



LED Explosion Proof Light

**ATEX & IECEx Certified LED Floodlight Hazardous Area.
Tank Series**

II 2 G Ex db IIC T* Gb

II 2 D Ex tb IIIC T* Db IP66





Features And Benefits:

- High efficacy LED Source with long lifespan >100,000 hours
- 3-year performance warranty
- Low THD around 10%, Less interference
- 6KV Surge Protection
- Robust aluminium housing and strong tempered glass
- Vibration and shock resistant
- Low maintenance
- Dust proof structure design to avoid dust accumulation

Applications:



Oil&Gas Exploration



Drilling



Oil Refinery



Petrochemical Plant



Power Plant



Pharmaceutical Plant



ATEX & IECEx Certified LED Floodlight in Hazardous Area.

LED Floodlight

Standard & Certificate:	
Ex Mark:	Gas: II 2 G Ex db IIC T* Gb Dust: II 2 D Ex tb IIIC T* Db IP66
Certificate:	• ATEX Certification NO.: Pending • IECEx Certification NO.: Pending
Executive Standard:	• IEC 60079-0:2017 • IEC 60079-1:2014 • IEC 60079-31:2008 • EN 60598-2-5:1998 • EN 60598-1:2008 • EPA3052:1996 • EPA3060A:1996 • EPA7196A:1992 • EPA3540C:1996 • EPA8270D:2007 • IEC 62321:2008
Classification:	• Group II, Zone 1 & 21 and 2 & 22

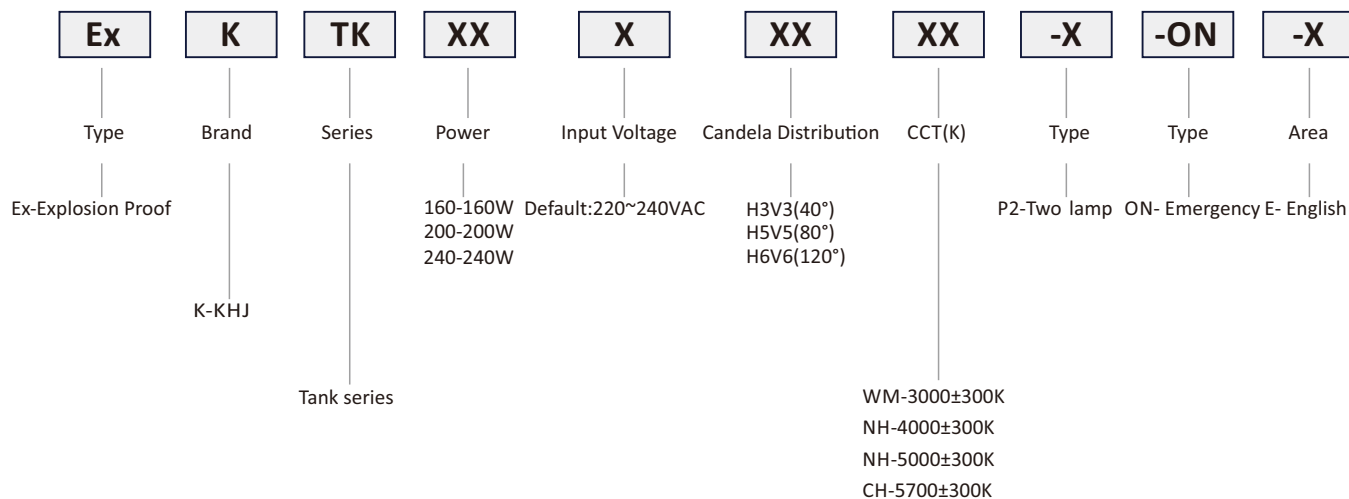
Electrical & Photometric Features:	
Luminaire Efficacy:	Max:143lm/W
Lifespan:	>50,000 hours
Operating Voltage:	220-240 VAC,311-339VDC
Power:	Normal:160W/200W/240W Emergency:10W
Battery:	9.6V 4.0Ah, Ni-MH
Emergency Duration:	≥180min
Charge time:	≥24hours
THD:	< 10%
Frequency:	50/60Hz
Power Factor:	> 0.89
Insulation Class:	I
Surge Protection:	6KV
LED Driver:	Over voltage protection/short circuit protection

Mechanical Features:	
Weight:	18Kg
Size:	332*426*142mm
Ambient Temperature:	-20°C-+55°C
Connecting Terminals:	3*1.0-4mm ² (L+N+PE)
Available cable outer diameter:	φ7-φ20(mm)
Cable Entries:	2XM20*1.5 (NPT 3/4", M25*1.5 are optional)
Earthing Protection:	M4 (Internal & external earth bolts)
IP Code:	IP66
Enclosure Material:	Aluminium
Enclosure Colour:	Grey RAL7040
Coating:	Epoxy powder coating
Exposed Fastener:	Stainless steel
Protective Cover:	Tempered glass,Stand 7J impact



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Production Definition

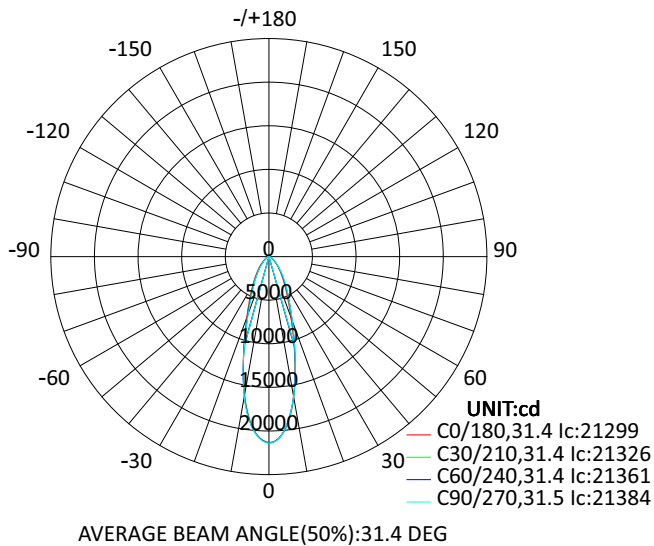


Ordering information

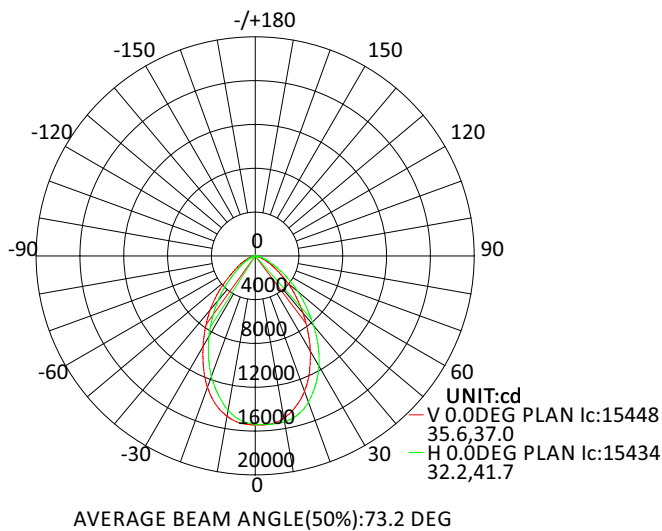
P/N	Operating Voltage(V)	Luminous Flux(lm)		Power(W)		CRI	Color Temp.	CCT(K)	Temp. Classification
		Normal	Emergency	Normal	Emergency				
Ex-KTK160*CH-P2-ON-E	220-240 VAC (311-339 VDC)	22910	1430	160	10	70	Cool white	5700K±300K	T5
Ex-KTK160*NH-P2-ON-E		22910	1430			70	Natural white	5000K±300K	T5
Ex-KTK160*NH-P2-ON-E		22910	1430			70	Natural white	4000±300k	T5
Ex-KTK160*WM-P2-ON-E		20619	1290			70	Warm white	3000±300k	T5
Ex-KTK200*CH-P2-ON-E		29145	1430	200	10	70	Cool white	5700±300k	T5
Ex-KTK200*NH-P2-ON-E		29145	1430			70	Natural white	5000±300k	T5
Ex-KTK200*NH-P2-ON-E		29145	1430			70	Natural white	4000±300k	T5
Ex-KTK200*WM-P2-ON-E		26230	1290			70	Warm white	3000±300k	T5
Ex-KTK240*CH-P2-ON-E		34136	1430	240	10	70	Cool white	5700±300k	T5
Ex-KTK240*NH-P2-ON-E		34136	1430			70	Natural white	5000±300k	T5
Ex-KTK240*NH-P2-ON-E		34136	1430			70	Natural white	4000±300k	T5
Ex-KTK240*WM-P2-ON-E		30884	1290			70	Warm white	3000±300k	T5

Remarks:1.The second * stands for Candela Distribution including H3V3,H5V5,H6V6.

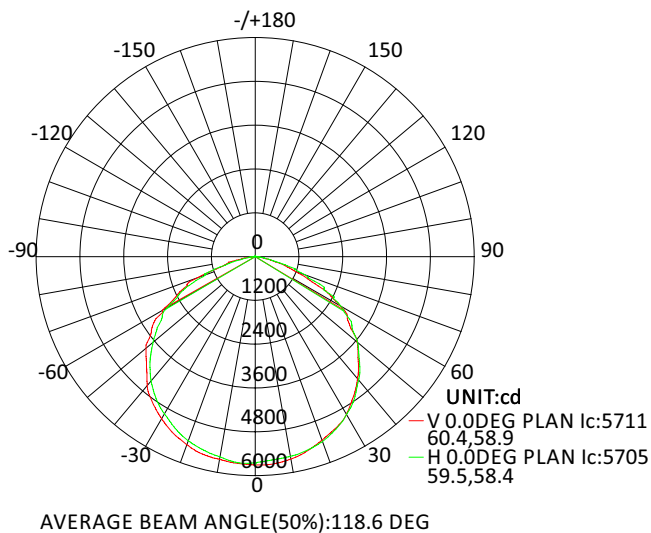
Candela Distribution



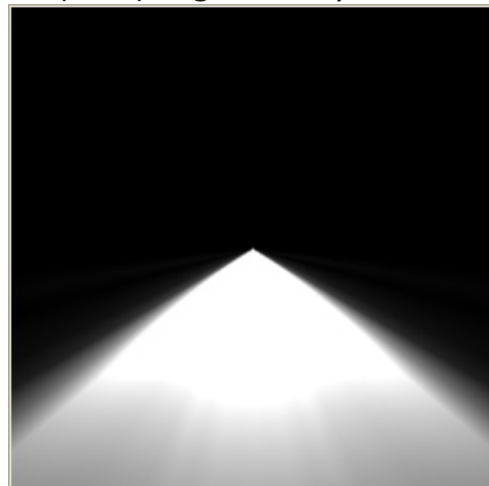
H3V3(40°)/High efficacy LED Source



H5V5(80°)/High efficacy LED Source



H6V6(120°)/High efficacy LED Source

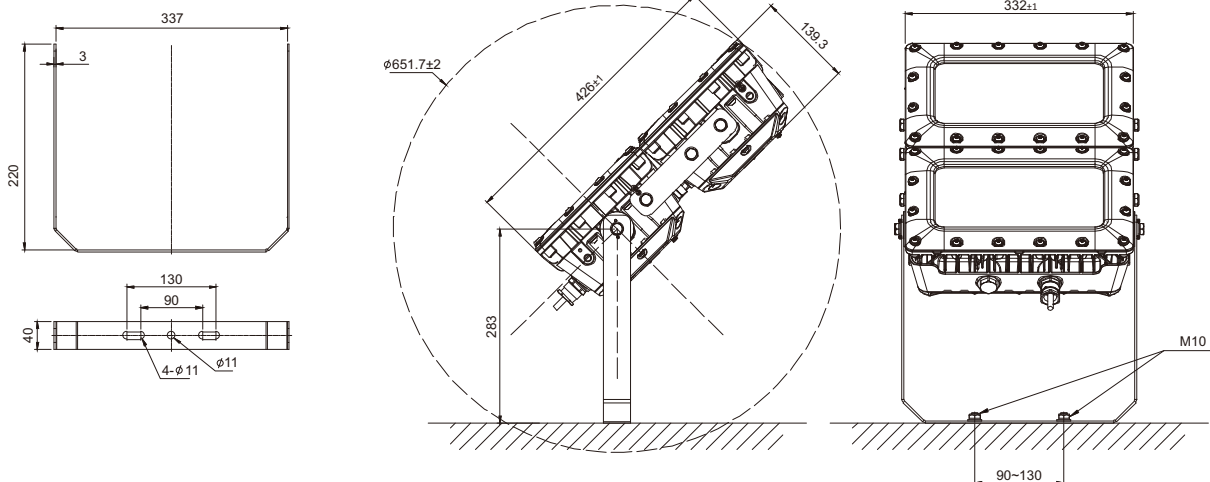


Installation Method

Stanchion mount / Wall mount

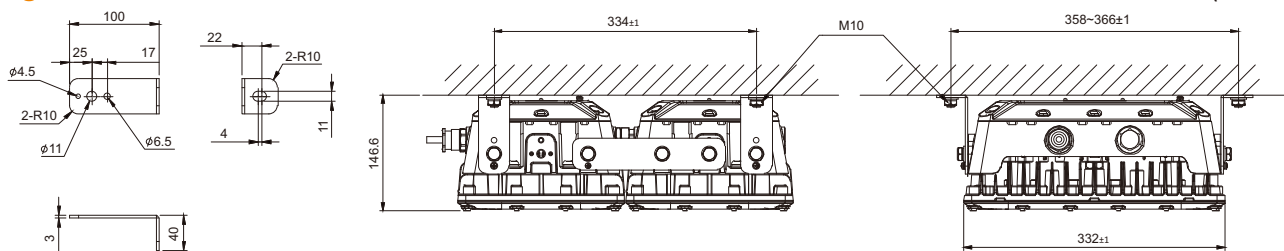
(unit:mm)

180° ROTATION (EVERY 7.5° IS A ROTATION ANGLE),

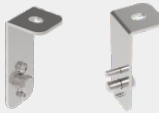
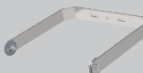


Ceiling Mount:

(unit:mm)



Optional Parts

No.	Installation accessories	Part No.	Picture	Material	Weight(Kg)	QTY	Remark
1	Ceiling bracket	BR-TK-SUS316		SUS316	0.4	2	
2	Stanchion bracket	SBT-TK-2-SUS316		SUS316	1	1	