

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 • IECEx Certification NO.: IECEx CQM 12.0034X
Executive Standard:	• IEC 60079-0:2007 • IEC 60079-1:2007 • IEC 60079-31:2008 • IEC 62321:2008 • EN 60598-2-5:1998 • EN 60598-1:2008 • EN 60598-1:2009 • EN 60079-0:2009 • EN 60079-1:2007 • EN 60079-31:2009 • EN 55015:2013 • EN 61547:2009 • EN 61000-3-2:2006 • EN 61000-3-3:2013 • EN 61000-3-3:2013 • EPA3050B:1996 • EN1122B:2001 • EPA3052:1996 • EPA3060A:1996 • EPA7196A:1992 • EPA3540C:1996 • EPA8270D:2007
Classification:	• Group II Zone 1 & 21 and 2 & 22

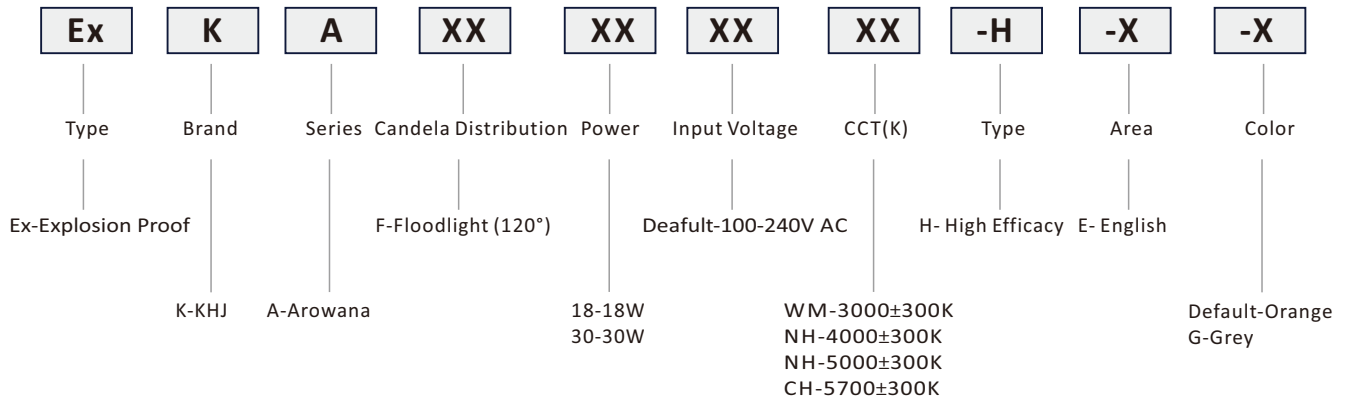
Electrical & Photometric Features:

Luminaire Efficacy:	140 lm/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*1.0-4mm ² (L+N+PE)
Available cable outer diameter:	φ7-φ14(mm)
Cable Entries:	2XNPT 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

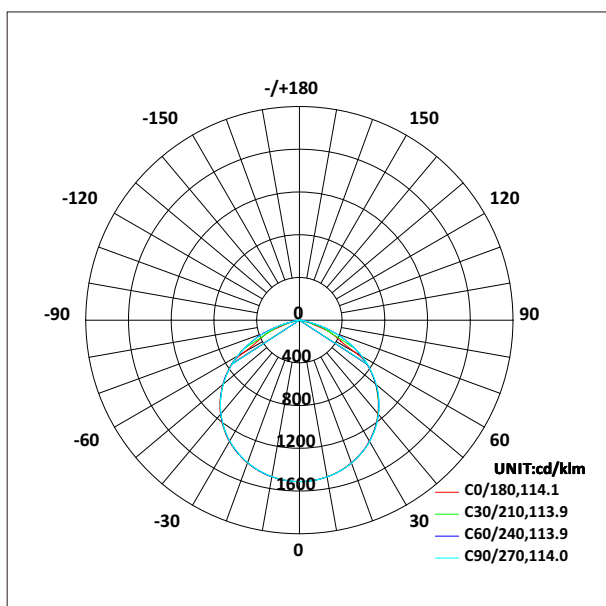
Production Definition



Ordering Information

P/N	Operating Voltage(V)	Luminous Flux(lm)	Power(W)	CRI	Color Temp.	CCT(K)	Temp. Classification
Ex-KAF18WM-H-E	100~240 AC (141~339 DC)	2268	18	70	Warm white	3000±300	T6
Ex-KAF18NH-H-E		2520	18	70	Natural white	4000±300	T6
Ex-KAF18NH-H-E		2520	18	70	Natural white	5000±300	T6
Ex-KAF18CH-H-E		2520	18	70	Cool white	5700±300	T6
Ex-KAF30WM-H-E		3780	30	70	Warm white	3000±300	T6
Ex-KAF30NH-H-E		4200	30	70	Natural white	4000±300	T6
Ex-KAF30NH-H-E		4200	30	70	Natural white	5000±300	T6
Ex-KAF30CH-H-E		4200	30	70	Cool white	5700±300	T6

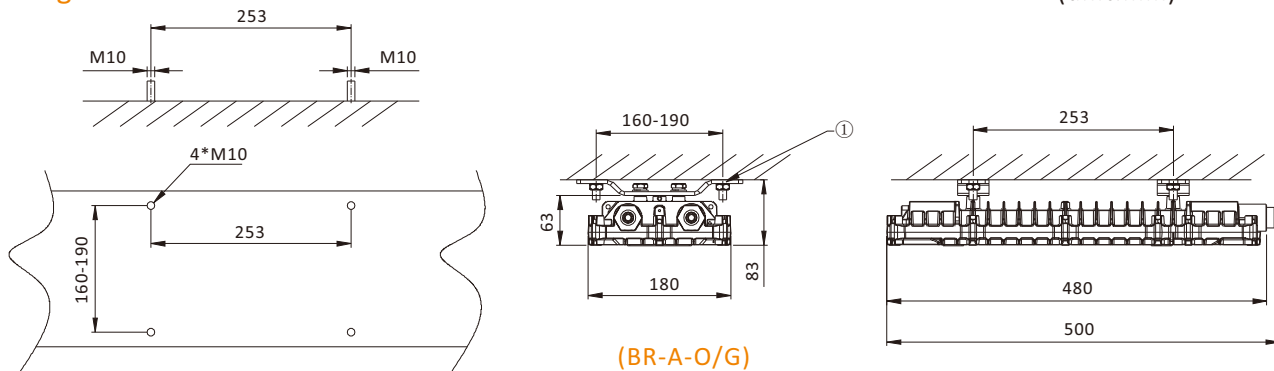
Candela Distribution



Installation Method

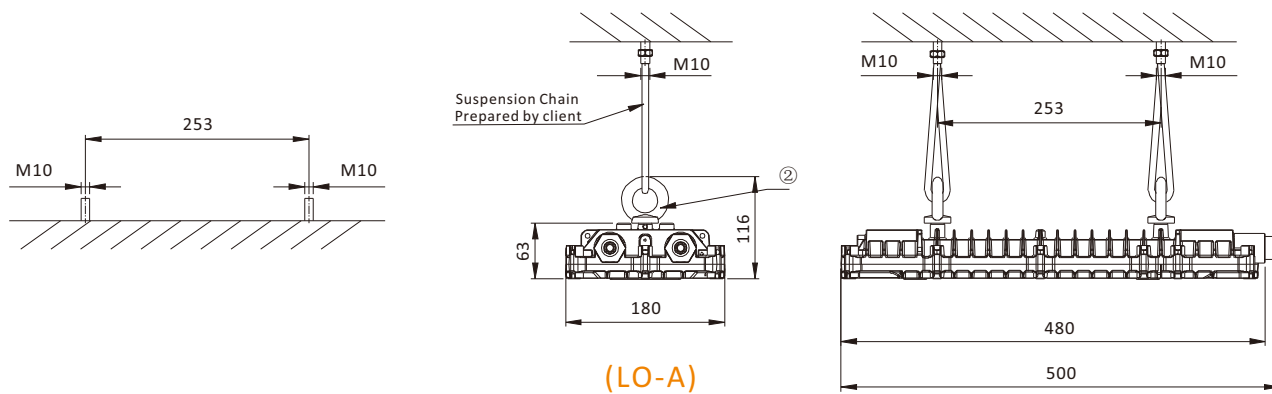
Ceiling mount:

(unit:mm)



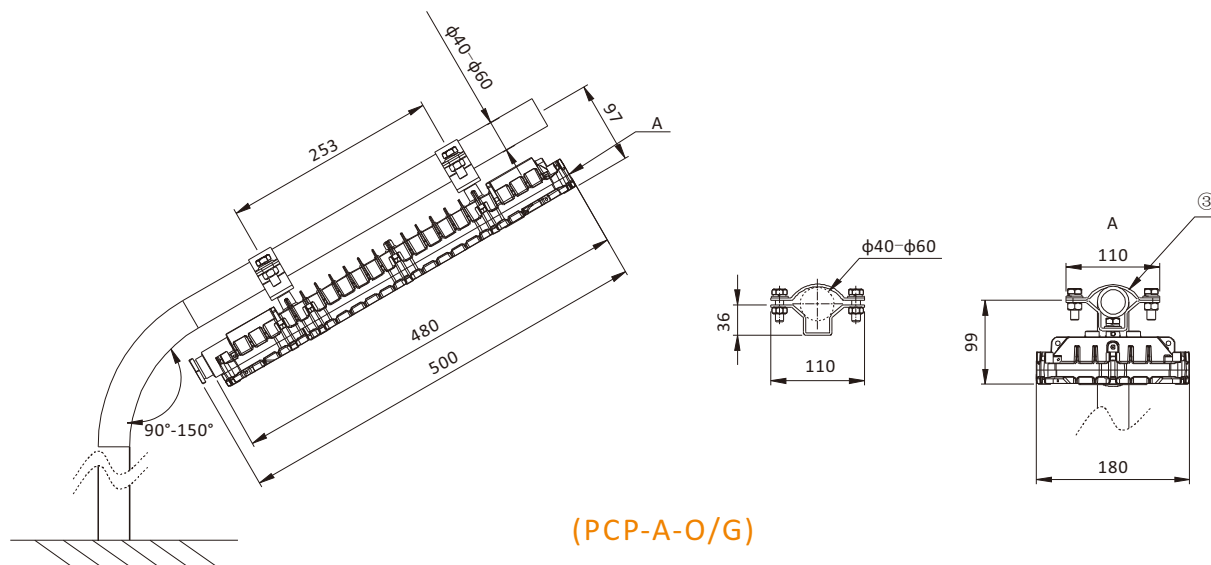
Pendant mount:

(unit:mm)



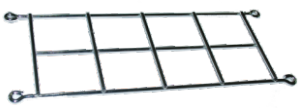
Pipe mount:

(unit:mm)



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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		SUS304	0.1	1	/
4	Loop	LO-A		45#	0.1	2	Pendant mount

