



# — PRODUCT DATA SHEET

## EXH6R



# EXH6R

## PRODUCT DESCRIPTION

The compact EXH6R professional headlamp provides adjustable light in explosive environments. It is easy to mount – even on helmets with the correct accessories – and provides bright, reliable illumination at both short and long distance. If the light is running out of power, the lamp emits a light signal and provides sufficient remaining run time to safely leave the work area. The EXH6R sets itself apart with its integrated battery which can be replaced when necessary and features a status LED along with a separate, professional charging cradle. The battery is located at the back of the head to ensure ideal weight distribution; the battery can also be attached to clothing or equipment using an extension cable.

- Compact, versatile headlamp for explosive environments
- Separate LEDs for a focused high beam or a homogeneous, glarefree working light at close range
- Lamp head swivels in both directions for individual adjustment of the light beam
- Superb protection against dust and water: IP68
- Integrated, replaceable battery with professional charging station for mounting in workshops or vehicles, integrated battery, and charge level indicator

**7**  
**YEAR**  
**WARRANTY<sup>4</sup>**

### TECHNICAL DATA

Head diameter [mm]	56
Weight incl. batteries [g]	330
Weight without batteries [g]	287
Focus function	No
Head material	PC
Tube material	PC
Optic	Plastic lense (PMMA)
Headband material	Elastic fabric
Headband type	Side overhead headband
Head movement type	Stepped movement
Head movement angle [°]	135
Headband specifications	Detachable, Elastic, Washable

### POWER SUPPLY

Power source type	Rechargeable battery
Battery quantity	1
Battery type	Lithium
Battery replaceable	Yes
Total battery voltage [V]	3.7
Total battery capacity [mAh]	1900
Total battery energy <sup>2</sup> [Wh]	7.03
Rechargeable	Yes
Charging time <sup>5</sup> [min]	210
Energy modes	Energy Saving
Energy status indicator	Battery Indicator, Charge Indicator, Low Battery Warning

### EXPLOSION PROTECTION

ATEX Certificate	SGS22ATEX0039
IEC Ex Certificate	IECEx BAS 22.0027
Ex marking	II 1G Ex ia IIC T4 Ga II 2D Ex ib IIIC T135°C Db
Ex-Zone Gas	0
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	IP68
Drop test (drop height) [m]	2
Working temperature range [°C]	-20 to +40

### LIGHT FUNCTIONS

Mid Power, Low Power, Low Power, Power

### LIGHT SOURCE

	Spot	Flood
Amount LEDs	1	1
LED type	Power LED	High Power LED
Color	White	White
Color temperature [K]	4600 to 5400	4600 to 5400
Color rendering index (CRI)	70	70

### LIGHT VALUES

ANSI – Energy Saving	Combined	Spot	Flood	Spot low
Light output <sup>1</sup> [lm]	250	180	100	50
Beam distance <sup>1</sup> [m]	170	140	30	90
Run time <sup>1</sup> [h]	3	4	10	15

### SWITCH

Magnetic Switch

### FEATURES

Transportation lock , Backup Mode

# EXH6R

## PACKAGING AND LOGISTICS



### PACKAGING INFORMATION

Type of packaging	Box
Scope of delivery	Adaptor cable, Charging station, Power adapter
Item No.	502041
Customs tariff number	85131000000
Color	black

### SINGLE PACKAGE

Dimensions W x H x D [cm]	14.5 x 20.5 x 8.5
Gross weight [g]	880
GTIN-13	4058205016605

### EXPORT CARTON

Unit	12
Dimensions W x D x H [cm]	45.5 x 29 x 34
Gross weight [kg]	11.3
GTIN-13	4058205016629

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ACCESORIES

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

# EXH6R

## PRODUCT SERIES

### The Ledlenser EX series

If you're working in explosive environments, safety is extremely important when it comes to electronics. Safety which is defined in the ATEX directives of the European Union. Lamps in the Ledlenser EX and iL series meet these standards in every respect. Designed specifically for contact with explosive gases, vapors and dust in the best possible groups IIC and IIIC. They feature dust and water protection, and are certified to ATEX and IECEx. Yet both lines - in accordance with the ATEX workplace directives - are designed for different types of explosion hazards. The EX-series is suitable for areas where explosive atmospheres are regularly present (zones 0, 1, 20 or 21) and the iL-series for Zone 2/22. So you'll find the perfect lamp for any environment.

## 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) Measurement values according to ANSI FL1 in the respective setting. 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 the light is equipped with (a) colored LED(s), the measurement values are given for the white light or the white LED. If the light has different energy modes, the measurement is made based on the "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.

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 product series "Solidline", 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](http://ledlenser.com/warranty)

5) Charging time varies by hardware used.