

# ATEX LED HT-400 Headtorch

Zones: 1, 2, 21 and 22



## 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

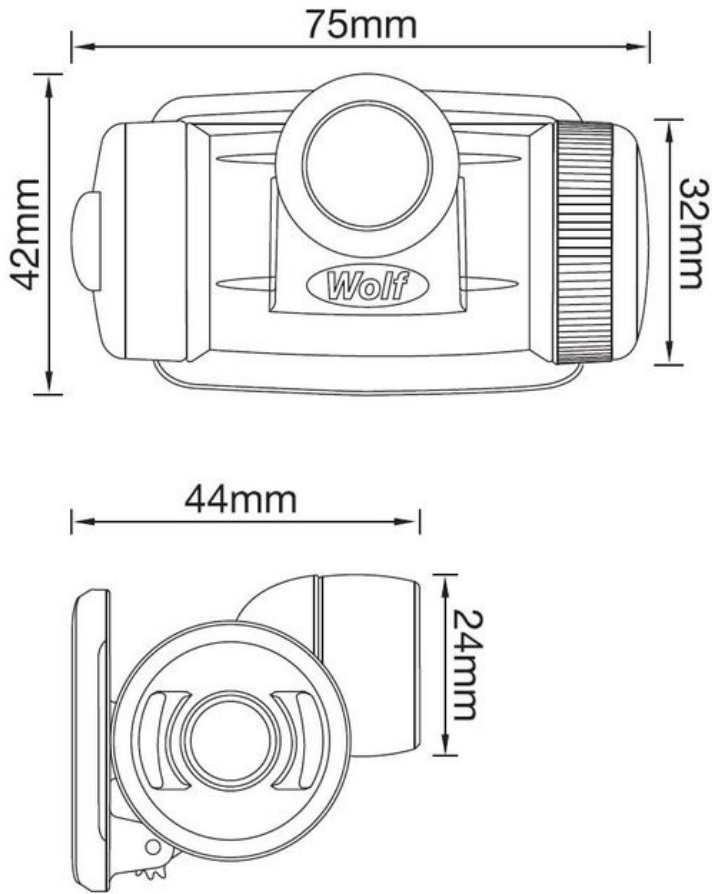


# Technical Specification

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

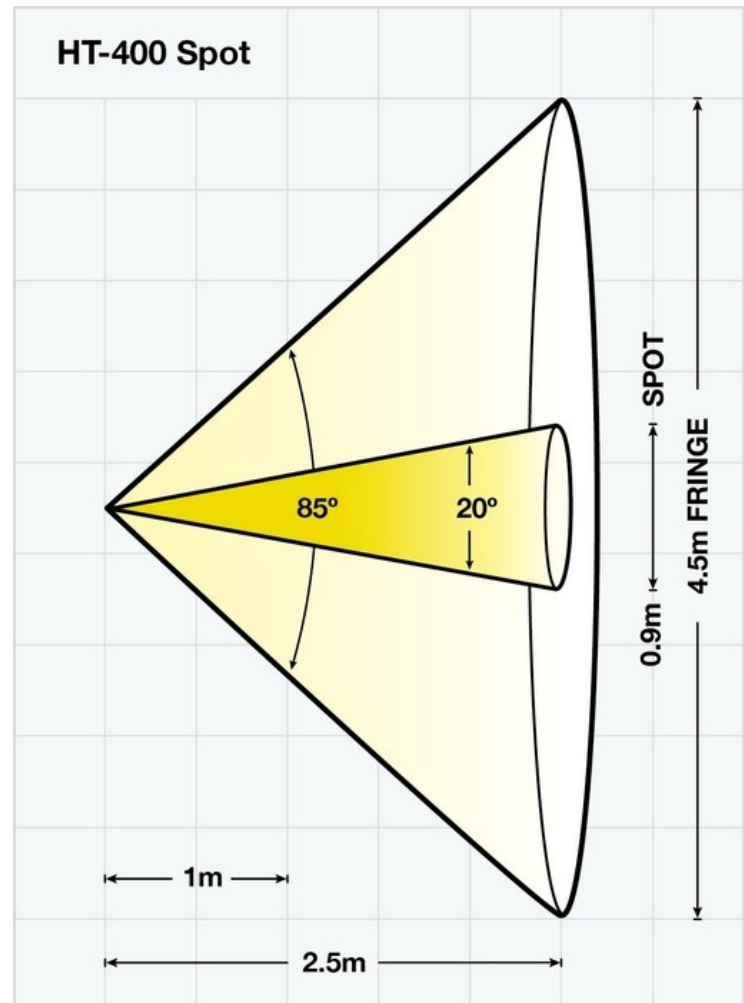
- All information has been gathered under laboratory conditions, the user must regard the values given as approximate.
- Changes may be made to the above specification without notification, details are available on request.

## Product Dimensions



## Light Output

High Power LED spot beam (approx 20°)  
Peak luminous intensity at 1m **381 lux**, at 2.5m **52 lux**  
Extra wide angle fringe beam (approx 85°)  
Peak luminous intensity at 1m **25 lux**, at 2.5m **6 lux**



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