thickness of adsorbed substance should be not less than 3mm.

Installation parts



⚠ 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 can not deal with it by themselves, please contact with sales department.

Contact

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