

IECEX & ANZEx Certified **Intrinsically Safe** Helmet Lamp Series



Zones 0, 1, 2; Gas Groups IIA, IIB, IIC; Temperature Classes T1~T3



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 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.



KSH2xy-Ex: Multi-functional Portable Safety Lamp

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



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*.

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.

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

Other Intrinsically Safe Products

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

KH2S-Ex: Single LED model; **KH4S-Ex:** High battery capacity model; **KH3VS-Ex:** Vehicle Safety Model;

KH3TP-Ex: Portable traffic control model.

MSHD3AA: Energizer Headlight (Ex Code: Ex ia IIC T4)

The MSHD3AA is ideal for work in harsh conditions. The light is water resistant, dustproof and survives a 4 meter drop. It is built to take tough conditions on the job and provides a dependable hands free lighting solution. Four lighting modes are controlled by two easy to operate push button switches. The light pivots to direct the beam where you need it; and the comfortable, adjustable head band stays where you put it, whether on your head or on the hard hat .



MS2DLED/MS2ALED: Torches (Ex Code: Ex ia IIC T4)

LED professional torch is designed and constructed to provide superior performance and to meet the highest safety standards. Capitalizing on LED technology, this range of torches provides maximum visibility, rugged durability, long run time and most importantly, safety in hazardous environment. No compromising on quality. No compromising on safety.



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