

ATEX LED HT-400 Headtorch



Product Overview

The ATEX LED HT-400 Headtorch is the ideal compact headtorch for hands free lighting, particularly where access is difficult, requiring climbing or crawling and is CE marked to the ATEX Directive and IECEx certified for safe use in Zones 1 and 2 potentially explosive gas and Zones 21 and 22 dust atmospheres. The approval code also covers all group II (industrial) gas apparatus groups, for potentially explosive gases up to T4 temperature class, and group I M2 mining applications.

The HT-400 is compact and lightweight weighing only 90 grams including batteries and constructed from robust, highly durable, high impact thermoplastic materials, which are chemical resistant and electrostatic non-hazardous, and fitted with a shatterproof polycarbonate lens. The tilt adjustment mechanism allows the user to angle the light and the bespoke optics deliver a broad spot beam suitable for close up hands free tasks, and is designed for single-handed switching and water/dust tight to a minimum of IP66.

With a 'fitted for life' high power LED light source, the HT-400 has up to 75 lumens of light output, with an optimum light duration of approximately 8.5 hours from a set of three AAA alkaline cells. The use of primary cells makes it economical for personal lighting.

The ATEX LED HT-400 Headtorch is supplied fitted with an adjustable removable fabric head band allowing it to be comfortably worn, at a low profile, directly on the head for extended periods and a set of 4 helmet clips to allow it to be securely attached to a hardhat.

Features & Benefits

- ATEX Directive compliant
- IECEx Scheme certified
- Zone 1 explosive gas, vapour and mist and Zone 21 dust certified
- T4 temperature class
- High Power LED light source
- Lightweight, ergonomic design
- Single handed switching
- Hands free operation
- IP66 water and dust tight
- Adjustable, removable headband
- Supplied with helmet clips for hard hat use
- Tilt adjustment for light direction

Certifications



Technical Specification

| | | |
|---------------------------------------|--------------------|--|
| Product Reference | | HT-400 |
| Product Description | | ATEX LED Headtorch |
| | | Mini - Zone 1 |
| Code | Industrial | II 2 GD Ex ib IIC T4 Gb IP66 / Ex ib IIIB T125° C Db |
| | Mining | I M2 Ex ib I Mb IP66 |
| Type of Protection | | 'ib' Intrinsic Safety |
| Area of Classification (Gas) | | Zones 1 and 2, Gas groups IIA, IIB, IIC |
| Temp. Classification (Gas) | | T4 |
| Ambient Temperature | | -20° C to +40° C |
| Area of Classification (Dust) | | Zones 21 and 22 |
| Max Surface Temperature (Dust) | | 125° C |
| Certificate | | Baseefa10ATEX0067 IECEX BAS 10.0023 |
| Enclosure | | High Impact Thermoplastic, Chemical Resistant, Electrostatic Non-hazardous |
| Lens | | Shatterproof Polycarbonate |
| Beam Type | | Broad Spot with Wide Angle Fringe Light |
| Light Source: | Type | High Power LED |
| | Output | Up to 75 lm |
| | Life | 25,000+ hours (fitted for life) |
| Power Source: | Part Number | 3 x LT-401 (LR03 Cells) |
| | Type | LR03 primary cells, to IEC 60086, Alkaline AAA |
| | Volts | 3 x 1.5v |
| Light Duration | | Up to 8.5 hours |
| Ingress Protection | | IP66 |
| Weight (inc. cells) | | 0.090Kg |

- All information has been gathered under laboratory conditions, the user must regard the values given as approximate.
- Changes may be made to the above specification without notification, details are available on request.



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