



Golden Frog Series



Explosion proof LED Flood light

V2.0

★ **KHJ-Explosion Proof Lighting**

★ INTRODUCTION



Features and benefits

1. Energy saving. Reduce the number of luminaires you need, providing excellent luminaires efficiency-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 suitability for -40° C to 55° C



Applications:

- Locations requiring continuous and consistent light levels in extreme ambient temperatures.
- Areas requiring frequent on-and-off of lights.
- Where flammable vapors, gases, ignitable dusts, fibers or flyings are present; indoors or outdoors.
- Where extremely corrosive, wet, dusty, hot and cold conditions exist.
- Marine, wet locations and hose-down environments.
- Manufacturing plants; heavy industrial, chemical, petrochemical, pharmaceutical facilities; platforms; loading docks; tunnels; outdoor wall and stanchion mounted general area lighting.
- Group II, Zone 1 , Zone21, Zone 2, Zone 22.



★ CHARACTERISTIC DETAILS



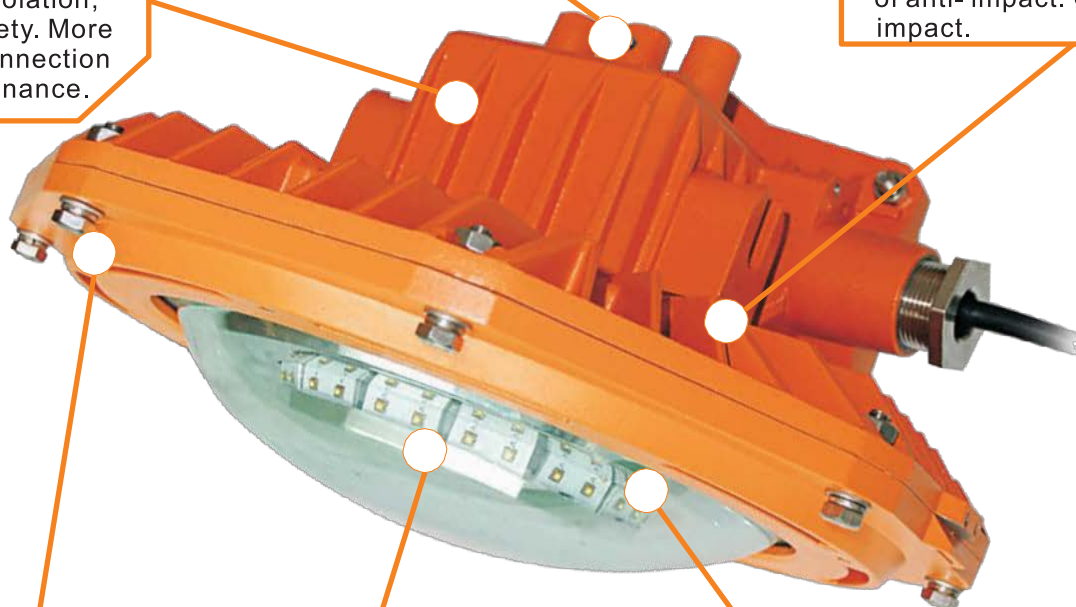
Terminal compartment is isolated with the led source compartment. Enhance isolation, ensure safety. More easy for connection and maintenance.



Installation loop is designed with Anti-off Set screw to make sure the safety. Perfect heat sink design, providing an efficient thermal path to the heat sink assembly.

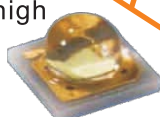


Explosion proof aluminum alloy enclosure, high performance of anti- impact. Can endure 20J impact.



Anti-off designed screw to reduce the time for installation and maintenance.

OSRAM LED source ,high efficiency and lumen output.



The led is clung to the enclosure, which can make the heat sink very fast , low down the junction temp.

Characteristic details

★ PERFORMANCE PARAMETER



Performance parameter

Electrical parameter

Product type	Rated input voltage(V AC)	Rated input current A	Voltage frequency(Hz)	Rated power(W)	Input current(mA)	PF
Ex-KGF30	100 240	0.25	50/60	30	310	> 0.98
Ex-KGF60	100 240	0.5	50/60	60	600	> 0.98

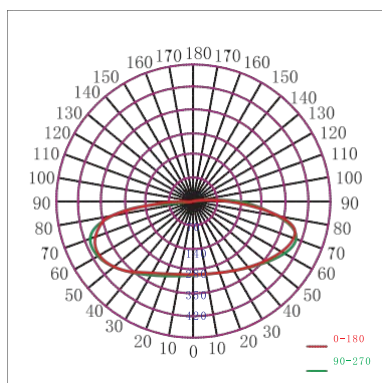
Photometric parameter

Product type	P/N	Color temp.	CCT(K)	CRI	Luminous Flux(lm)	Candela Distribution
Ex-KGF30	Ex-KGFF30W M	Warm white	2800-3300	82	2400±10%	A
	Ex-KGFF30 NH	Natural white	4700-5400	82	2700±10%	
	Ex-KGFF30 CH	Cool white	6000-7100	70	2900±10%	
	Ex-KGFB30WM	Warm white	2800-3300	82	2400±10%	B
	Ex-KGFB30NH	Natural white	4700-5400	82	2700±10%	
	Ex-KGFB30CH	Cool white	6000-7100	70	2900±10%	
	Ex-KGFS30WM	Warm white	2800-3300	82	2400±10%	C
	Ex-KGFS30NH	Natural white	4700-5400	82	2700±10%	
	Ex-KGFS30CH	Cool white	6000-7100	70	2900±10%	
Ex-KGF60	Ex-KGFF60W M	Warm white	2800-3300	82	4100±10%	D
	Ex-KGFF60 NH	Natural white	4700-5400	82	4500±10%	
	Ex-KGFF60 CH	Cool white	6000-7100	70	4900±10%	
	Ex-KGFB60WM	Warm white	2800-3300	82	4100±10%	E
	Ex-KGFB60NH	Natural white	4700-5400	82	4500±10%	
	Ex-KGFB60CH	Cool white	6000-7100	70	4900±10%	
	Ex-KGFS60WM	Warm white	2800-3300	82	4100±10%	F
	Ex-KGFS60NH	Natural white	4700-5400	82	4500±10%	
	Ex-KGFS60CH	Cool white	6000-7100	70	4900±10%	

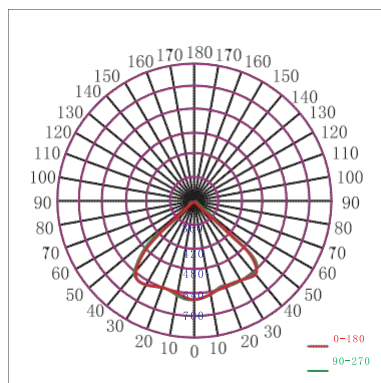
Other parameters:

Product type	Size(mm)	Weight(Kg)	Ambient temp(C)	Max.Surface temp tested in 25℃	IP Range	Insulation Range
Ex-KGF30	311×284×190	5.3	-40 +55	55	IP66	I
Ex-KGF60	311×284×190	5.5	-40 +55	63.5	IP66	I

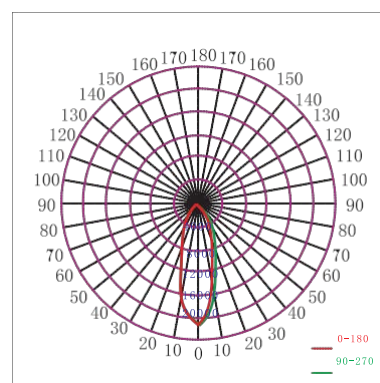
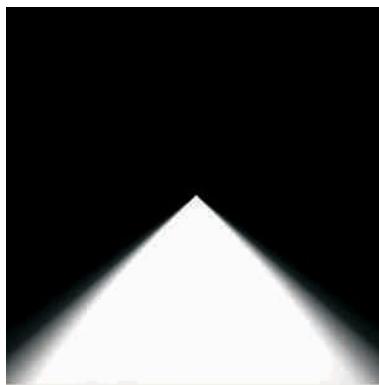
★ CANDELA DISTRIBUTION



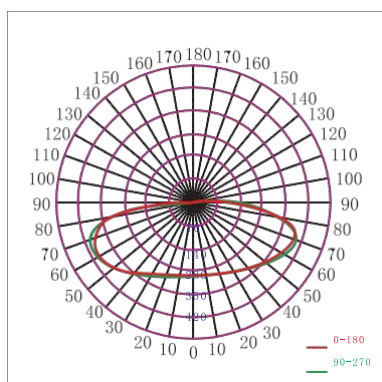
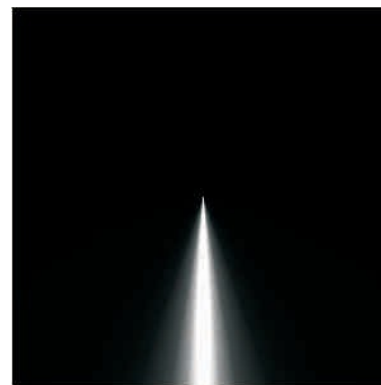
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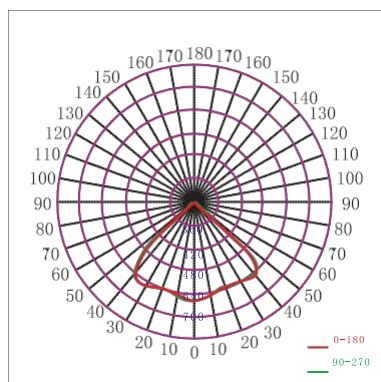
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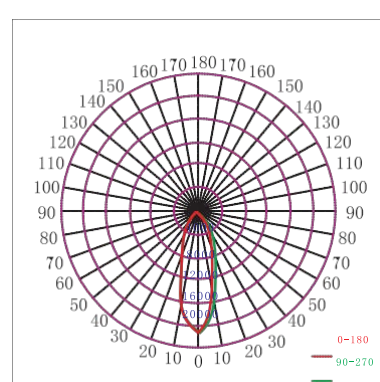
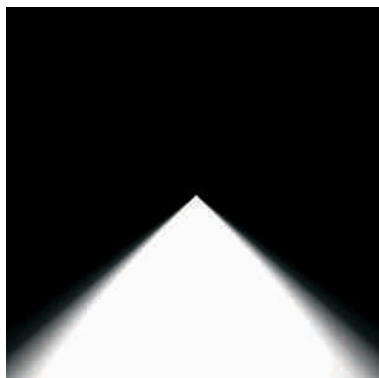
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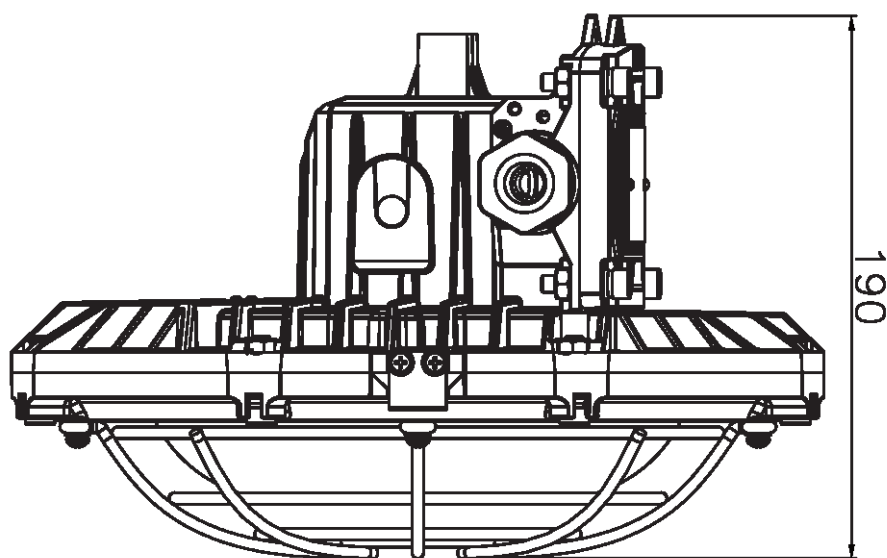
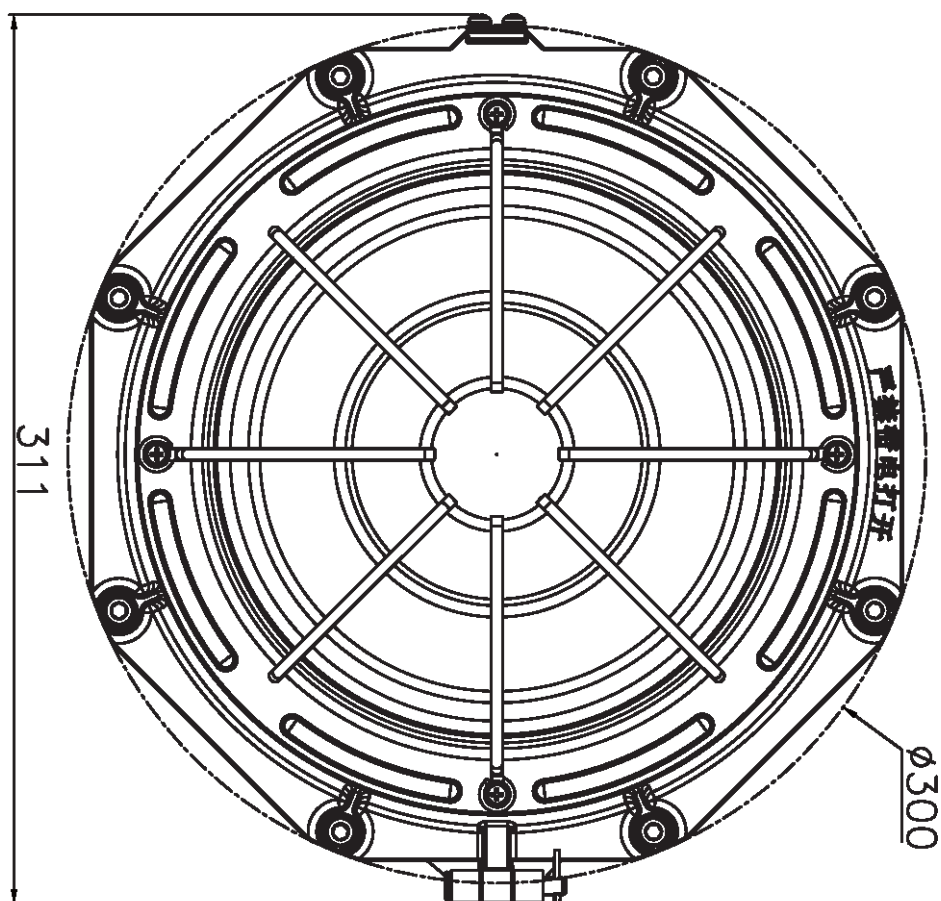


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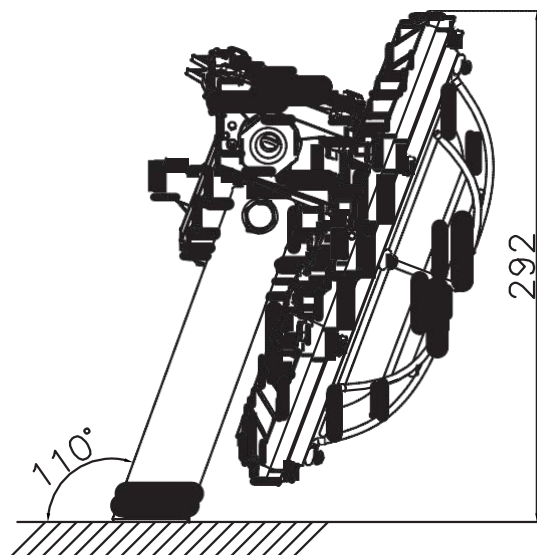
★ SIZE



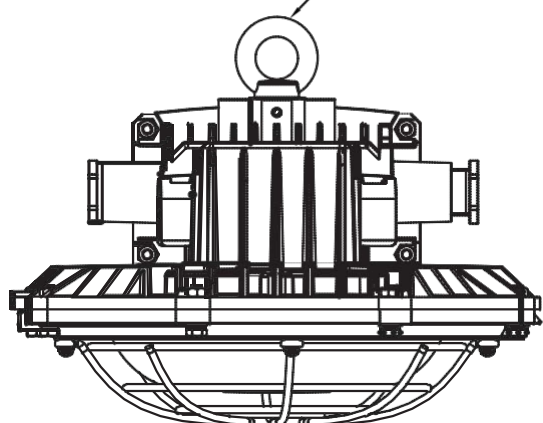
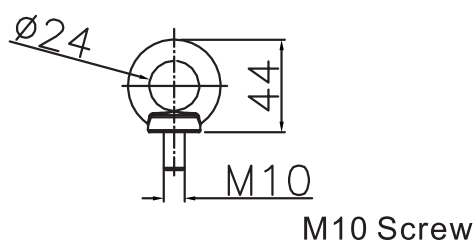
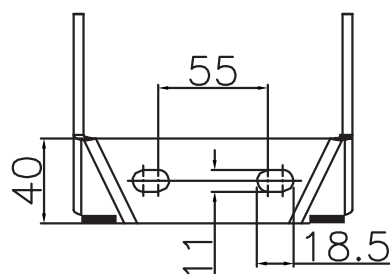
★ INSTALLATION METHOD



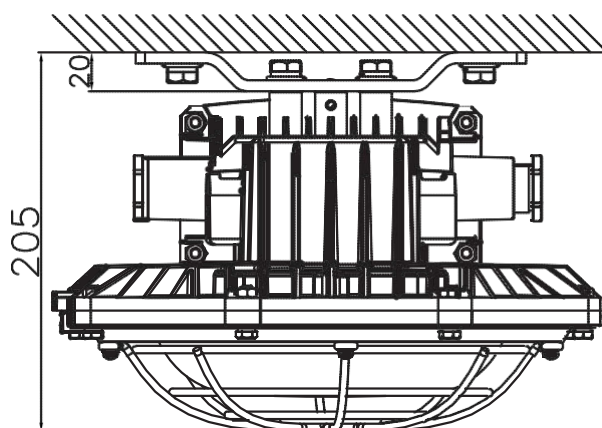
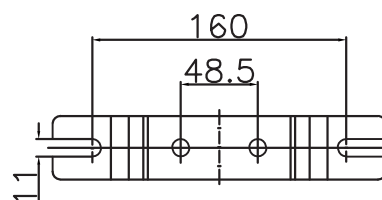
Installation method



Bracket mount



Pendant mount






Ceiling mount

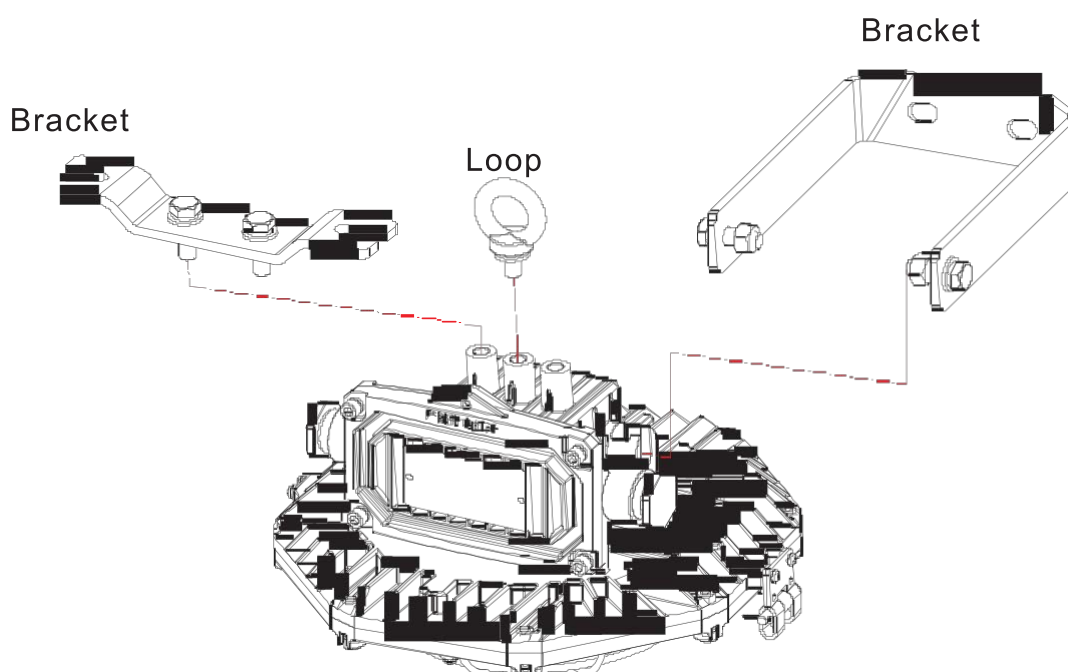
★ ACCESSORIES



optional parts

Installation accessories	Picture	Material	Weight(Unit Kgs)	QTY /Luminaire
Bracket		Q235	0.4	1
Bracket		Q235	0.4	1
Guards		Q235	0.3	1
Loop		45#	0.1	1

Accessories



★ 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) Use proper supply wiring as specified on the luminaire nameplate. 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:

Keep 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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