



Zones 0, 1, 2; Gas Groups IIA, IIB, IIC; Temperature Classes T1~T3



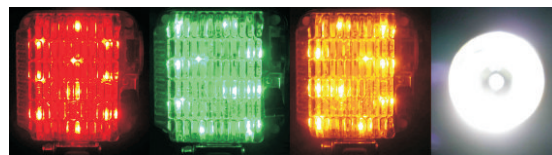
Ex ia IIC T3 IP67

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 Water-proof
Rechargeable battery
Multiple applications
Mining quality & performance



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.

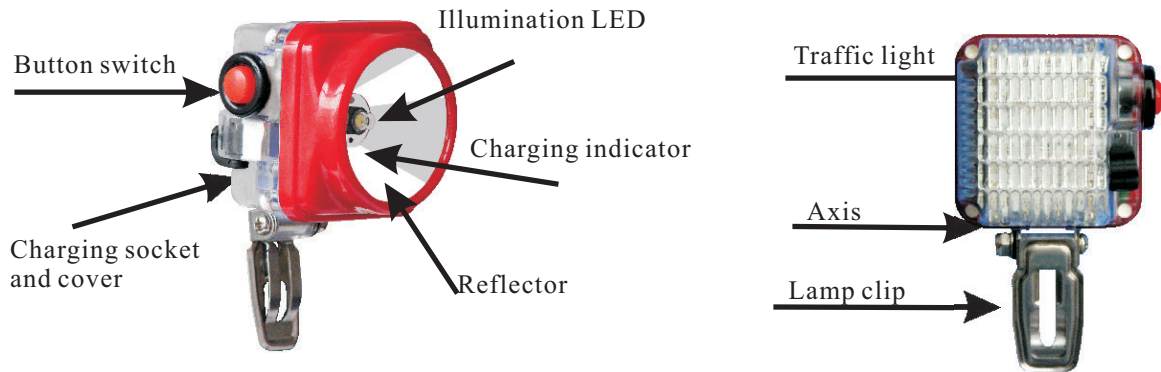
NOTE: Other colours or two colour versions can be customized. The IECEx/ANZEx certificates are still valid for customised versions.

FEATURES

- ▲ Multiple applications for portable illumination and signals - traffic light or just a warning light;
- ▲ High light output and long operating period in mining level;
- ▲ Adjustable angle to point wherever you see, near or far;
- ▲ 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.



STRUCTURE



HOW TO USE

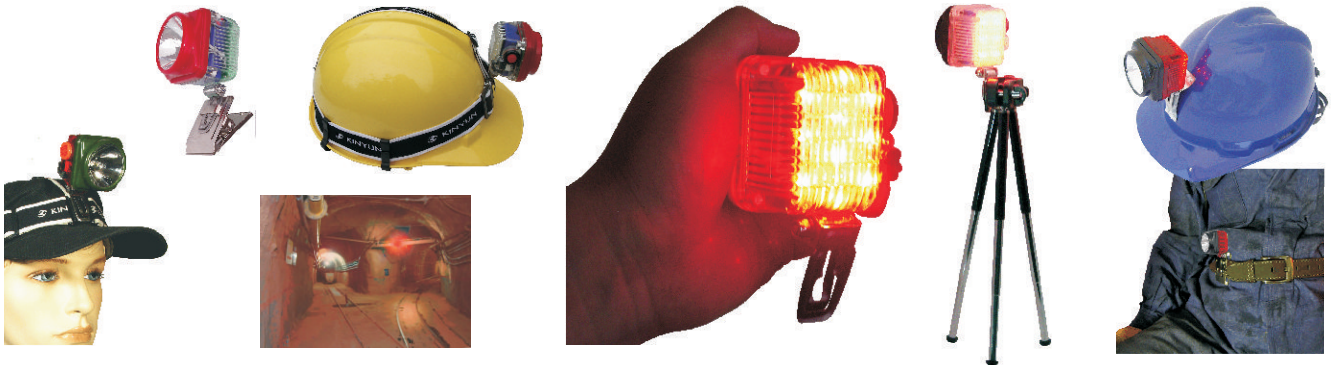
Helmet Lamp: Worn on any helmet using our *Cap Strap*, or fitted in the lamp bracket on a miner's helmet.

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:	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
Standards:	General Ex Standard: IEC66079-0 Intrinsically Safe Standard: IEC66079-11 Ingress Protection Standard: AS60529