

**Ex ia I IP67**

KC2M-Ex is a lightweight model of the Cordless Miner's Caplamp 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 mining and other applications when both focused beam and low cost are demanded.

LED lighting
IP67 rated casing
Charging banks or
Individual chargers
Multiple applications
Maintenance free

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

- ▲ Free you from the inconvenience of electrical cable and the burden of a battery pack, and also eliminates the possibility of any accident by bumping or snagging cable cord and increase working efficiency;
- ▲ Very light weight, even lighter than a headpiece, only of traditional caplamps;
- ▲ Adjustable angle to point wherever you see, near or far ---- to read and write, repair equipment or check the ceiling, significantly reducing dead corners
- ▲ Multiple operating modes for different applications;
- ▲ Natural LED light for a comfortable light environment;
- ▲ IP67 housing with a fully integrated and sealed structure, and solid light source designed for the harshest underground mining environment;
- ▲ Extraordinary safety - no acid or any toxin to spill, no flammable materials exposed, no heat on lens surface, no danger for personnel at all;
- ▲ Various ways to wear, mount or attach for different applications, used as a caplamp, headlamp, torch or portable lamp;
- ▲ Easy to charge. Strong protection from over voltage, over current, over charge and over discharge;
- ▲ Various models of charging banks and single chargers available in different charging units and power input;
- ▲ Very low maintenance to significantly reduce your lamp room cost. Easy to clean; No cable, bulb and headpiece to check or change; No repairing; No dedicated staff to look after charging.



HOW TO USE

Caplamp: Simply inserted in the lamp bracket on the helmet. The lamp clip is designed to fit in any Australian and American miner's helmet.

Headlamp: Worn on a plain hard cap using our *Cap Strap*, or worn on the head directly by removing 4 *Cap Hooks* on the *Cap Strap*.

Mini-Torch: Just hold in your hand, easily carried in a tool box, 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*, *Lanyard*, *Wrist Strap* and *Lamp Cluster*. Other accessories include, a handy *Mining Lanyard* to connect the lamp to your belt to prevent the helmet from falling away in such situations as in front of a ventilation machine, *Helmet Chin Strap* to hold your helmet in place in active situations.



CHARGING FACILITIES

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

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).

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

Intrinsically Safe



IP67

Ex Code: Ex ia I

Certificate #: IECEx TSA 10.0006X

ANZEx 10.3012X