

Hand-free Personal Lighting Solution for fire-fighters and rescuers



Bright LED lighting
Lithium rechargeable battery
Rugged IP67 case for waterproof/dustproof
Zero cost maintenance
Multiple applications

KH2B-Ex: 10-LED Broad-Beam Model

This 10-LED model has no any concave reflectors so a wide beam is generated without any concentration. It operates in either 1-LED or 7-LEDs for different brightness and duration. It is suitable for high demanding peripheral illuminations.



KH2M-Ex: 7-LED Low Cost model

Every LED has an individual concave reflector so a well focused beam can be achieved. It operates in either 1-LED or 7-LEDs for different brightness and duration. It weights only 110g. It also features a longer operation and low cost suitable for various industrial applications when both focused beam and low cost are demanded.

KH3S-Ex: High Power Model

A high power LED operates in three operating modes for general, high-beam and auxiliary illuminations. The focused beam can reach up to 5000cd in the high-beam mode and the operating period is 14 hour in the main mode. It is suitable for high light demanding portable illumination in severe environments.



KH3RC-Ex: Rescue model with Rear Beacon

This model integrates a red LED beacon into a cordless caplamp to achieve both normal illumination in front and a flashing warning button in red on the back. The illumination LED operates at either Main level for normal use or Emergency level for conservation of power. The warning beacon utilises 7 red LEDs behind a red scattering cover to enable wide angle viewing. It also can be worn in a side of the helmet using our side-worn bracket kits.

Other Models of I.S. Helmet Lamp/Torch Series

KH2S-Ex: Single LED lightweight model; **KH4S-Ex:** High battery capacity model; **KH3VS-Ex:** Vehicle Safety Model; **KH3TP-Ex:** Portable traffic control model.

How to use

Helmet Lamp: Worn on any helmet using our *Cap Strap*, or fitted in the lamp bracket on a miner's helmet.

Head Lamp: Worn on the head directly by removing 4 *Cap Hooks* on the *Cap Strap*.

Mini-Torch: Just used as a torch or signal light, easily carried in your pocket or on your belt.

Portable Lamp: Clamped to an object or magnetically attached to a metal using our *Magnetic Lamp Bracket Clamp*, worn on the belt using our *Belt Worn Lamp Bracket*, or fixed to a location using our *Lamp Bracket*.

Others: Various accessories available for other ways to wear or mount the lamp, such as *Bar Bracket*, *Strap Bracket*, *Handle & Pocket Bracket*, *Tripod Bracket*, *Wrist Strap* and *Lamp Cluster*.

Portable safety lamp



KSH2xy-Ex: Multi-functional Portable Safety

This model is a very flexible portable safety lamp with two colours to choose from. "x y" specifies colours. Default type is KSH2rb-Ex in Red and Blue; but you can specify other colors in orders using "x y". There are 5 operating modes available in different colours, patterns and LED



Charging facilities

Mains Charger: Charge the lamp from a Mains outlet (*standard accessory in every package except KH3E-Ex*)

Vehicle Charger: Charge the lamp from the cigarette lighter in a car or truck (*12/24VDC*).

Charging Banks: Three models available to charge 8, 36 or 52 lamps together from different powers.

CB8B: 8-Unit Dual Power Charging Bank

CB8B are 8-unit dual power charging facilities which can charge up to 8 lamps together with either 240V AC mains power or via the cigarette lighter in any vehicle with 12/24V DC vehicle power. You can also power the CB8B with your own 12~24V DC power supply >30W. The automatic over-load protection function in each charging unit will cut off the charging circuit when the lamp is fully charged and therefore you never need to intervene in the charging process once you start it.

CB8B can be installed in fire-fighting and rescue truck. The lamps can be charged from the cigarette lighter in the truck. Back at the base, it can be connected to the mains power to charge the lamps and also keep the lamps in stand-by state.



Specifications

Charging time:	7~8 hours
Battery:	3.7 V; 2~4 AH, depending on model
Battery lifetime:	80%C after 500 full charging cycles
LED lifetime:	30,000 hours
Weight:	105~140g, depending on model
IP Rating:	IP67
Warranty:	1 year replacement

Certification



IP67

Standards

General Ex Standard: IEC66079-0

Intrinsically Safe Standard: IEC66079-11

Ingress Protection Standard: AS60529

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