

**Ex ia IIB T4 Gb IP67**

KH2B-Ex is a lightweight model of the Helmet Lamp and Torch series in 10-LEDs. There are no concave reflectors so a wide beam is generated without any concentration. It is suitable for high demanding peripheral illuminations.

**LED lighting  
IP67 Water-proof  
Rechargeable battery  
Multiple applications  
Mining quality &  
performance**

## OPERATIONS

There are two operating modes: 6 or 10 LEDs on for different brightness and duration. Pressing the button to toggle through 10-LED, 6-LEDs and turning off.

## FEATURES

- ▲ High light output and long operating period in mining level;
- ▲ Adjustable angle to point wherever you see, near or far ---- to read and write, repair equipment or check the pipes, significantly reducing dead corners
- ▲ Fully integrated and sealed structure designed for the harshest underground mining environment and outdoor applications;
- ▲ IP67 housing for submersible water-protection and the highest dust-protection;
- ▲ Separate light and Cap Strap to use the lamp as not only a helmet lamp and head lamp, but also a mini-torch and portable lamp;
- ▲ Various accessories available for different ways to wear, mount or attach;
- ▲ Various single chargers and charging banks available in different power input and charging units;
- ▲ Easy to charge. Strong protection from over voltage, over current, over charge and over discharge;
- ▲ Negligible running cost because of rechargeable battery and free of maintenance.



### 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*)

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

**Charging Banks:** Three models available to charge 8, 35 or 53 lamps together from different powers.

### SPECIFICATIONS

Luminous intensity:	1000 cd
Charging time:	7 hours
Battery capacity:	2 AH
Voltage:	3.7V
Battery lifetime:	80%C after 500 full charging cycles
LED lifetime:	30,000 hours
Weight:	110 g
Enclosure:	IP67
Warranty:	1 year replacement

### CERTIFICATION

**Intrinsically Safe**



**IP67**

Ex Code: Ex ia IIB T4 Gb IP67

Certificate #: IECEx TSA 10.0006X

Standards: General Ex Standard: IEC60079-0

Intrinsically Safe Standard: IEC60079-11

Ingress Protection Standard: AS60529