

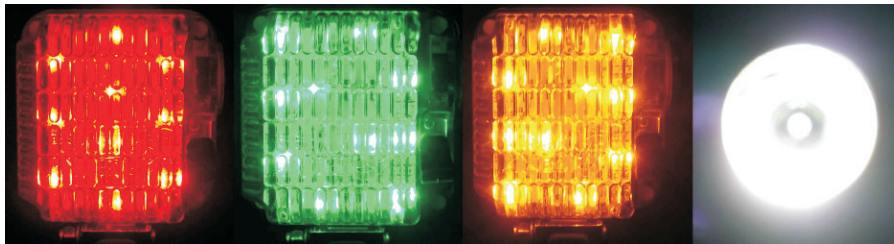


KH3TP-Ex is designed for portable traffic control and portable illumination. It integrates a signal light in three colours and a cordless caplamp into a compact IP67 enclosure to achieve both functions.

The front light remains to be a caplamp, headlamp or portable lamp. Use our accessories for various illuminating applications.

The rear signal light is in red, green or yellow. Just handy for convenient signaling or use our accessories for quick installation.

**LED lighting
IP67 rated casing
Charging banks or
Individual chargers
Signal & illumination
Maintenance free**



OPERATIONS

The front lamp is a high power LED for illumination in two levels - Main for normal illumination and Auxiliary for low illumination or long operation. The rear light is for traffic control in any of three colors - red, green and yellow.

- ▲ By toggling the operating button the lamp goes through: Main - Auxiliary - Red - Green - Yellow - Off
- ▲ Press and hold the button for two seconds to turn off.
- ▲ The lamp starts from the last operating mode when turned on.

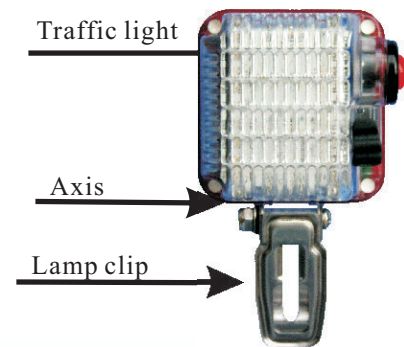
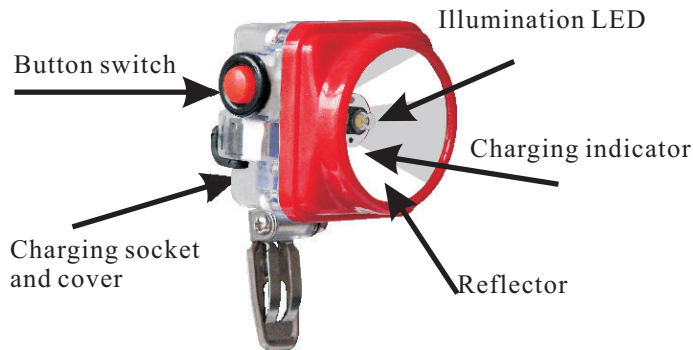
NOTE: Other colours or two colour versions can be customized. The IECEx/ANZEx certificates are still valid for customised versions.

FEATURES

- ▲ Multiple applications for portable illumination and signals - traffic light or just a warning light.
- ▲ Easy recharge: Extremely low charging current. Charging is as simple as a mobile phone.
- ▲ Very compact charging bank. No memory effect. An overcharge protection circuit completely eliminates the overcharge possibility. Simply plug the charger in and never worry about extended recharging time.
- ▲ Low maintenance: Easy to clean. No cable, bulb and headpiece to check or change. No repairing. No dedicated staff to look after charging.
- ▲ Extraordinary safety: Impact resistant, IP67 housing for the best dust and water protection, no acid or toxin to spill, no burnable part to catch fire, no heat on lens surface, no danger for personnel at all.



STRUCTURE



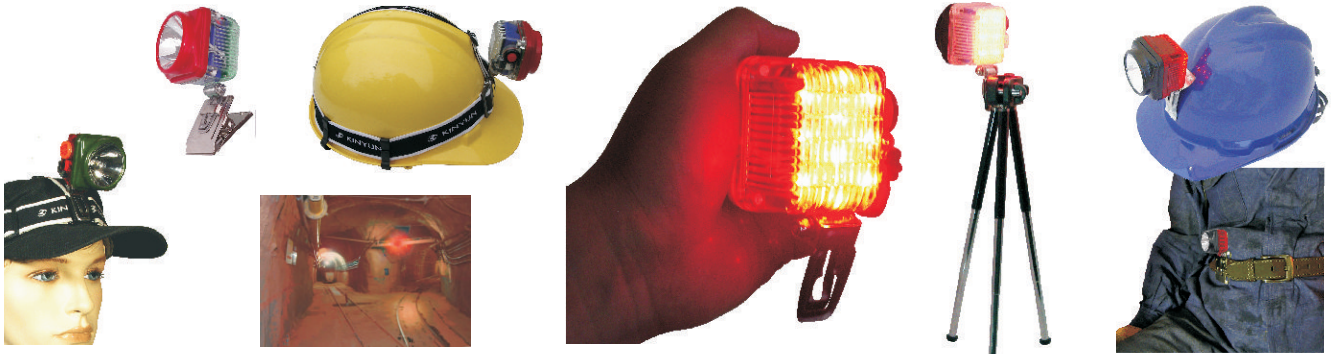
HOW TO USE

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

Hold in hand: 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:	8 hours (Main Illumination) 24 hours (Traffic light)
Luminous intensity:	2000 cd (Main Illumination)
Charging time:	8 hours
Battery:	2.8 AH, 3.7V
Battery lifetime:	80%C after 500 full charging cycles
LED lifetime:	30,000 hours
Weight:	120 g
Enclosure:	IP67
Warranty:	1year replacement

CERTIFICATION

Intrinsically Safe



IP67

Ex Code: Ex ia IIC T3

Certificate #: IECEX TSA 10.0006X

ANZEx 10.3012X