



Alcidae Series



KHJ-Safety Lighting Group II Zone I

V2.0

★ Explosion Proof Portable LED Torch Light

★ INTRODUCTION



Features and benefits

1. Made of top famous LED source Cree/Osram, high efficacy, long lifespan, maintenance free.
2. High-strength aluminum alloy housing is smoothly sculpted for a comfortable and secure grip, is hard anodized according to military standard for extreme resistance to abrasion and corrosion, IP68(30m).
3. High quality tempered glass with excellent light transmittance.
4. Comply with Ex ib IIC T4, IEC60079-11, EN60079-11.
5. Designed with advanced optical principles, making visual distance up to 200m.
6. Three stages click-type switch : high output, working output, and flashing light.
7. Constant current make sure of brightness stability
8. Lithium batteries: high power capacity, long lifespan, wide temperature tolerance and built-in heat/fault protection

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.
3. Group II Zone I.



Executive standard

1. IEC 60079-0-2007 Explosive atmospheres - Part 0: Equipment - General requirements
2. EN 60079-11-2007 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
3. IEC 60598-1:2008 Luminaires - Part 1: General requirements and tests
4. IEC60529:2001 Degrees of protection provided by enclosures(IP Code)



★ CHARACTERISTIC DETAILS



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



Lithium batteries: high power capacity, long lifespan, wide temperature tolerance and built-in heat/fault protection.



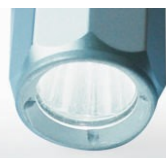
Designed with advanced Optical Principles, making visual distance up to 200m.



High-strength aluminum alloy housing is smoothly sculpted for a comfortable and secure grip, is hard anodized according to military standard for extreme resistance to abrasion and corrosion, IP68(30m).



Made of top famous LED source Cree/Osram, high efficacy, long lifespan, maintenance free.



Octagon anti-rolling structure, anti-sliding and easy grip light body, portable design, easy installation

CHARACTERISTIC DETAILS

★ PERFORMANCE PARAMETER



Electrical Parameters

Product Type	Rated Input Voltage (V)	Rated Battery Capacity (Ah)	Battery Working Time (h)		Battery Charging Time (h)	Battery Lifespan	Flashing Frequency (Hz)
			High output	Work Light			
KACF80	3.7	2.2	≥9	≥18	6	300 (times)	5
KACF180	3.7	2.2	≥9	≥18	6	300 (times)	5

Photometric Parameters

Product Type	P/N	Colour Temp.	CCT(K)	CRI	Luminous Flux(lm)	Spotlight Beam Angle	Floodlight Beam Angle
KACF80	KACF80GWM	Warm white	2800~3300	82	118	10	80
	KACF80GCH	Cool white	6000~7100	70	143		
KACF180	KACF180SWM	Warm white	2800~3300	82	118	10	180
	KACF180SCH	Cool white	6000~7100	70	143		

Spotlight Illumination

Product Type	P/N	Colour Temp.	Beam Angle (°)	Switch	1m		5m		10m	
					Illumination (lx)	Beam diameter (m)	Illumination (lx)	Beam diameter (m)	Illumination (lx)	Beam diameter (m)
KACF80	KACF80GWM	Warm white	10	High output	3194	0.1	132	0.5	43	1
				Working light	970		42		12	
	KACF80GCH	Cool white	10	High output	5700		245		64	
				Working light	2060		88		22	
KACF180	KACF180SWM	Warm white	10	High output	3194		132		43	
				Working light	970		42		12	
	KACF180SCH	Cool white	10	High output	5700		245		64	
				Working light	2060		88		22	

★ PERFORMANCE PARAMETER



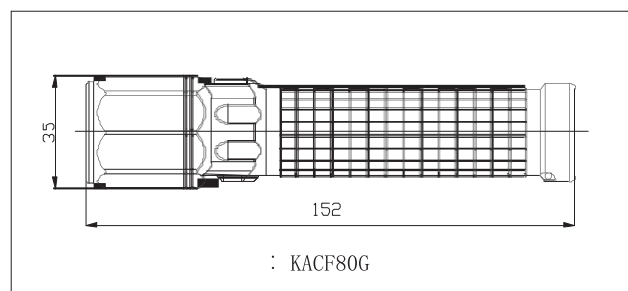
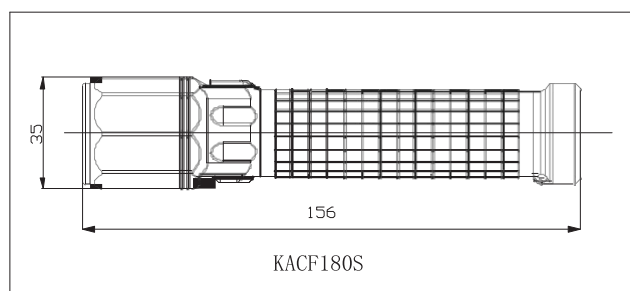
Other Parameters

Product Type	Size (mm)	Weight (Kg)	Ambient Temp.(°C)	IP Code	Insulation	Colour
KACF80	φ35×156	0.19	-20~40	IP68(30m)		coffee
KACF180	φ35×156	0.19	-20~40	IP68(30m)		silvery

★ Size





: KACF180S



★ ACCESSORIES



NO.	Name	Picture	Weight (Kgs)	QTY
1	Car charger		0.12	1
2	Charger		0.06	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.
Luminaire must be supplied by a wiring system with an equipment grounding conductor.
- 3.To avoid burning hands:
Make sure lens and housing are cool when performing maintenance.
- 4.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)Use proper supply wiring as specified on the luminaire nameplate. 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:

Keep in dry, clean and well-ventilated, non-corrosive medium warehouse, the ambient temperature should be -40 °C to 55 °C.

After-sales service

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

Contact

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