



— PRODUCT DATA SHEET

EXC7R



EXC7R

PRODUCT DESCRIPTION

The EXC7R satisfies DIN 14649 standards and is a reliable right-angle light for firefighters in more demanding conditions. It is possible to switch between a focused high beam and a widespread floodlight to provide ideal illumination in a variety of situations. The lamp head swivels both upwards and downwards, while the clip can be attached on both sides to ensure flexibility of use. Thanks to its integrated, powerful battery with a battery and charge level indicator, prolonged periods of use are not a problem. The reflectors on the lamp head ensure improved visibility when in use. Explosion protection: Ex ia IIC T4 Ga, Ex ib IIIC T135 °C Db

- Powerful, professional right-angle light for firefighters in accordance with DIN 14649
- Separate LEDs for a focused high beam or a homogeneous, glare-free working light at close range
- The lamp head can be swiveled 135° in both directions, so the light cone can be ideally aimed to suit the situation
- Rotating clip and loop for versatile mounting, e. g. onto pouches or respiratory protection
- Integrated, replaceable battery with professional charging station for installation in an emergency vehicle, integrated battery, and charge level indicator



TECHNICAL DATA

Width [mm]	87
Depth [mm]	73
Height [mm]	187
Weight incl. batteries [g]	523
Weight without batteries [g]	330
Secondary material	PC
Head movement angle [°]	135
Head movement type	Stepped movement

POWER SUPPLY

Power source type	Rechargeable battery
Battery quantity	4
Battery type	Lithium
Battery replaceable	No
Total battery voltage [V]	3.7
Total battery capacity [mAh]	7600
Total battery energy ² [Wh]	28.12
Rechargeable	Yes
Charging time ⁵ [min]	450
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, IIB, IIC
Temperature Class Dust	135 °C

FURTHER SPECIFICATIONS

IP class	IP68
Drop test (drop height) [m]	1.5
Working temperature range [°C]	-20 to +40

LIGHT FUNCTIONS

Mid Power, Low Power, Power

LIGHT SOURCE

	Spot	Flood
Amount LEDs	2	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
Light output ¹ [lm]	400	320	120
Beam distance ¹ [m]	240	200	30
Run time ¹ [h]	7	8	40

SWITCH

Magnetic Switch

FEATURES

Backup Mode

EXC7R

PACKAGING AND LOGISTICS



PACKAGING INFORMATION

Type of packaging	Box
Scope of delivery	1 set of rechargeable batteries, Pocket clip
Item No.	502040
Customs tariff number	85131000000
Color	black

SINGLE PACKAGE

Dimensions W x H x D [cm]	7.5 x 21 x 8.5
Gross weight [g]	588
GTIN-13	4058205016575

EXPORT CARTON

Unit	24
Dimensions W x D x H [cm]	45.5 x 29 x 34
Gross weight [kg]	14.9
GTIN-13	4058205016599



PACKAGING INFORMATION

Type of packaging	Box
Scope of delivery	1 set of rechargeable batteries, Adaptor cable, Charging station, Pocket clip, Power adapter
Item No.	502407
Customs tariff number	85131000000
Color	black

SINGLE PACKAGE

Dimensions W x H x D [cm]	14.5 x 22 x 10.5
Gross weight [g]	1155
GTIN-13	4058205024891

EXPORT CARTON

Unit	12
Dimensions W x D x H [cm]	47 x 23.5 x 47
Gross weight [kg]	14.7
GTIN-13	4058205024877

EXC7R

ACCESORIES

PRODUCT CATEGORY	ITEM NUMBER	PRODUCT NAME
Charger / Cable	502409	Charging Station EXC7R

EXC7R

PRODUCT SERIES

When using electronic devices in potentially explosive environments, safety is crucial. Based on the safety ratings defined by the ATEX directives of the European Union, Ledlenser EX series of lamps is safe for use in explosive environments. Since they combine maximum protection with maximum functionality, Ledlenser EX lights have a wide range of applications. Various models in the series meet the requirements of DIN 14649. For instance, the EX-protected lights for firefighters were developed and tested in close collaboration with experienced firefighting units to ensure safety.

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](https://www.ledlenser.com/warranty)

5) Charging time varies by hardware used.