



# — PRODUCT DATA SHEET EX7



# EX7

## PRODUCT DESCRIPTION

If you're rolling up your sleeves but want to keep your gloves on, the Ledlenser EX7 is the perfect lamp for you. The extra large Magnetic Switch is even easy to operate with the clunkiest protective equipment. Yet the flashlight is safe for use in Ex-Zone 0/20 and features a patented<sup>3</sup> Advanced Focus System. Meaning you're safe in virtually any environment from tank to grain elevator with explosive gases or dusts. All this with a battery life of up to 45 hours.<sup>1</sup>

- Magnetic Switch for easy operation with gloves and protective equipment
- First EX lamp for Ex-Zone 0/20 with patented<sup>3</sup> Advanced Focus System
- Focusable
- Long battery life (up to 45 hours<sup>1</sup>)
- Suitable for the highest gas and dust groups (IIC/IIIC)
- Battery operated, uses 3x alkaline AA

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

### TECHNICAL DATA

Length defocused [mm]	161
Length focused [mm]	161
Head diameter [mm]	41
Tube diameter [mm]	41
Weight incl. batteries [g]	232
Weight without batteries [g]	164
Focus function	Yes
Head material	PC
Tube material	PC
Optic	Plastic lense (PMMA)
Cartridge	Yes

### POWER SUPPLY

Power source type	Battery
Battery quantity	3
Battery type	Alkaline
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 <sub>200</sub> 135°C Da
Ex-Zone Gas	0
Gas Group	IIA, IIB, IIC
Temperature Class Gas	T4
Ex-Zone Dust	20
Dust Group	IIIA, IIB, IIC
Temperature Class Dust	135 °C

### FURTHER SPECIFICATIONS

IP class	IP68
Drop test (drop height) [m]	1
Working temperature range [°C]	-20 to +40

### LIGHT FUNCTIONS

Power, Low Power

### LIGHT SOURCE

Amount LEDs	1
LED type	Xtreme LED
Color	White
Color temperature [K]	6000 to 8000
Color rendering index (CRI)	65

### LIGHT VALUES

	Boost	Power	Mid Power	Low Power
Light output <sup>1</sup> [lm]		200		60
Beam distance <sup>1</sup> [m]		120		70
Run time <sup>1</sup> [h]		16		45

### SWITCH

Magnetic Switch, Rotary Switch

### TECHNOLOGIES

Advanced Focus System<sup>3</sup>

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## PACKAGING AND LOGISTICS



## PACKAGING INFORMATION

Type of packaging	Sleeve Box
Scope of delivery	1 set of batteries, Belt clip, Intelligent clip
Item No.	500836
Customs tariff number	85131000
Color	yellow

## SINGLE PACKAGE

Dimensions W x H x D [cm]	22 x 7.4 x 8.4
Gross weight [g]	400
GTIN-13	4058205001243

## INNER CARTON

Unit	12
Dimensions W x D x H [cm]	46 x 23.5 x 19
Gross weight [g]	5094
GTIN-13	4058205001250

## EXPORT CARTON

Unit	24
Dimensions W x D x H [cm]	49 x 26.5 x 42.5
Gross weight [kg]	10.9
GTIN-13	4058205001267

  
EX7

## ACCESSORIES

PRODUCT CATEGORY	ITEM NUMBER	PRODUCT NAME
Fastenings / Brackets	500957	Intelligent Clip Type G
Color filter / Signal caps	500958	Signal Cone 42mm

The logo consists of the letters 'EX' in a black, sans-serif font, followed by a red '7' that is slightly larger and positioned to the right of the 'X'. A thin horizontal line is positioned to the left of the 'EX'.

## 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. Featuring dust and water protection, and 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.

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## 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".

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 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)