



LED Explosion Proof Light

**ATEX Certified LED Flood platform light in Hazardous Area.
Firefly Series**

- ⚡ II 2 G Ex db op is IIC T5 or T6 Gb
- ⚡ II 2 D Ex tb op is IIC T95°C or T80°C Db IP66





Features And Benefits:

- High efficacy LED Source with long lifespan >50,000 hours
- 5-year performance warranty
- Low THD around 10%, Less interference
- 5KV Surge Protection
- 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 Flood platform light

Standard & Certificate:

Ex Mark:	Gas:  II 2 G Ex db op is IIC T5 or T6 Gb Dust:  II 2 D Ex tb op is IIIC T95°C or T80°C Db IP66
Certificate:	• ATEX Certification NO.:ECM 19 ATEX-B SU43 • RoHS • CE
Executive Standard:	• EN 60079-0:2018 • EN 60079-1:2014 • EN 60079-7:2015+A1:2018 • EN 60079-11:2012 • EN 60079-18:2015+A1:2017 • EN 60079-28:2015 • EN 60079-31:2014. • IEC 60079-0:2018 • IEC 60079-7:2015+A1:2018
Classification:	• Group II Zone 1 & 21 and 2 & 22

Electrical & Photometric Features:

Luminaire Efficacy:	136.5lm/W
Lifespan:	>50,000 hours
Operating Voltage:	100-277 VAC 141-392 VDC/24 VDC
Power(W):	12W/24W/35W
Frequency:	50/60Hz
Power Factor:	>0.98
THD:	<10%
Insulation Class:	I
Surge Protection:	5KV
LED Driver:	Over voltage protection/short circuit protection

Mechanical Features:

Weight:	2.4Kg(Junction box),2.6Kg(Stanchion junction box)
Size:	φ 136*210mm(Junction box), φ 136*194mm(Stanchion junction box)
Ambient Temperature:	-40°C-+55°C
Connecting Terminals:	3*1.0-4mm ² (L+N+PE)
Cable Entries:	1XNPT 3/4" (M20*1.5, M25*1.5 are optional)
Earthing Protection:	M4 (Internal & external earth bolts)
IP Code:	IP66
Enclosure Material:	Die-casting aluminium alloy
Enclosure Colour:	Orange,RAL2011(optional grey RAL7040)
Coating:	Epoxy powder coating
Exposed Fastener:	Stainless steel
Protective Cover:	Tempered glass,Stand 7J impact



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Production Definition

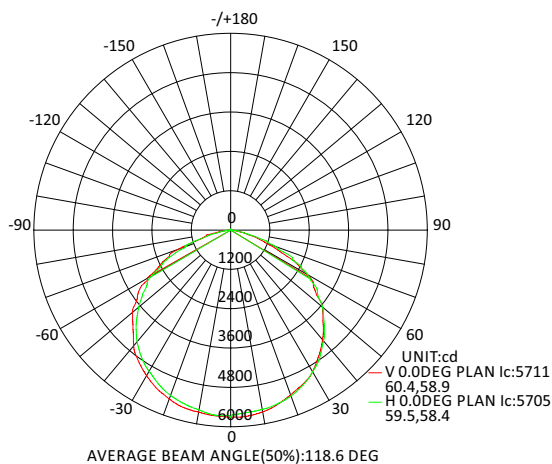
Ex	K	FIF	XX	XX	XX	XX	-X	-X	-X
Type	Brand	Series	Power	Input Voltage	Candela Distribution	CCT(K)	Type	Area	Color
Ex-Explosion Proof				Default-100-277 VAC A-24 VDC			J-Junction box J1-Stanchion junction box	E- English	
	K-KHJ	FIF-FireFly	12-12W 24-24W 35-35W		H6V6(120°)	WM-3000±300K NH-4000±300K NH-5000±300K CH-5700±300K			Default-Orange G-Grey

Ordering Information

P/N	Operating Voltage(V)	Luminous Flux(lm)	Power(W)	CRI	Color Temp.	CCT(K)	Temp. Classification
							-40℃~+55℃
Ex-KFIF12H6V6WM-*-E	100~277 AC (141~392 DC)	1512	12	80	Warm white	3000±300	T6
Ex-KFIF12H6V6NH-*-E		1638	12	70	Natural white	4000±300	
Ex-KFIF12H6V6NH-*-E		1638	12	70	Natural white	5000±300	
Ex-KFIF12H6V6CH-*-E		1638	12	70	Cool white	5700±300	
Ex-KFIF24H6V6WM-*-E		3024	24	80	Warm white	3000±300	
Ex-KFIF24H6V6NH-*-E		3276	24	70	Natural white	4000±300	
Ex-KFIF24H6V6NH-*-E		3276	24	70	Natural white	5000±300	
Ex-KFIF24H6V6CH-*-E		3276	24	70	Cool white	5700±300	
Ex-KFIF35H6V6WM-*-E		4410	35	80	Warm white	3000±300	T5
Ex-KFIF35H6V6NH-*-E		4778	35	70	Natural white	4000±300	
Ex-KFIF35H6V6NH-*-E		4778	35	70	Natural white	5000±300	
Ex-KFIF35H6V6CH-*-E		4778	35	70	Cool white	5700±300	

Remarks: *Stands for product type, including J, J1

Candela Distribution



H6V6(120°)/High efficacy LED Source

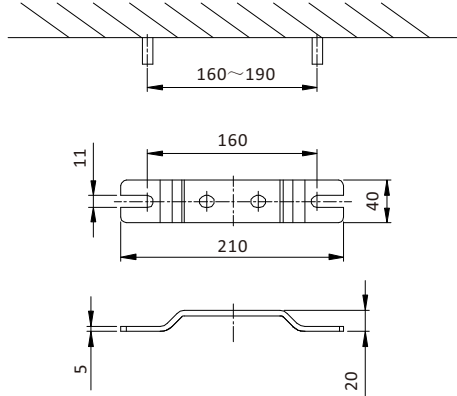




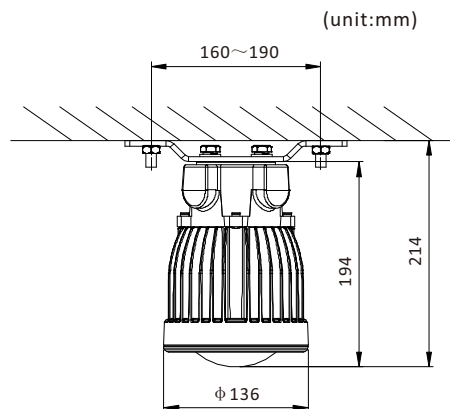
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Installation Method

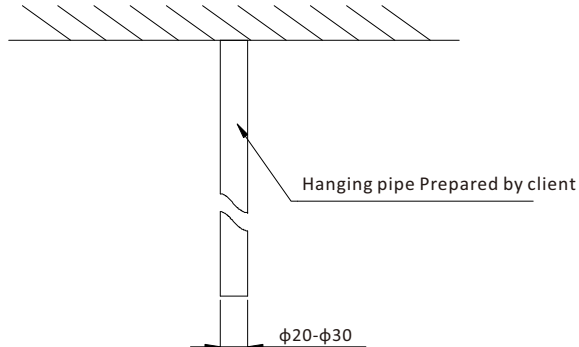
Ceiling Mount:



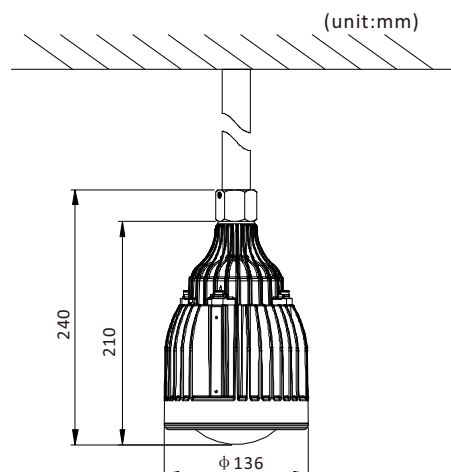
BR-FIF-O/G



Pipe Mount:



PCR-FF



Optional Parts

No.	Installation accessories	Part No.	Picture	Material	Weight(Kg)	QTY	Remark
1	Bracket	BR-FIF-O/G		Q235	0.4	1	Ceiling mount
2	Pipe connector	PCR-FF-N PCR-FF-M		SUS304	0.28	1	Pipe mount