



LED Explosion Proof Portable Light

ATEX & IECEx Certified LED Portable light in Hazardous Area.

Forest Frog Series

⚡ II 2 G Ex db op is IIC T* Gb

⚡ II 2 D Ex tb op is IIIC T* Db





Features And Benefits:

- High efficacy LED Source with long lifespan >50,000 hours
- 3-year performance warranty
- C/W battery level indicator function
- Robust aluminium housing and strong tempered glass
- Vibration and shock resistant
- Low maintenance

Applications:



Oil & Gas Exploration



Drilling



Oil Refinery



Petrochemical Plant



Power Plant



Pharmaceutical Plant



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LED Portable Light

Standard & Certificate:

Ex Mark:	Gas: II2 G Ex db op is IIC T* Gb Dust: II2 D Ex tb op is IIIC T* Db
Certificate:	• ATEX Certification NO.:EPT 18 ATEX 2977 X • IECEx Certification NO.:IECEx CQM 15.0039X
Executive Standard:	• EN 60079-0:2012 • EN 60079-1:2014 • EN 60079-7:2015 • EN 60079-28:2015 • EN 60079-31:2014 • IEC 60079-0:2011 • IEC 60079-1:2007-04 • IEC 60079-31:2008 • EN 55015:2013 • +A1:2015 • EN 61547:2009 • EN 61000-3-2:2014 • EN 61000-3-3:2013 • EN 60598-1:2015 • EN 60598-2-5:2015 • CE • ABS • RoHS • IEC 62321-4:2013 • +AMD1:2017 • IEC 62321-5:2013 • IEC 62321-6:2015 • IEC 62321-7-1:2015 • IEC 62321-7-2:2017 • IEC 62321-8:2017
Classification:	• Group II Zone 1 & 21 and 2 & 22

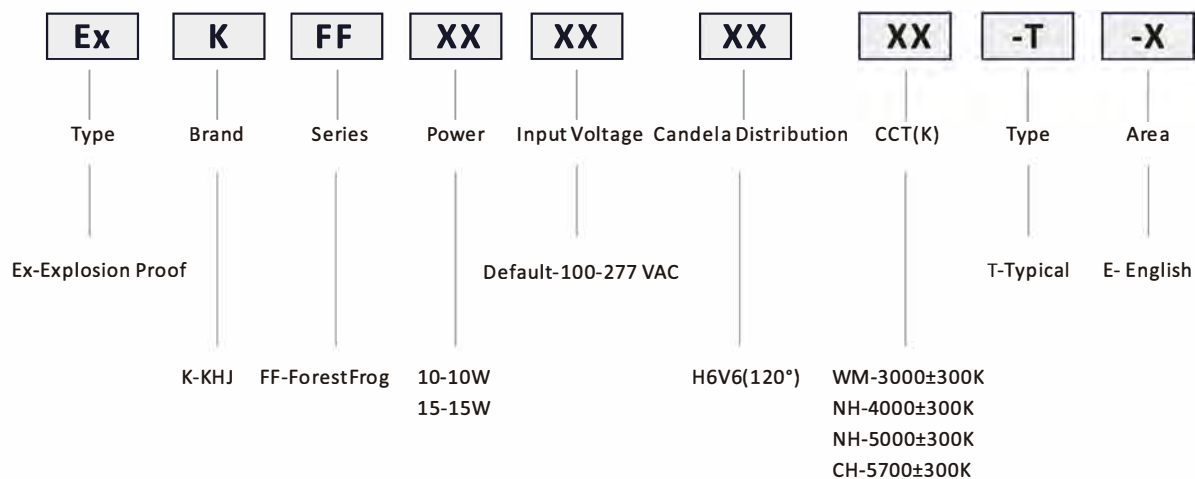
Electrical & Photometric Features

Luminaire Efficacy:	: 134lm/W
Lifespan:	>50,000 hours
Charge Voltage:	100-277 VAC 141-392 VDC
Power:	10W/15W
Battery Capacity:	4.4 Ah
Battery Type:	Lithium battery
Battery Lifespan:	500 cycles
Light Duration:	>10h(10W) >6h(15W)
Charging Time: (after full discharge)	3h
Frequency:	50/60Hz
Insulation Class:	I
LED Driver:	Over voltage protection/short circuit protection

Mechanical Features:

Weight:	6.5Kg(Magnetic)/5.2Kg(Bracket)
Size:	209*198*293mm(Magnetic)/209*236*303mm(Bracket)
Ambient Temperature:	-20°C-+55°C
Earthing Protection:	M4 (Internal & external earth bolts)
IP Code:	IP66
Enclosure Material:	Die-casting aluminium alloy
Enclosure Colour:	Orange,RAL2011
Coating:	Epoxy powder coating
Exposed Fastener:	Stainless steel
Protective Cover:	Tempered glass,Stand 7J impact

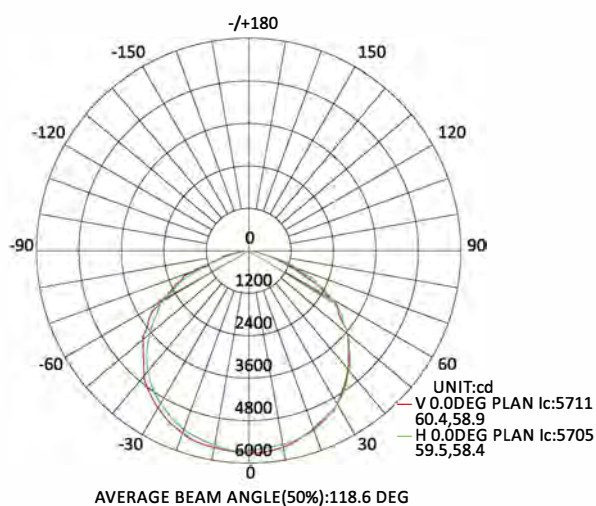
Production Definition



Ordering information

P/N	Operating Voltage(V)	Luminous Flux(lm)	Power(W)	CRI	Color Temp.	CCT(K)	Temp. Classification
							-20℃~+55℃
Ex-KFF10H6V6WM-T-E	100~277 AC (141~392 DC)	1260	10	80	Warm white	3000±300	T6
Ex-KFF10H6V6NH-T-E		1365	10	70	Natural white	4000±300	
Ex-KFF10H6V6NH-T-E		1365	10	70	Natural white	5000±300	
Ex-KFF10H6V6CH-T-E		1365	10	70	Cool white	5700±300	
Ex-KFF15H6V6WM-T-E		1890	15	80	Warm white	3000±300	
Ex-KFF15H6V6NH-T-E		2047	15	70	Natural white	4000±300	
Ex-KFF15H6V6NH-T-E		2047	15	70	Natural white	5000±300	
Ex-KFF15H6V6CH-T-E		2047	15	70	Cool white	5700±300	

Candela Distribution

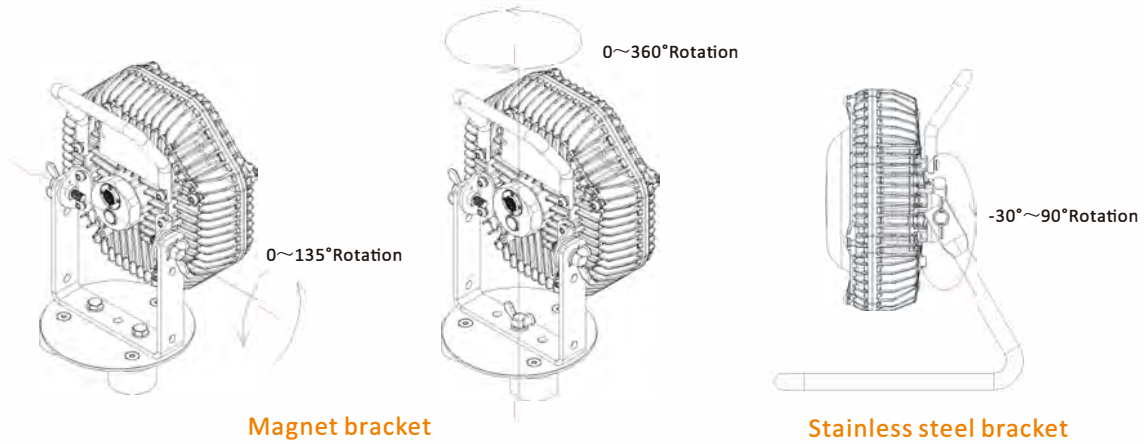


H6V6(120°)/High efficacy LED Source



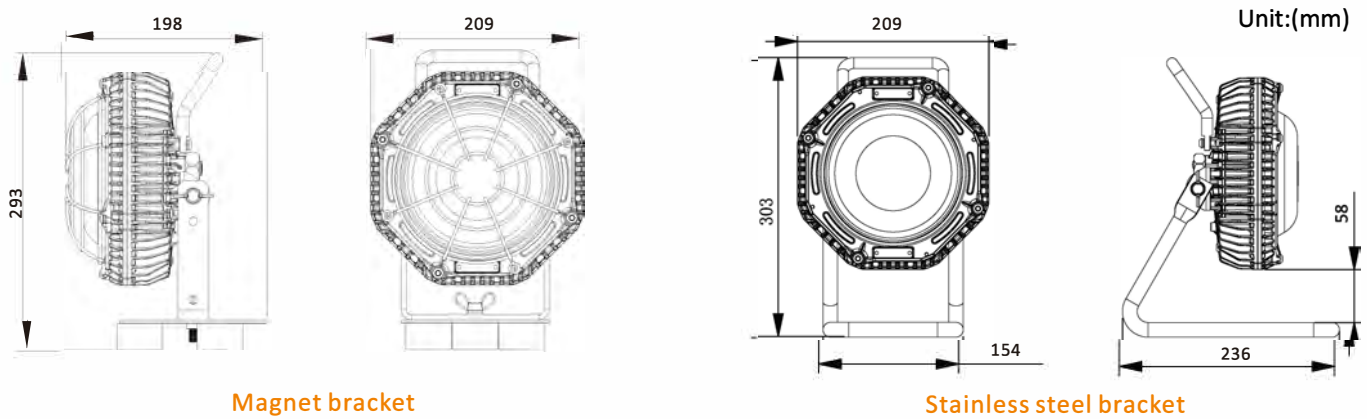
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Installation Method



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

Size



Optional Parts

No.	Installation accessories	Part No.	Picture	Material	Weight(Kg)	QTY	Remark
1	Magnetic Bracket	MB-FF-O		Q235	1.2	1	Magnet bracket
2	Bracket	PB-FF		SUS304	0.56	1	Stainless steel bracket