

Alcidae Series



LED Explosion proof Torch Light

Ex Marking: II 2 G Ex ib IIC T4 Gb
II 2 D Ex ib IIIC T130°C Db IP68
ATEX Certificate No.: TÜV 15 ATEX 7713 X

★ INTRODUCTION

Features And Benefits

1. High efficacy LED source , long lifespan , maintenance free.
2. High-strength aluminum alloy enclosure is smoothly sculpted for a comfortable and secure grip , extreme resistance to abrasion and corrosion, IP68.
3. High quality tempered glass with excellent light transmittance.
4. Designed with advanced optical principle , making visual distance up to 200m.
5. Three stages click-type switch: high output , working output , and flashing light.
6. Constant current ensures brightness stability
7. Lithium batteries : large power capacity , long lifespan.
8. Life span > 50,000 hours.

Application:

1. Petroleum Industry, Petrochemical Industry, Metallurgical Industry, Power Generation Industry, Power Transmission Industry, Railway Industry, Public Security and Fire Fighting, etc.
2. Petroleum and petrochemical, aircraft, military, outdoors, indoors, portable emergency kits.

Division:

- ATEX Zone 1 & 21 and 2 & 22

Certifications and Ratings:

- II 2 G Ex ib IIC T4 Gb
- II 2 D Ex ib IIIC T130°C Db IP68
- ATEX Compliant
- CE Compliant
- RoHS Compliant
- IP 68



Executive standard:

- IEC 60079-0:2007
- IEC 60079-11:2006
- EN 60079-0:2007
- EN 60079-11:2007
- EN 60598-1:2008+A11:2009
- EN 55015:2013
- IEC 62321:2008

★ CHARACTERISTIC DETAILS



Three stages Click-type switch : high output, working output, and flashing light.



Lithium batteries: large power capacity, long lifespan.

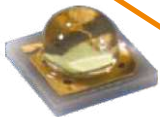


Designed with advanced Optical Principles, making visual distance up to 200m.



High-strength aluminum alloy housing is smoothly sculpted for a comfortable and secure grip, extreme resistance to abrasion and corrosion, IP68.

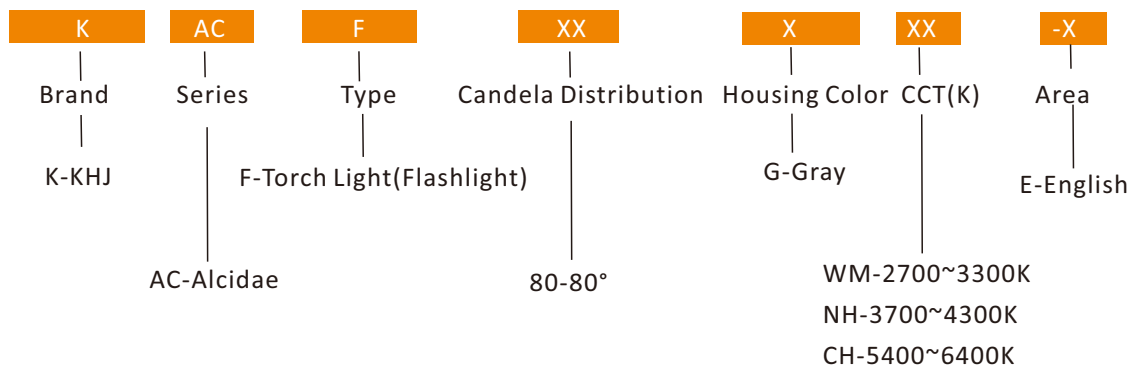
High efficacy LED source, high lumen output.



Mounting holder for safety helmet.

★ PERFORMANCE PARAMETER

Electrical Parameter



Electrical Parameter

Product type	Rated input voltage(V)	Rated battery capacity(Ah)	Light Duration(hr)		Battery charging time(h)	Battery lifespan	Flashing frequency(Hz)
			High output	Normal output			
KACF80	3.7	2.2	≥9	≥18	6	300(cycles)	5

Photometric Parameter

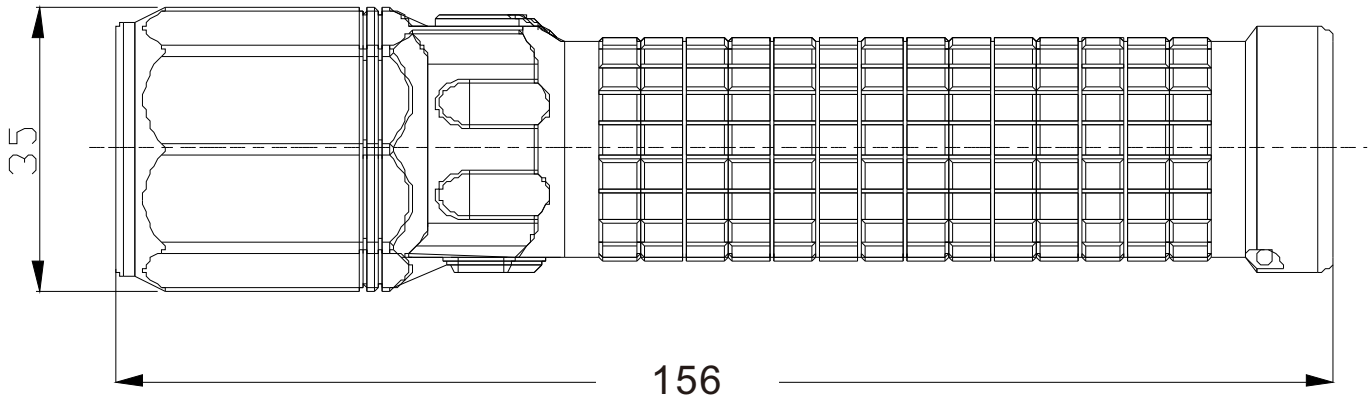
Product type	P/N	Color temp.	CCT(K)	CRI	Luminous flux(lm)	Spotlight beam angle(°)	Floodlight beam angle(°)
KACF80	KACF80GWM-E	Warm white	2700~ 3300	82	129	10	80
	KACF80GNH-E	Natural white	3700~ 4300	70	157		
	KACF80GCH-E	Cool white	5400~ 6400	70	157		

Other Parameter




Product type	Size(mm)	Weight (Kg)	Ambient temp.(°C)	IP code	Temp.classification	Insulation	Color
KACF80	φ35*156	0.19	-20~ +55	IP 68	T4	I	Gray

★ SIZE

Size(unit:mm)



Accessories

NO.	Name	Picture	Weight(Kg)	QTY
1	Carcharger		0.12	1
2	Charger		0.06	1
3	Mounting holder		0.04	1

★ SERVICE

Caution

- 1.To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.
- 2.To avoid electric shock:
Be certain electrical power is OFF before and during installation and maintenance.
- 3.To avoid explosion:
 - 1)Make sure the supply voltage is the same as the luminaire voltage.
 - 2)Do not install where the marked operating temperatures exceed the ignition temperature of the hazardous atmosphere.
 - 3)Do not operate in ambient temperatures above those indicated on the luminaire nameplate.
 - 4)All gasket seals must be clean.
 - 5)Before opening, electrical power to the luminaire must be turned off. Keep tightly closed when in operation.

Package Check

1. Check the carton and all the components according to the packing list.
2. Make sure the product is in good conditions.

Transportation

Please keep this product from heavy mechanical shock, exposure to strong sunshine, throwing, rolling and stress during transport.

Storage:

Kept in dry, clean and well-ventilated, non-corrosive medium warehouse, the storage temperature should be -20°C to 80°C

After-sales service

Installation and maintenance must be according to the instruction.
If customer can not deal with it by themselves, please contact with sales department.

Contact

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