PolarBear Series

LED Explosion proof light

Group Ⅱ Zone 2

Ex nR Ⅱ T5 or T6 Gc

★ LED Explosion proof light

★ INTRODUCTION

KHJ®

Features and benefits

1. Energy saving. Reduce the number of luminaires needed, providing excellent luminaries efficacy and 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 efficacy lumen output and high CRI.
5. Driver module assembly High efficacy LED drivers are designed to provide reliable operation in even the harshest environments.
6. High strength aluminum alloy housing, can endure 20J impact. IP66, can be used in wet locations, robust construction suitable corrosive applications.
7. Adjusting plate, customer can adjust different angles.
8. 80W,120W,160W,200W 240W available. Optional luminous intensity distribution for different applications.
9. Ambient temperature from -40ºC to 55ºC.

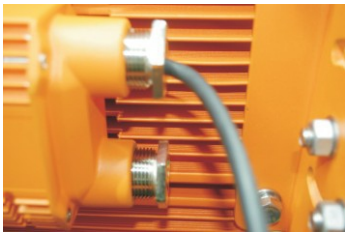
Application:

1.Sultable for petroleum, petrochemlcal Industry.
2.Used for area lighting in oil well sites, petrochemical units, warehouse.
3.Group II Zone 2, Zone 22.

Executive standard:

IEC 60079-0:2007 Explosive atmospheres - Part 0: Equlpment - General requlrements
IEC 60598-1:2008 Lumlnalres - Part 1: General requlrements and tests

★ CHARACTERISTIC DETAILS

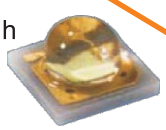


The LED Is clung to the enclosure, heat slnk fast to make hlgh lumen output and hlgh effIclency.

DIstrIbuted Led can Improve the antI-glare performance and make varlous candela dIstrIbutIons.

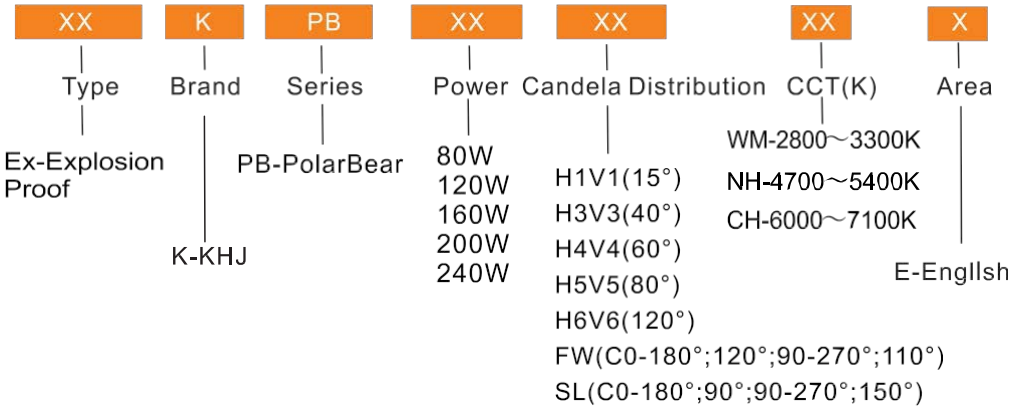
Explosion proof alumInlum alloy enclosure, hlgh performance of antI- Impact. Can endure 20J Impact.

OSRAM LED source ,high efficacy and lumen output.



PERFORMANCE PARAMETER

Product Definition



Electrical Parameter

Product type	Rated input voltage(V AC)	Rated input current(A)	Frequency (Hz)	Rated power (W)	Input current (mA)	PF
Ex-KPLB80	100~ 240V	0.3~ 0.9	50/60	80	600	＞0.98
Ex-KPLB120	100~ 240V	0.5~ 1.3	50/60	120	600	＞0.98
Ex-KPLB160	220~ 240V	0.6~ 0.8	50/60	160	600	＞0.98
	100~ 127V	1.2~1.9	50/60	160	600	＞0.98
Ex-KPLB200	100~ 240V	0.9~2.2	50/60	200	600	＞0.98
Ex-KPLB240	220~ 240V	1~ 1.2	50/60	240	600	＞0.98
	100~ 127V	1.9~2.8	50/60	240	600	＞0.98

Photometric Parameter

Product type	P/N	Color temp.	CRI	CCT(K)	Luminous flux (lm)
Ex-KPLB80	Ex-KPLB*80CH-E	Cold white	70	5700-7100	8700
	Ex-KPLB*80WM-E	Warm white	82	2800-3300	7475
	Ex-KPLB*80NH-E	Natural white	70	4700-5400	8700
Ex-KPLB120	Ex-KPLB*120CH-E	Cold white	70	5700-7100	12420
	Ex-KPLB*120WM-E	Warm white	82	2800-3300	10680
	Ex-KPLB*120NH-E	Natural white	70	4700-5400	12420
Ex-KPLB160	Ex-KPLB*160CH-E	Cold white	70	5700-7100	16560
	Ex-KPLB*160WM-E	Warm white	82	2800-3300	14240
	Ex-KPLB*160NH-E	Natural white	70	4700-5400	16560
Ex-KPLB200	Ex-KPLB*200CH-E	Cold white	70	5700-7100	20700
	Ex-KPLB*200WM-E	Warm white	82	2800-3300	17800
	Ex-KPLB*200NH-E	Natural white	70	4700-5400	20700
Ex-KPLB240	Ex-KPLB*240CH-E	Cold white	70	5700-7100	24800
	Ex-KPLB*240WM-E	Warm white	82	2800-3300	21360
	Ex-KPLB*240NH-E	Natural white	70	4700-5400	24800

★ PERFORMANCE PARAMETER

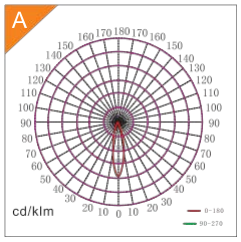
Type	Beam angle(°)	Candela distribution
H1V1	15	A
H3V3	40	B
H4V4	60	C
H5V5	80	D
H6V6	120	E
FW	C0-180° : 120 C90-270° : 110	F
SL	C0-180° : 90 C90-270° : 150	G

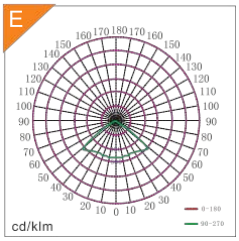
* Stands for candela dlstrlbutlon,including H1V1,H3V3,H4V4,H5V5,H6V6,FW,SL.

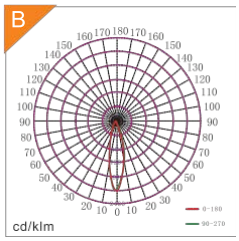
Other Parameter

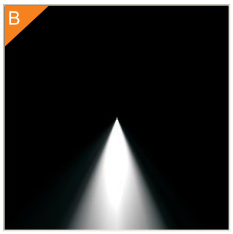
Product type	Size(mm)	Weight(Kg)	Ambient temp.(℃)	Max. surface temp. (25℃)	Temp. classification	IP code	Insulation
Ex-KPLB80	210*400*155	9	-40~+55	85	T6	IP66	I
Ex-KPLB120	260*400*161	11	-40~+55	85	T6	IP66	I
Ex-KPLB160	400*400*161	18	-40~+55	85	T6	IP66	I
Ex-KPLB200	400*400*155	18	-40~+55	85	T6	IP66	I
Ex-KPLB240	500*400*161	21	-40~+55	85	T6	IP66	I

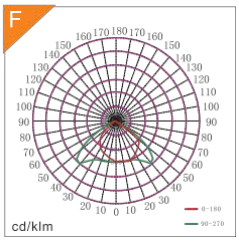
Candela Distribution

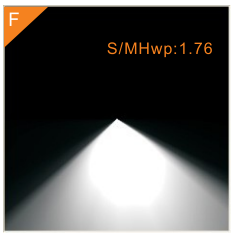


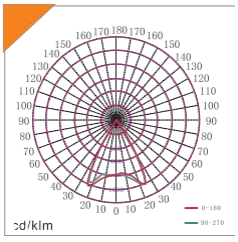


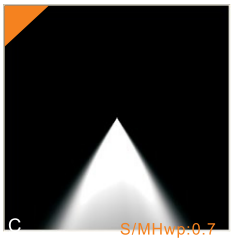


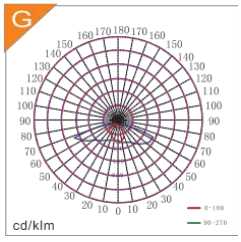


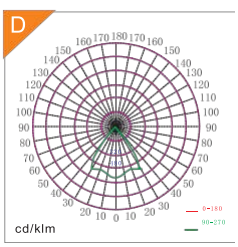


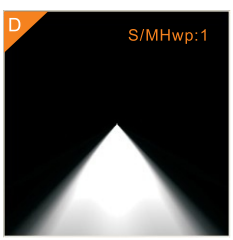








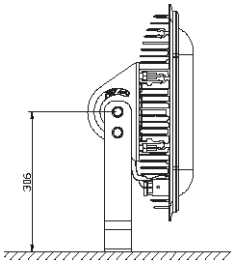


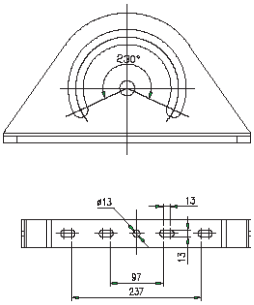


★ INSTALLATION METHOD

Installation Method

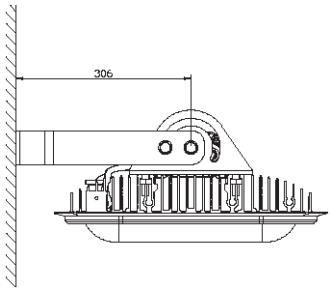
(unit:mm)

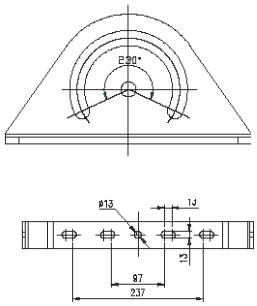




Stanchion mount

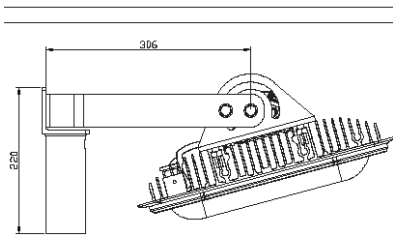
(unit:mm)





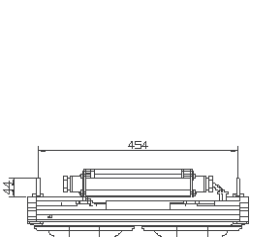
Wall mount

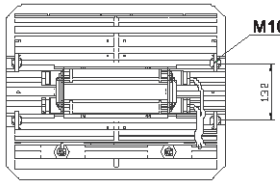
(unit:mm)

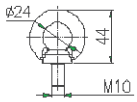


Pole mount

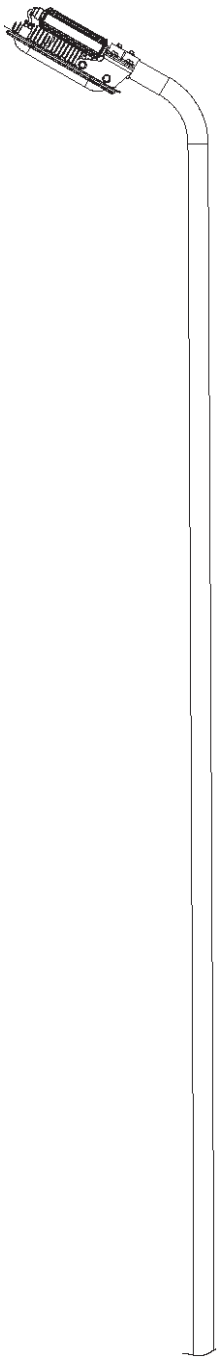
(unit:mm)







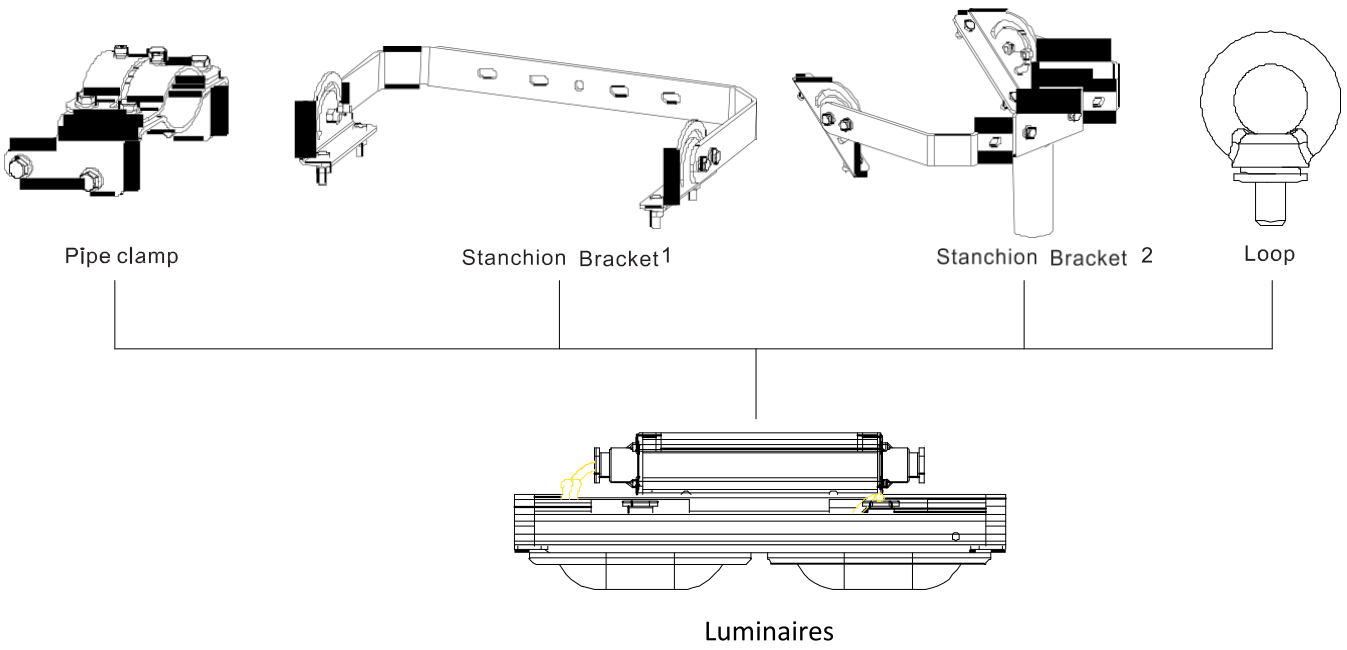
Pendant mount



Pipe clamp

ACCESORIES

Optlonal Parts

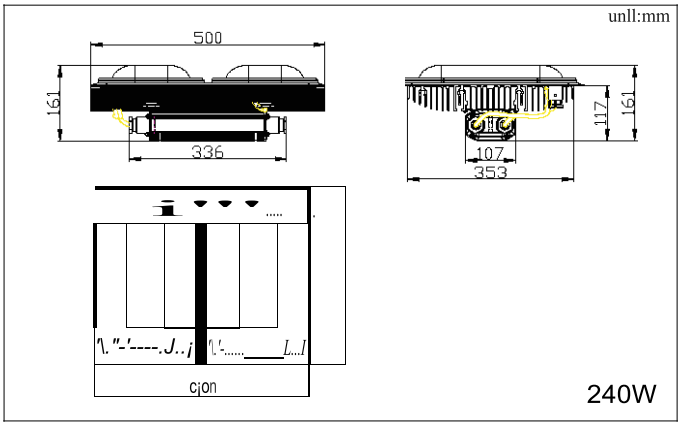


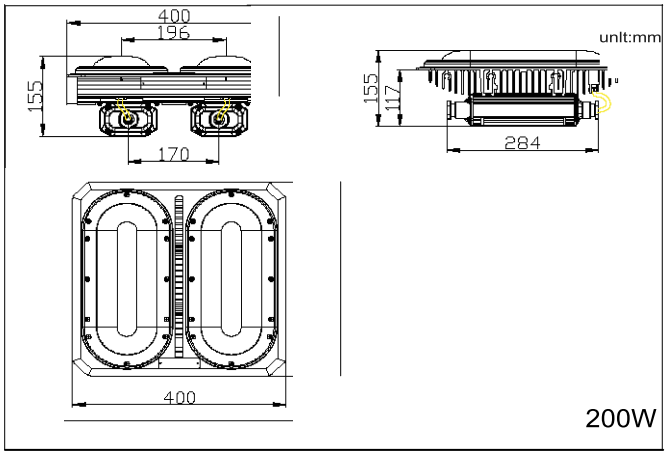
NO.	Installatlon accessorles	Plcture	Material	Weight (Kg)	QTY	Remarks
1	Plpe clamp		Q235	2.1	1	/
2	Loop		45#	0.2	4	/
3	Stanchlon Bracket 1		Q235	4.2	1	/
4	Stanchlon Bracket 2		Q235	1.63	1	/
			Q235	4.2	1	/

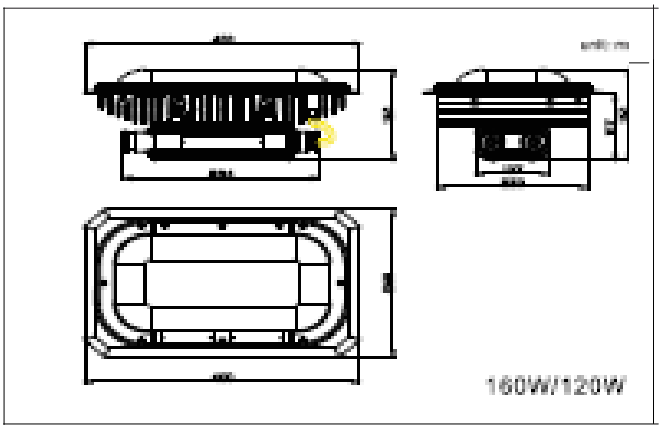
★ SIZE

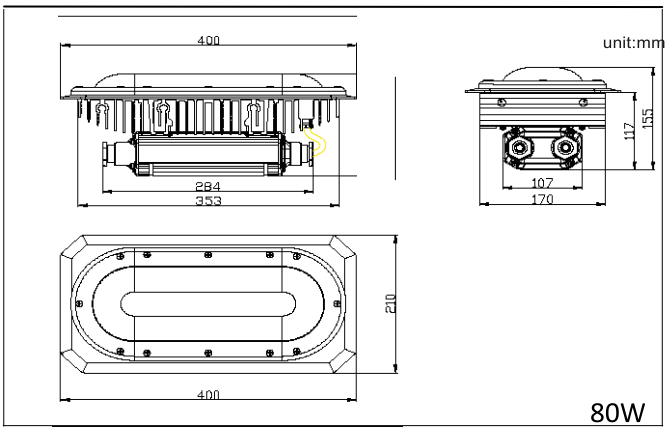
KHJ®

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

Contact

WP Traders SAC

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