NITECORE®

EH1

Explosion-Proof Headlamp

EX Mark:
Ex ib IIB T5 Gb

I M1 Ex ia op is I Ma EN 60079-35-1
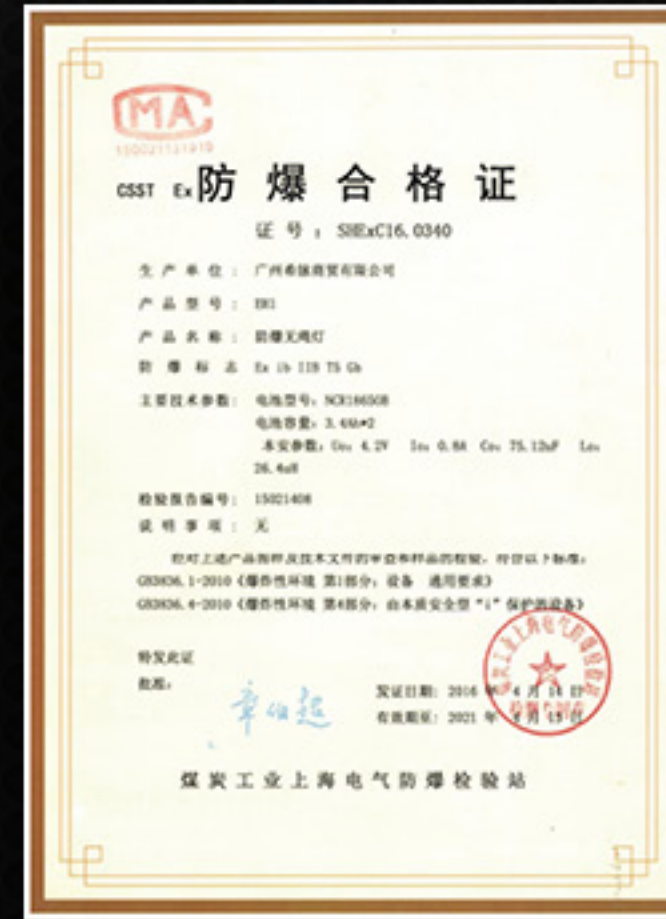(-20℃ ≤Ta≤+40℃)

INTRINSICALLY SAFE HEADLAMP

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ATEX (Equipment and protective systems for potentially explosive atmosphere) is the name commonly given to the two European Directives for controlling explosive atmospheres, Directive 2014/34/EU and Directive 99/92/EC (also known as 'ATEX 137' or the 'ATEX Workplace Directive').
ATEX certification ensures that the equipment or protective system is fit for its intended purpose and that adequate information is supplied with it to ensure that it can be used safely. Once certified, the equipment is marked by the 'EX' symbol to identify it as such.

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The EH1 explosion-proof headlamp is accredited by the Coal Industry Shanghai Electric Explosion-Proof Inspection Station.
Coal Industry Shanghai Electric Explosion-Proof Inspection Station is a branch of the National Safety Production Shanghai Mine Equipment Detection & Inspection Center, whose establishment was authorized by the State Administration of Work Safety/State Administration of Coal Mine Safety.

BUILT TO LAST

Two built-in high energy density 18650 batteries ensure the EH1 headlamp has ultra-long runtime, and an extremely compact size, reaching a balance between battery life and weight.

10 Hours
Max Runtime at High
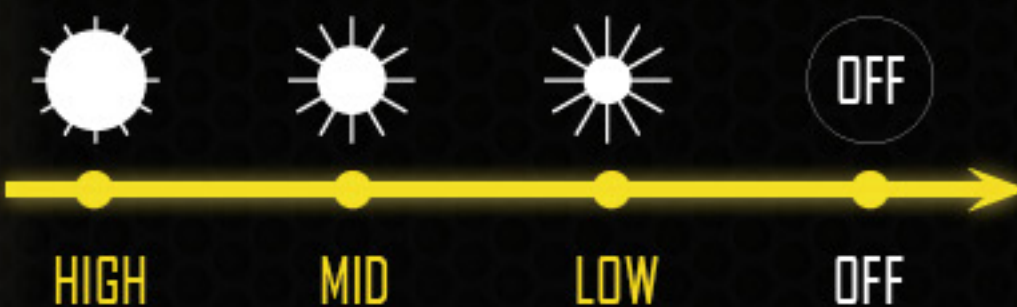
120 Hours
Max Runtime at Low

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CREE XP-G2 S3 LED

· Direct access to High Mode
· 3 brightness levels available

| HIGH | MID | LOW | OFF |

· 2 Concealed Special Modes

SOS   S.O.S: Sending distress signal

⊙   Location Beacon: Signaling location

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MULTIPLE TYPES OF COLOR TEMPERATURES AVAILABLE

3500K Warm White

Penetrates fog, smoke or haze effectively, suitable for public safety and firefighting applications.

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4500K Neutral White

Smooth diffused output, ideal for long-period underground operations such as mine exploitation, cave exploration etc.

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5500K White

Close to daylight, ensuring the users to identify and recognize the target accurately, suitable for use in gas station, railway station, warehouse, ship operations etc.

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RED LIGHT / FLASHES

● Red light   ⚡⚡ Flashes

In Standby Mode, press and hold the button to activate four auxiliary LEDs and enter constant illumination red light mode to preserver night-adapted vision.

Red light has the longest wavelength and the ability to penetrate through fog, smoke and haze for long period, sending distress signals effectively.

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POWER INDICATING FUNCTIONALITY

When power levels are low or under charging conditions, the auxiliary red LEDs will blink quickly to indicate battery power levels or the charging progress at real time.

4 LEDs illuminate: battery power levels are above 90%;

3 LEDs illuminate: battery power levels are around 60%;

2 LEDs illuminate: battery power levels are around 40%;

1 LED illuminates: battery power levels are below 20%.

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INNOVATIVE SMART CHARGING

The EH1 headlamp is able to charge at a fast charging speed (1A)
with the USB magnetic charging cable.

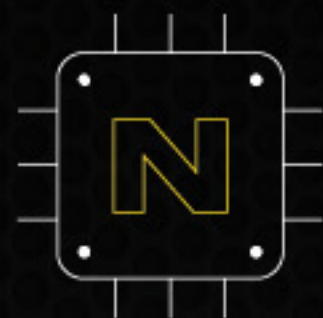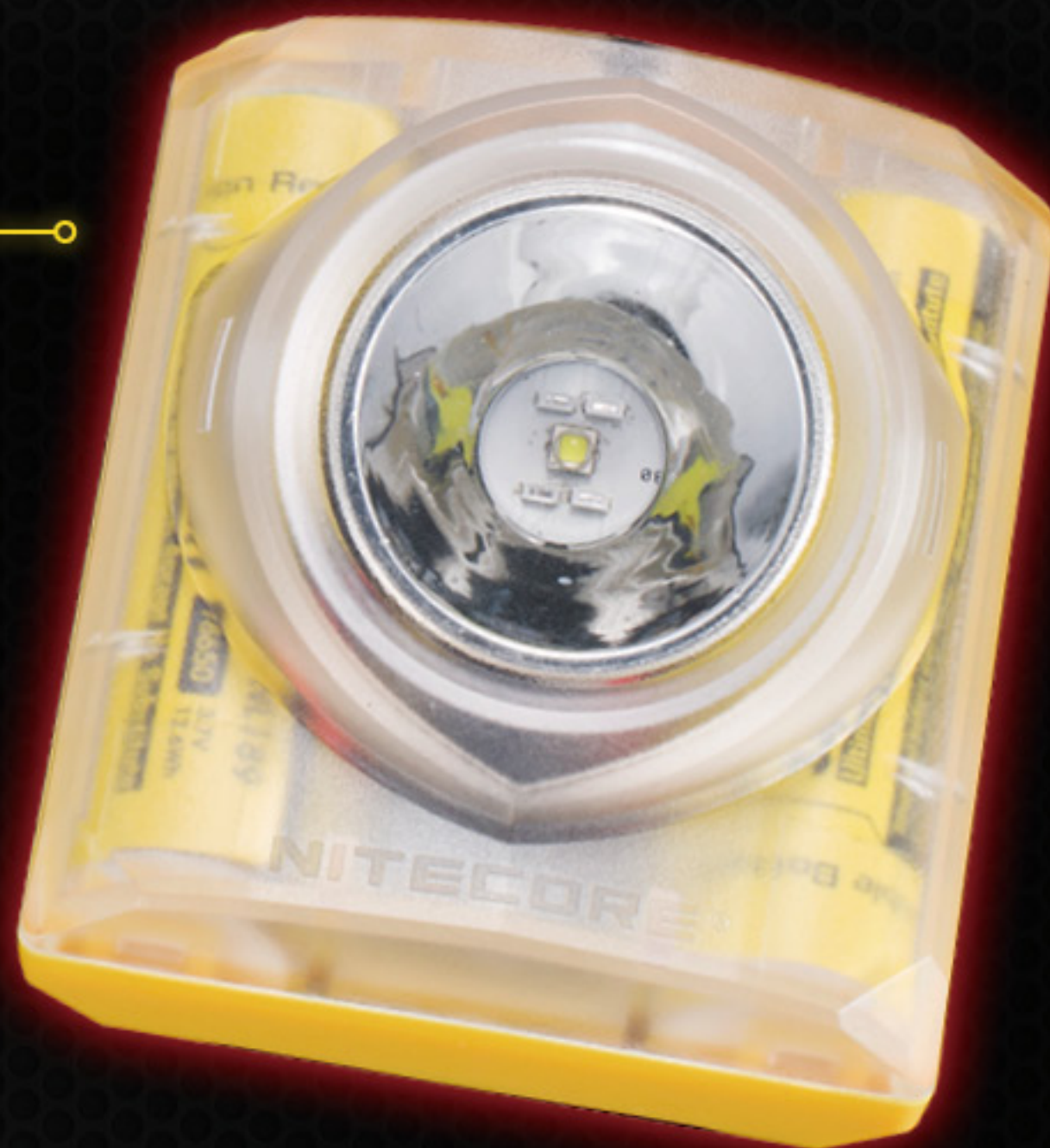*Compatible with adapter, car adapter, PC or other standard USB ports.

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A.T.R TECHNOLOGY

Advanced Temperature Regulation (ATR) technology enables the EH1 headlamp to dynamically adjust its output performance based on the body temperature.

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MADE FROM HIGH STRENGTH
POLYCARBONATE MATERIALS,
with great resistance to
impact and flames.

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IP68
Resistant to dust and water

TWO CARRYING OPTIONS

Using the Lamp Mount

Using the Headband

EHI SPEC.

FL1 STANDARD	HIGH	MID	LOW
☀	260 Lumens	65 Lumens	22 Lumens
🕐 18650 x 2	10 h	40 h	120 h
▭	205 m (Beam Distance)		
🕸	10,500 cd (Peak Beam Intensity)		
✓	1.8 m (Impact Resistant)		
〰	IP68, 3 m (Waterproof and Submersible)		

The stated data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1, using 2x Nitecore 18650 Li-ion batteries (3.6V, 3400mAh) under laboratory conditions. The data may vary in real-world use due to different battery usage or environmental conditions.

Photo by: Roberto Gomez

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FEATURES

- Designed for high risk industries, including mining, underground and off-shore petroleum exploitation, petrochemical and chemical industries
- Intrinsically safe LED headlamps
- Explosion Group IIB, Operating Temp Class T5 (100ºC)
- Featuring Advanced Temperature Regulation (ATR) technology to dynamically adjust output performance according to body temperature
- Utilizing a CREE XP-G2 S3 LED
- Powered by built-in 18650 battery/batteries for maximum output of 260 lumens
- USB magnetic charging cable for outputting 1000mA
- Intuitive user-interface with a button switch ensures easy one-handed operations
- Featuring 3 brightness levels and 2 special modes
- Featuring constant illumination/slow flashing red light
- Featuring power indicator and low battery alert
- Helmet mount included
- IP68 rating for dust and water resistance (3 meter submersible)
- 1.8 meter impact resistance