



LED Explosion Proof Portable Light

ATEX Certified LED Portable light in Hazardous Area.

Alcidae Series

⚡ II 2 G Ex ib IIC T4 Gb

⚡ II 2 D Ex ib IIIC T130°C Db IP68





Features And Benefits:

- High efficacy LED Source with long lifespan, L70 > 100,000 hours @ 25°C ambient
- 3-year performance warranty
- C/W battery level indicator function
- Designed with advanced optical principle ,making visual distance up to 200m
- Extreme resistance to abrasion and corrosion,IP68
- can be used for SOS
- Low maintenance

Applications:



Oil&Gas Exploration



Drilling



Oil Refinery



Petrochemical Plant



Power Plant



Pharmaceutical Plant



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LED Portable Light

Standard & Certificate:

Ex Mark:	Gas:  II 2 G Ex ib IIC T4 Gb Dust:  II 2 D Ex ib IIC T130°C Db IP68
Certificate:	• ATEX Certification NO.:TÜV 15 ATEX 7713X • RoHS • CE
Executive Standard:	• (IEC)EN 60079-0, (IEC)EN 60079-11 • 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:	110lm/W
Illuminance:	Front 320 lx(5m)
	Back 150 lx(1m)
Lifespan:	>100,000 hours
Charge Voltage:	100-240VAC 141-339 VDC
Power:	2.52W
Battery Capacity:	2.2 Ah
Battery Type:	Lithium battery
Battery Lifespan:	300 cycles
Light Duration:	>9h(High output) >18h(Normal output)
Charging Time: (after full discharge)	2~3h
Frequency:	50/60Hz
Insulation Class:	I
LED Driver:	Over voltage protection/short circuit protection

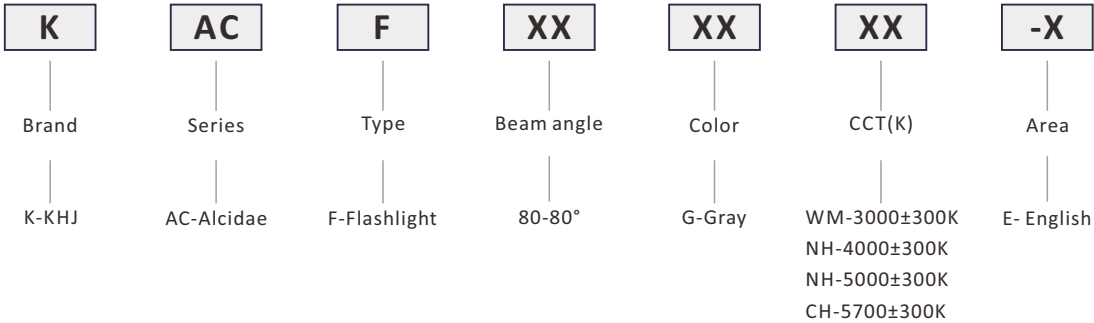
Mechanical Features:

Weight:	0.19Kg
Size:	φ35*156mm
Ambient Temperature:	-20°C~+55°C
IP Code:	IP68(3m)
Enclosure Material:	Aluminium alloy



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Production Definition



Ordering Information

P/N	Charge Voltage(V)	Luminous Flux(lm)	Power(W)	CRI	Color Temp.	CCT(K)	Beam angle(°)		Temp. Classification
							Spotlight	Floodlight	
KACF80GWM-E	100~240AC (141~339 DC)	227	2.52	80	Warm white	3000±300	10	80	T4
KACF80GNH-E		277	2.52	70	Natural white	4000±300			
KACF80GNH-E		277	2.52	70	Natural white	5000±300			
KACF80GCH-E		277	2.52	70	Cool white	5700±300			

Size

