

**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