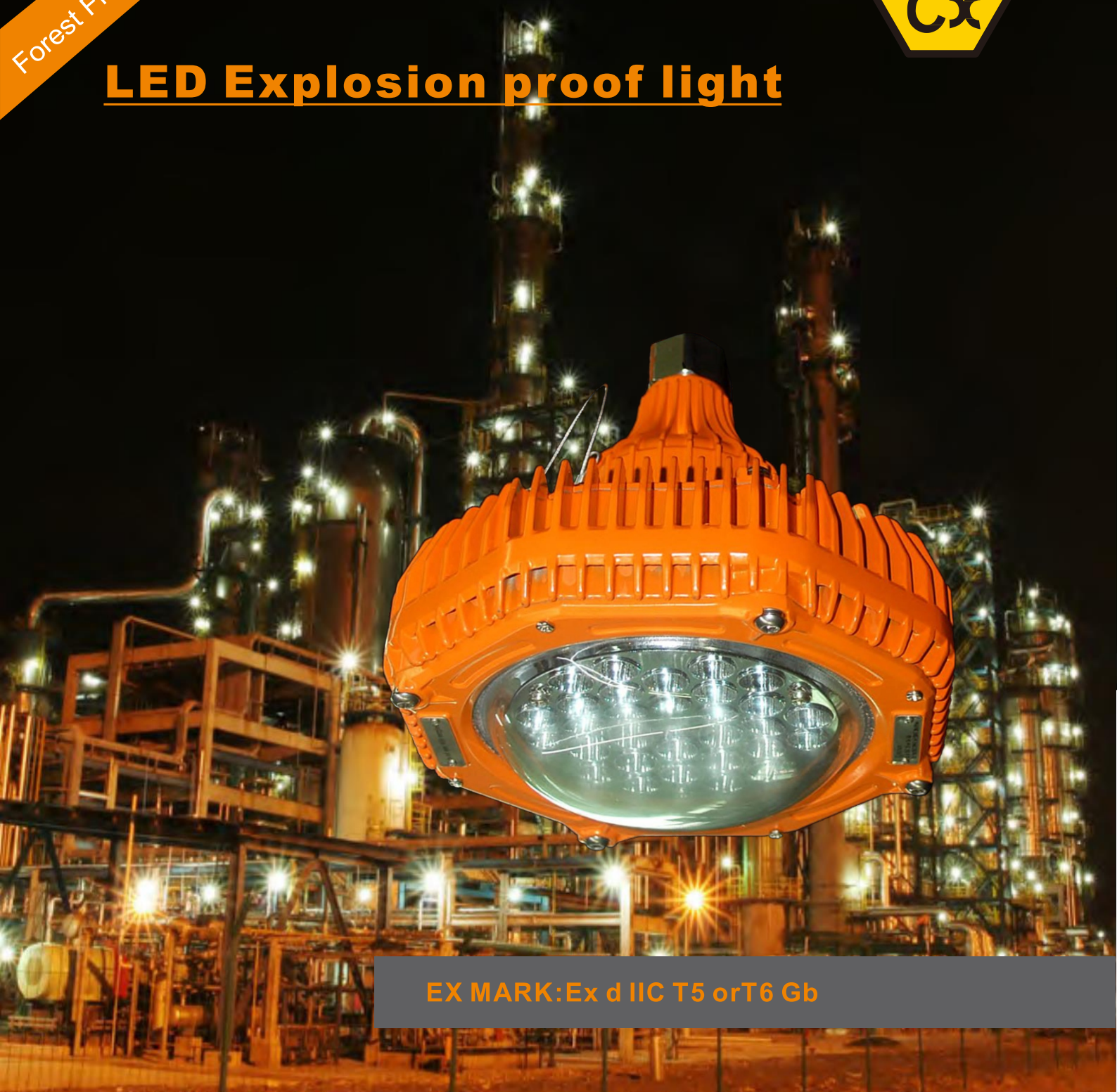




Forest Frog Series



LED Explosion proof light



EX MARK:Ex d IIC T5 orT6 Gb

★ KHJ-Explosion Proof Light

★ INTRODUCTION



Features and benefits

1. Energy saving. Reduce the number of luminaires you need, providing excellent efficacy-more light where you need it.
2. Anti-glare, reduces glare in applications where the user may have direct visual contact with the light source.
3. Shock- and vibration-resistant- tempered glass, reduces the risk of premature failure.
4. OSRAM LED source. High efficiency lumen output and high CRI.
5. Driver module assembly -High efficiency LED drivers are designed to provide reliable operation in even the harshest environments.
6. High-strength aluminum alloy enclosure, can endure 20J impact. IP66, can be used in marine and wet locations-robust construction suitable for saltwater and corrosive applications.
7. Ambient temperature from -40° C to 55° C.

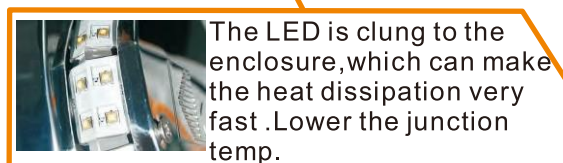
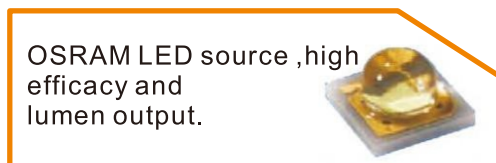
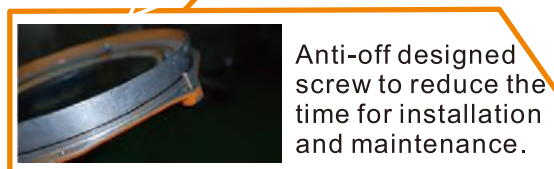
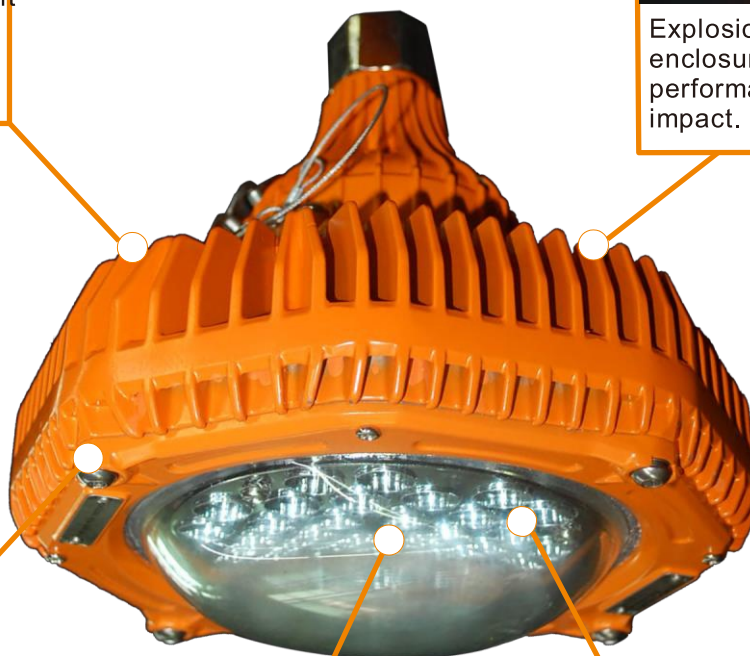
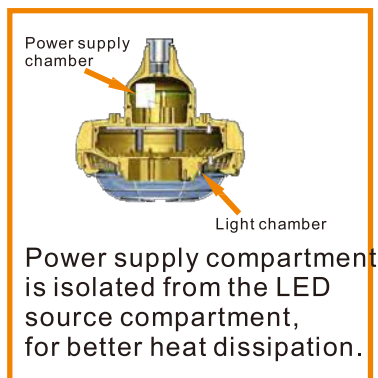
Applications:

1. Petroleum Industry, Petrochemical Industry, Metallurgical Industry, Power Generation Industry, Power Transmission Industry, Machine Manufacturing. etc.
2. Drilling platform, single point moorings, oil tanks, work over platform, production platform, field tank, manifold center, pumping station, gasoline station, transformer station, coating plant, warehouse .etc.
3. Group II Zone 1, Zone 21





★ CHARACTERISTIC DETAILS

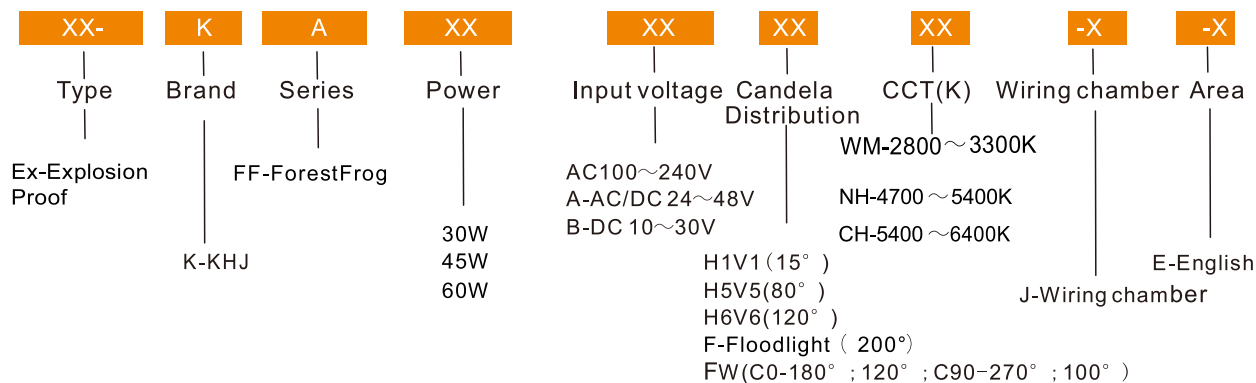


Characteristic details

★ PERFORMANCE PARAMETER



Production Definition



Electrical parameter

Product type	Rated input voltage(V AC)	Rated input voltage(VDC)	Rated input current (A)	Voltage frequency(Hz)	Rated power (W)	LED input current(mA)	PF
Ex-KFF30	100~277	/	0.31~0.11	50/60	30	500	>0.98
Ex-KFF30A	24~48	24~48	1.3~0.65	50/60	30	500	>0.98
Ex-KFF30B	/	10~30	3.15~1.05	50/60	30	500	>0.98
Ex-KFF45	100~277	/	0.47~0.17	50/60	45	600	>0.98
Ex-KFF45A	24~48	24~48	1.95~0.98	50/60	45	600	>0.98
Ex-KFF45B	/	10~30	4.72~1.57	50/60	45	600	>0.98
Ex-KFF60	100~277	/	0.63~0.22	50/60	60	600	>0.98
Ex-KFF60A	100~277	24~48	2.62~1.31	50/60	60	600	>0.98
Ex-KFF60B	100~277	10~30	6.3~2.1	50/60	60	600	>0.98

Photometric parameter

Product type	P/N	Color temp	CRI	CCT(K)	Luminous flux(lm)
Ex-KFF30	Ex-KFF30*WM-J-E	Warm white	82	2800-3300	3058
	Ex-KFF30*NH-J-E	Natural white	70	4700-5400	3960
	Ex-KFF30*CH-J-E	Cool white	70	5400-6400	3960
Ex-KFF45	Ex-KFF45*WM-J-E	Warm white	82	2800-3300	4065
	Ex-KFF45*NH-J-E	Natural white	70	4700-5400	5280
	Ex-KFF45*CH-J-E	Cool white	70	5400-6400	5280
Ex-KFF60	Ex-KFF60*WM-J-E	Warm white	82	2800-3300	5082
	Ex-KFF60*NH-J-E	Natural white	70	4700-5400	6600
	Ex-KFF60*CH-J-E	Cool white	70	5400-6400	6600

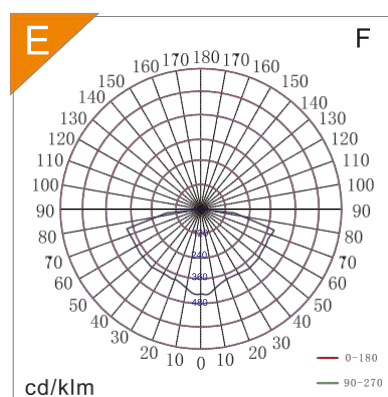
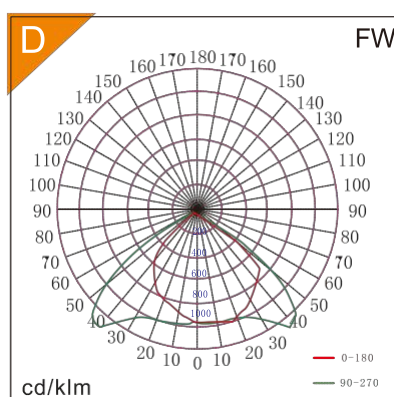
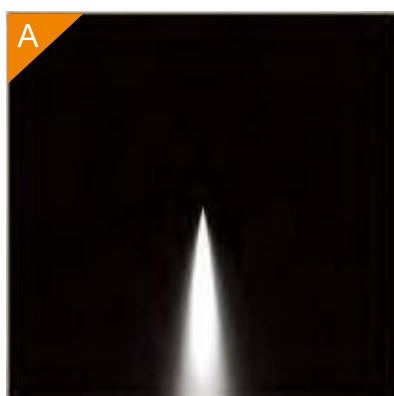
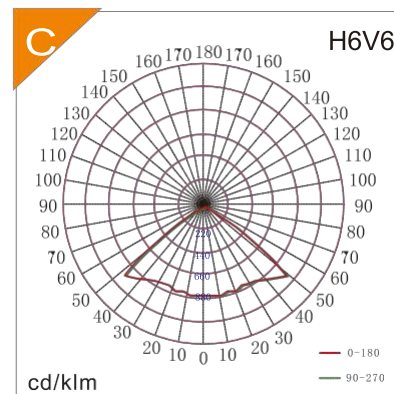
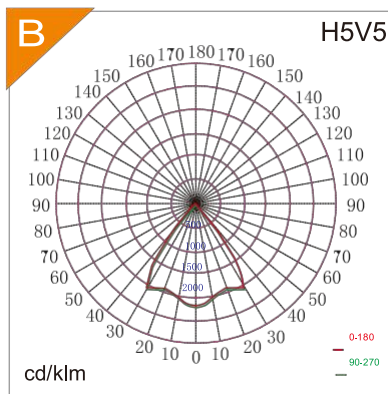
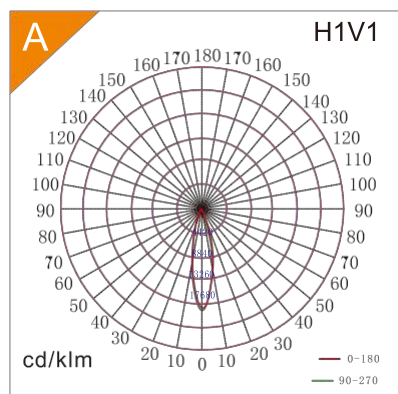
Remarks: *Stands for candela distribution, including H1V1 / H5V5 / H6V6 / FW/F.

Type	Beam angle (°)	Candela distribution
H1V1	15	A
H5V5	80	B
H6V6	120	C
FW	C0-180°:120°;C90-270°:100°	D
F	200°	E

Other parameter

Product type	Size (mm)	Weight(kg)	Ambient temp. (℃)	Max.surface temp. (test in 25℃)	Temp.classification	IP code	Insulation
Ex-KFF30	φ 220*206	3.3	-40~+55	45	T6	IP 66	I
Ex-KFF45	φ 220*206	3.3	-40~+55	50	T6	IP 66	I
Ex-KFF60	φ 220*206	3.3	-40~+55	56	T5	IP 66	I

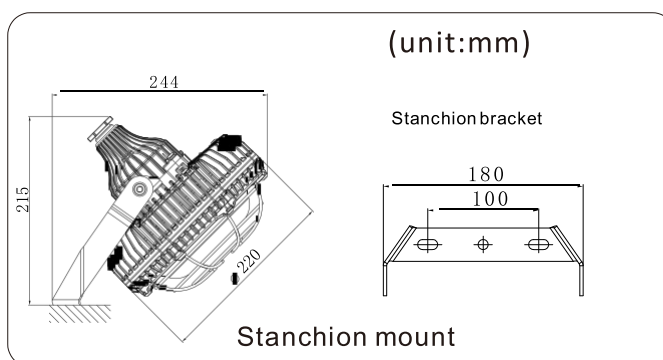
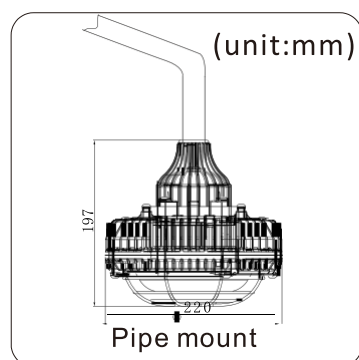
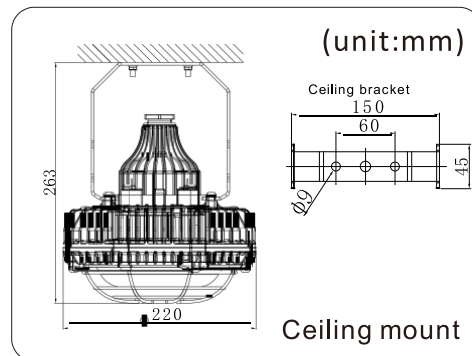
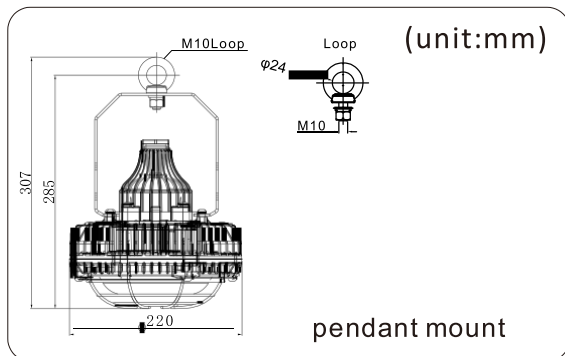
★ CANDELA DISTRIBUTION



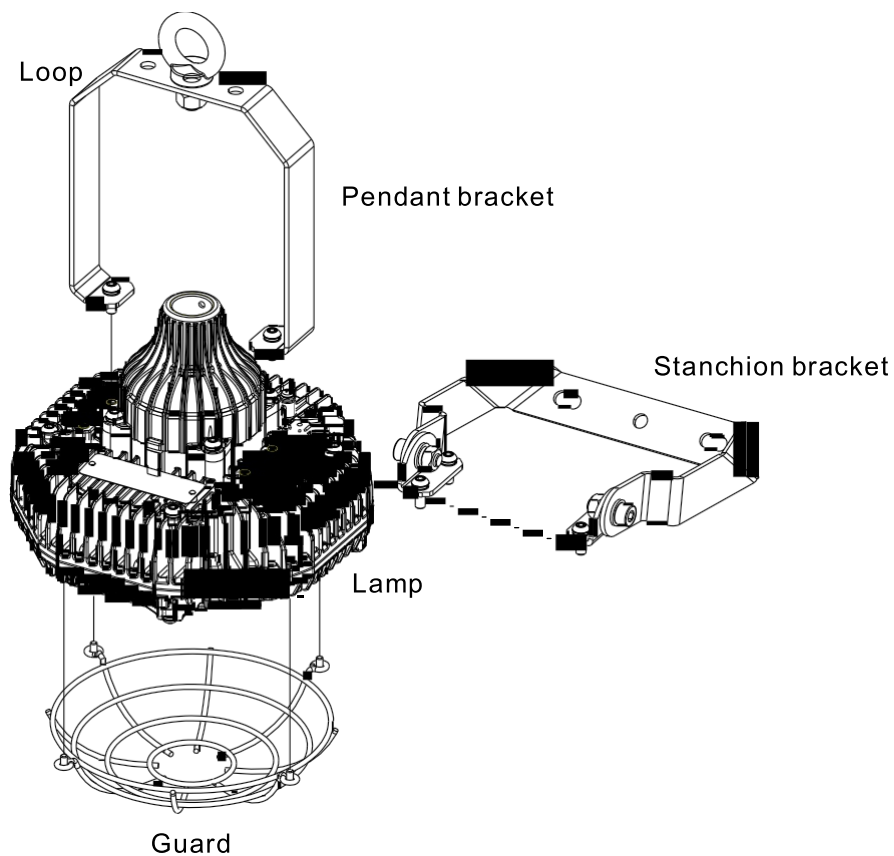
★ Installation method



Installation method







Installation parts



★ OPTION PARTS



Option parts

N0.	Installtion accessories	Picture	Material	Weight (Kg)	QTY	Remarks
1	Bracket		Q235	0.24	1	
2	Loop		Q235	0.36	1	
3	Stanchion bracket		Q235	0.47	1	
4	Guard		Q235	0.13	1	

★ 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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