



LED Explosion Proof Light

**ATEX & IECEx Certified LED Floodlight in Hazardous Area.
Arowana Series**

⚡ II 2 G Ex d IIB T6 Gb

⚡ II 2 D Ex tb IIIC 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 Floodlight

Standard & Certificate:

Ex Mark:	Gas: ⚠ II 2 G Ex d IIB T6 Gb Dust: ⚠ II 2 D Ex tb IIIC T80°C Db IP66
Certificate:	• ATEX Certification NO.: LCIE 12 ATEX 3069X/01 • CE • IECEx Certification NO.: IECEx CQM 12.0034X • RoHS
Executive Standard:	• (IEC)EN 60079-0, (IEC)EN 60079-1, (IEC)EN 60079-31 • EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3, • EN 60598-1, EN 60598-2-5, EN 62031, EN 62493, • IEC 62321-4, IEC 62321-5, IEC 62321-6, IEC 62321-7-1, • IEC 62321-7-2, IEC 62321-8
Classification:	• Group II Zone 1 & 21 and 2 & 22

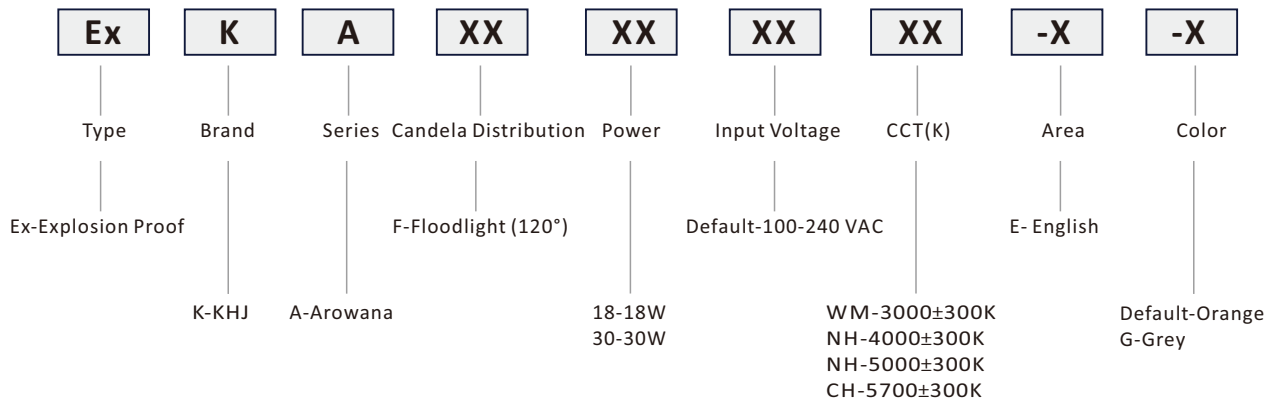
Electrical & Photometric Features:

Luminaire Efficacy:	147lm/W
Lifespan:	>50,000 hours
Operating Voltage:	100-240 VAC 141-339 VDC
Power:	18W/30W
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:	5Kg
Size:	480*180*62mm
Ambient Temperature:	-40°C~+55°C
Connecting Terminals:	3*1.0-4.0mm ² (L+N+PE)
Cable Entries:	2XNPT 3/4" (M25*1.5 is 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

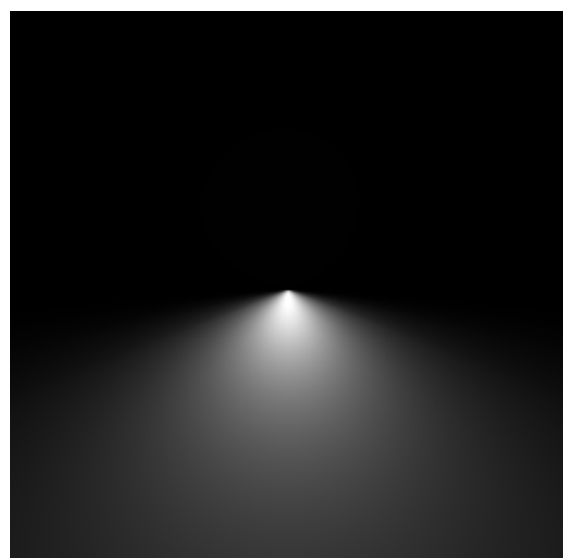
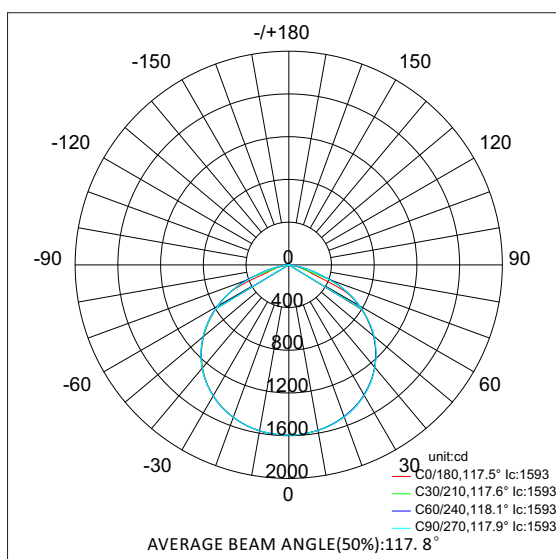
Production Definition



Ordering Information

P/N	Operating Voltage(V)	Luminous Flux(lm)	Power(W)	CRI	Color Temp.	CCT(K)	Temp. Classification
Ex-KAF18WM-E	100~240 AC (141~339 DC)	2376	18	70	Warm white	3000±300	T6
Ex-KAF18NH-E		2520	18	70	Natural white	4000±300	T6
Ex-KAF18NH-E		2520	18	70	Natural white	5000±300	T6
Ex-KAF18CH-E		2520	18	70	Cool white	5700±300	T6
Ex-KAF30WM-E		3960	30	70	Warm white	3000±300	T6
Ex-KAF30NH-E		4410	30	70	Natural white	4000±300	T6
Ex-KAF30NH-E		4410	30	70	Natural white	5000±300	T6
Ex-KAF30CH-E		4410	30	70	Cool white	5700±300	T6

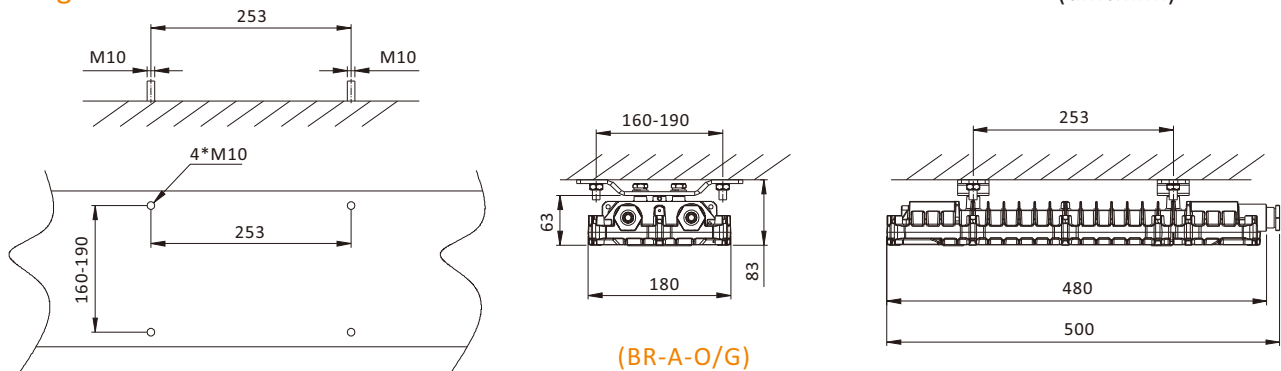
Candela Distribution



Installation Method

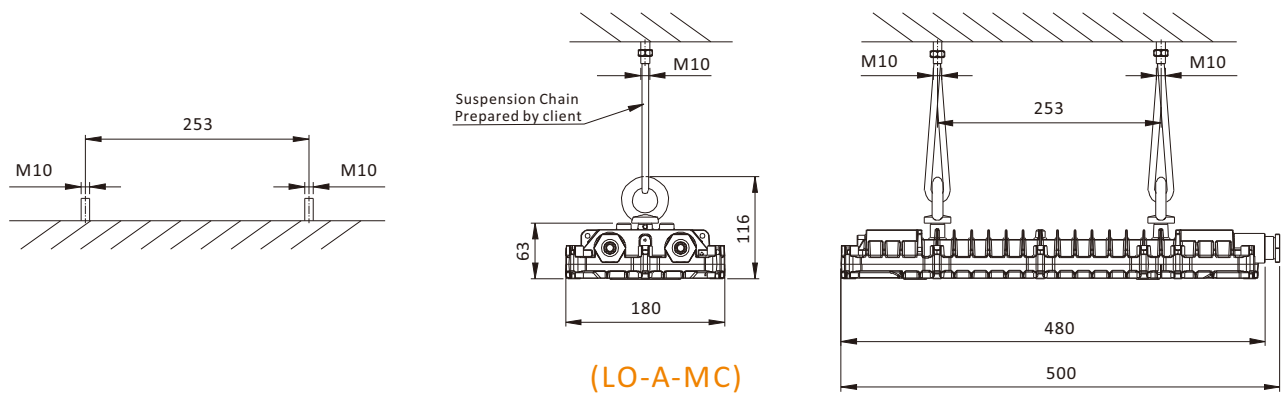
Ceiling mount:

(unit:mm)



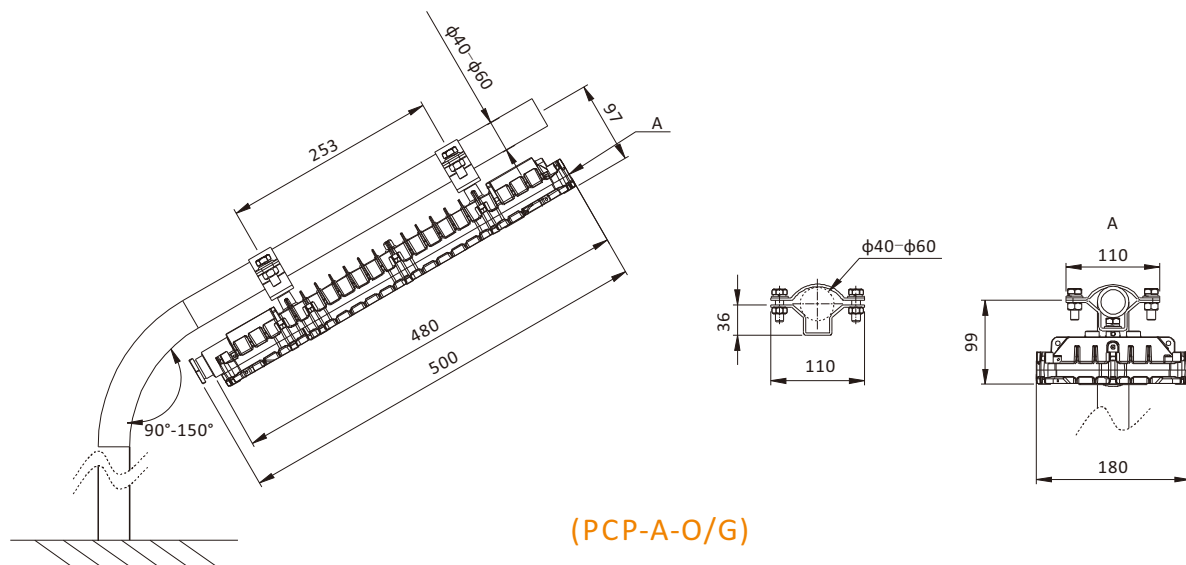
Pendant mount:

(unit:mm)

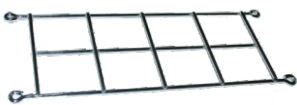


Pipe mount:

(unit:mm)



Optional Parts

No.	Installation accessories	Part No.	Picture	Material	Weight(Kg)	QTY	Remark
1	Bracket	BR-A-O/G		Q235	0.4	2	Ceiling mount
2	Pipe Clamp	PCP-A-O/G		Q235	0.27	2	Pipe mount
3	Guard	GU-A-MC		SUS304	0.1	1	/
4	Loop	LO-A-MC		SUS316	0.1	2	Pendant mount

