



LEDLENSER

— PRODUCT DATA SHEET EXH8R



Ledlenser EXH8R 200lm ATEX Rechargeable LED Headlamp Zone 1/21 (Box)

First intrinsically safe rechargeable headlamp with a charging cradle and renowned Advanced Focusing Optics that is certified for use in Atex Zones 1/21. The 200 lumens on full power or 45 lumens on low power can easily be selected via the integrated magnetic switch - a switch which has been specifically incorporated to work easily even with thick gloves on. Spot (distance) or flood (near) illumination is selected via a simple twist of the lamp head and the patented focusing technology delivers a beautifully even light with no messy rings or dark spots. The beam can be angled within 55° so it can be directed to where it is most needed. A rear red safety light is handy in determining the wearers position from behind. The headband is detachable and washable. A rubberised backing on the headband is both comfortable and helps prevent the lamp from slipping on helmets whilst a overhead strap ensures total stability. Charging the supplied high capacity L-ion battery could not be easier - simply dock the light onto the supplied cradle and charge. Gone is the need to remove/replace batteries from the housing - once charged the light is ready to be used immediately. The EXH8R is backed by a 7-year with registration warranty for complete peace of mind.

- Intrinsically safe Rechargeable LED headlamp suitable for Atex Zone 1/21
- 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
- Recharge without the need to remove battery via a charging dock (supplied)
- IP66 dust/water resistance
- II 2G Ex ib op is IIC T4 Gb
- II 2D Ex ib op is IIIC T135°C Db
- L-ion battery (supplied)
- 7-year with registration warranty for complete peace of mind



TECHNICAL DATA

Head diameter [mm]	41
Weight incl. batteries [g]	342
Weight without batteries [g]	266
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	Rechargeable battery
Battery quantity	1
Battery type	Li-ion
Battery description	1x18650 Battery Pack 3.7V
Total battery voltage [V]	3.7
Total battery capacity [mAh]	3250
Total battery energy ² [Wh]	12
Rechargeable	Yes
Charging time ⁵ [min]	660
Charging technology	Internal
Energy status indicator	Charge Indicator

EXPLOSION PROTECTION

ATEX Certificate	Baseefa17ATEX0157
IEC Ex Certificate	IECEx BAS18.0008
Ex marking	II 2G Ex ib op is IIC T4 Gb II 2D Ex ib op is IIIC T135°C Db
Ex-Zone Gas	1
Gas Group	IIA, IIB, IIC
Temperature Class Gas	T4
Ex-Zone Dust	21
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]		200		45
Beam distance ¹ [m]		130		60
Run time ¹ [h]		10		45

SWITCH

Magnetic Switch, Rotary Switch

FEATURES

Rear Red Safety light

TECHNOLOGIES

Advanced Focus System ³

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PACKAGING AND LOGISTICS



PACKAGING INFORMATION

Type of packaging	Box
Supplied with	1 set of rechargeable batteries, Charging base, Power supply
Item No.	501018
Customs tariff number	85131000
Colour	yellow

SINGLE PACKAGE

Dimensions W x H x D [cm]	26.6 x 16.6 x 10.1
Gross weight [g]	985
GTIN-13	4058205007443

EXPORT CARTON

Unit	6
Dimensions W x D x H [cm]	37 x 30 x 35
Gross weight [kg]	7.29
GTIN-13	4058205007467

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Accessories

PRODUCT CATEGORY	ITEM NUMBER	PRODUCT NAME
Fastenings / Brackets	501595	Silicone Headband Type A
Charger / Cable	0412	5 Station Charging Panel

EXH8R

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/hrs/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."

2) Calculated capacity value in watt-hours (Wh). This applies to the delivery state of the battery/ies inside the respective item, or for lights with rechargeable battery/ies, to the rechargeable battery/ies inside the product when fully charged.

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

5) Charging time varies by hardware used.