



PRODUCT DATA SHEET

EXH8



Ledlenser EXH8 180lm ATEX LED Headlamp Zone 0/20 (Box)

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A powerful 180 lumen ATEX Zone 0/20 complaint intrinsically safe headlamp for those premium hands-free illumination. A flick of the work glove compatible magnetic switch and a 50 lumen low light beam can be selected which will provide an impressive 50 hour max run time. Additionally, both high and low beams can be focused for spot (distance) or flood (near) illumination via the Patented Advanced Focusing Optics that Ledlenser are renowned for internationally. The beam can be directed with-in a 55° angle. For added safety, a rear red light acts as a positional marker to locate the wearer. The head strap is adjustable, washable and extremely comfortable to wear. It also features a rubberised back which helps it from slipping when on helmets. A overhead strap ensures total stability on heads or helmets. For ease of use the 3xAA supplied batteries can easily be replaced without the need for any special keys - avoiding any lost or misplaced key dramas. The EXH8 is backed by a 7-year with registration warranty for complete peace of mind.

- Intrinsically safe LED headlamp suitable for Zones 0/20
- Patented Advanced Focus System optics for spot (near) or flood (distance) illumination
- Magnetic switch for easier operation - even with gloves on
- Direct the light within a 55° angle
- Rear red safety light acts as a positional marker to locate wearer
- Detachable, washable headband with a rubberised back for better grip
- Batteries easily changed without the need for any special tools or allen key
- IP66 dust/water resistance
- II 1G Ex ia op is IIC T4 Ga
- II 1D Ex ia op is IIIC T135°C Da
- 3 x AA (supplied)
- 7-year with registration warranty for complete peace of mind



TECHNICAL DATA

Head diameter [mm]	41
Weight incl. batteries [g]	345
Weight without batteries [g]	275
Focus function	Yes
Head material	PC
Tube material	PC
Optic	Plastic lense (PMMA)
Headband material	Elastic fabric
Headband type	Side overhead headband
Head movement type	Stepless movement
Head movement angle [°]	55
Headband specifications	Detachable, Elastic, Rubberised back, Washable

POWER SUPPLY

Power source type	Battery
Battery quantity	3
Battery type	Alkaline
Battery description	AA 1.5V
Rechargeable	No

EXPLOSION PROTECTION

ATEX Certificate	Baseefa17ATEX0157
IEC Ex Certificate	IECEX BAS18.0008
Ex marking	II 1G Ex ia op is IIC T4 Ga II 1D Ex ia op is IIIC T ₂₀₀ 135°C Da
Ex-Zone Gas	0
Gas Group	IIA, IIB, IIC
Temperature Class Gas	T4
Ex-Zone Dust	20
Dust Group	IIIA, IIIB, IIIC
Temperature Class Dust	135 °C

FURTHER SPECIFICATIONS

IP class	IP66
Drop test (drop height) [m]	1
Working temperature range [°C]	-20 to +40

LIGHT FUNCTIONS

Low Power, Power

LIGHT SOURCE

Amount LEDs	1
Colour	White
Colour temperature [K]	6000 to 8000
Colour rendering index (CRI)	65

LIGHT VALUES

	Boost	Power	Mid Power	Low Power
Light output ¹ [lm]		180		50
Beam distance ¹ [m]		120		65
Run time ¹ [h]		15		40

SWITCH

Magnetic Switch, Rotary Switch

FEATURES

Rear Red Safety light

TECHNOLOGIES

Advanced Focus System³

EXH8

PACKAGING AND LOGISTICS



PACKAGING INFORMATION

Type of packaging	Box
Supplied with	1 set of batteries, Battery cartridge
Item No.	501017
Customs tariff number	85131000
Color	yellow

SINGLE PACKAGE

Dimensions W x H x D [cm]	26.6 x 16.6 x 10.1
Gross weight [g]	651
GTIN-13	4058205007412

EXPORT CARTON

Unit	6
Dimensions W x D x H [cm]	37 x 30 x 35
Gross weight [kg]	5.28
GTIN-13	4058205007436

— EXH8

Accessories

PRODUCT CATEGORY	ITEM NUMBER	PRODUCT NAME
Fastenings / Brackets	501595	Silicone Headband Type A

EXH8

PRODUCT SERIES

Ledlenser Atex Series – Uncompromising Illumination for Hazardous Areas

The newest additions from Ledlenser, the world leader in LED portable lighting, is a range of intrinsically safe ATEX compliant torches and headlamps designed for those that work in any hazardous area yet who demand the very best in safety illumination.

As expected from a brand that is renowned and trusted worldwide by millions of users, the Ledlenser Atex Series of lights are a cut above the rest. Powerful enough to light up even the darkest of crevices or turn night into day, each light is stylishly designed and packed full of class leading features that combine harmoniously together thanks to precision German engineering. To further reinforce the quality of these lights, a 5-year standard warranty is extended to 7-years with online registration of the product for complete peace of mind.

Ledlenser's Patented Advanced Focusing Optics feature for spot (distance) or flood (near) illumination is a stand out technology from their core range of torches and headlamps, valued highly by users. This key feature has also been incorporated into the majority of the Atex series models enabling total beam focusing flexibility in a single light.

Each light is certified in accordance with European Union ATEX safety regulations, impervious to dust, water resistant to an extremely high level and specifically engineered for coming into contact with explosive gases, fumes and dust as defined in groups IIC and IIIC. Each of the three Gas Zones (0, 1, 2) and the three Dust Zones (20, 21, 22) have dedicated lights within the Ledlenser Atex Series range.

FOOTNOTES

The information pertaining to scope of delivery, appearance, performance, dimensions and weight corresponds to the information available at the time of publication. In the interest of product development, we reserve the right to change scope of delivery, appearance, design and color without prior notice. Product images may vary from the actual products and may show optional accessories which can be purchased separately. Errors and omissions excepted.

1) Measurements according to ANSI FL1 on the respective setting. Average values, in some cases, deviations by +/- 15 % may occur due to technical reasons. If no setting is explicitly indicated, the values refer to luminous flux (lumens/lm) and lighting range (meters/m) on the highest setting and to battery duration (hours/h) on the lowest setting. A boost function (if available) can be used several times, but only for short periods of time. If no setting is explicitly indicated, measurement is based on "energy saving mode."

3) EP Patent 1880139, US Patent 7,461,960

4) Warranty period of five years from the date of purchase, seven years if the product is registered online on our website. The warranty is valid worldwide and legal warranty rights also apply. It covers defects in materials and workmanship. For the proper functioning of rechargeable batteries a different warranty period of 24 months applies. Excluded from this warranty are the products of the "Solidline" series, Ledlenser K1 and Ledlenser K2. The warranty does not apply to defects in batteries, holsters, pouches, remote switches, color filters, imprints or surface coatings. The guarantor is Ledlenser GmbH & Co. KG, Kronenstr. 5 - 7, 42699 Solingen, Germany. More information: ledlenser.com/warranty