

**Ex ia IIC T3 IP67**

KH2M-Ex is a lightweight model of the Helmet Lamp and Torch series in 7-LEDs. Every LED has an individual concave reflector so a well focused beam can be achieved. It also features a longer operation and low cost suitable for various industrial applications when both focused beam and low cost are demanded.

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

OPERATIONS

Operating Mode 1: All LEDs are on for normal operation.

Operating Mode 2: Only 1 LED in the middle is on for long operations or low illuminations. Press the switch to toggle operating mode 1, mode 2 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, 36 or 52 lamps together from different powers.

SPECIFICATIONS

Operating time:	16 hours (All LEDs on)
Luminous intensity:	1000 cd
Charging time:	7 hours
Battery:	2AH, 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



Ex Code: Ex ia IIC T3

Certificate #: IECEx TSA 10.0006X

ANZEx 10.3012X

Standards: General Ex Standard: IEC66079-0

Intrinsically Safe Standard: IEC66079-11

Ingress Protection Standard: IEC60529

Mine Caplight Standard: IEC62013-1