



PRODUCT DATA SHEET

EX7R



Ledlenser EX7R 220lm ATEX Rechargeable LED Torch Zone 1/21 (Box)

First intrinsically safe, rechargeable ATEX compliant handheld torch with Advanced Focus System optics for Zone 1/21 and gas/dust groups (IIC/IIIC) which delivers an imperious 220 lumens on full beam and 40 lumens on low beam. The magnetic switch is simple to use even with work gloves on whilst the integrated Patented Advanced Focusing Optics for spot (distance) or flood (near) illumination provide instant beam flexibility. Recharging of the supplied high capacity L-ion battery is a cinch - simply dock the torch into the charging cradle provided and charge up. No more need to remove and re-insert batteries. Once charged the light is ready to be used immediately. Handily, a charging light on the housing will indicate when fully charged. A belt clip is also included in the pack. The EX7R is backed by a 7-year with registration warranty for complete peace of mind.

- Rechargeable Intrinsically safe LED torch for Zones 1/21
- Patented Advanced Focus System optics for spot (near) or flood (distance) illumination
- Magnetic switch for easier operation - even with gloves on
- Recharge without the need to remove battery from torch housing via a charging dock (supplied)
- Charging indicator light
- 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

| | |
|------------------------------|----------------------|
| Length defocused [mm] | 161 |
| Length focused [mm] | 161 |
| Head diameter [mm] | 41 |
| Tube diameter [mm] | 41 |
| Weight incl. batteries [g] | 228 |
| Weight without batteries [g] | 152 |
| Focus function | Yes |
| Head material | PC |
| Tube material | PC |
| Optic | Plastic lense (PMMA) |
| Cartridge | Yes |

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 |
| UN number | UN 3481 |
| Charging time ⁵ [min] | 660 |
| 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 |
| LED type | Xtreme LED |
| 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] | | 220 | | 50 |
| Beam distance ¹ [m] | | 140 | | 65 |
| Run time ¹ [h] | | 10 | | 45 |

SWITCH

Rotary Switch, Magnetic Switch

TECHNOLOGIES

Advanced Focus System³

EX7R

PACKAGING AND LOGISTICS



PACKAGING INFORMATION

| | |
|-------------------|---|
| Type of packaging | Box |
| Supplied with | 1 set of rechargeable batteries, Belt clip, Charging base, Intelligent clip, Power supply |

| | |
|-----------------------------|--------------------------|
| Item No. | 500837 |
| Customs tariff number | 85131000 |
| Colour | yellow |
| RRP ex / inc.vat (£) | £141.63 / £169.95 |
| RRP ex / inc.vat (€) | €154.43 / €189.95 |

SINGLE PACKAGE

| | |
|---------------------------|-----------------|
| Dimensions W x H x D [cm] | 22 x 14.7 x 8.4 |
| Gross weight [g] | 825 |
| GTIN-13 | 4058205001274 |

INNER CARTON

| | |
|---------------------------|----------------|
| Unit | 6 |
| Dimensions W x D x H [cm] | 46 x 23.5 x 19 |
| Gross weight [g] | 5260.5 |
| GTIN-13 | 4058205001281 |

EXPORT CARTON

| | |
|---------------------------|----------------|
| Unit | 12 |
| Dimensions W x D x H [cm] | 48 x 25.5 x 45 |
| Gross weight [kg] | 11.34 |
| GTIN-13 | 4058205001298 |

EX7R

Accessories

| PRODUCT CATEGORY | ITEM NUMBER | PRODUCT NAME | RRP |
|----------------------------|-------------|--------------------------|-----|
| Fastenings / Brackets | 500957 | Intelligent Clip Type G | TBC |
| Color filter / Signal caps | 500958 | Signal Cone 42mm | TBC |
| Charger / Cable | 0412 | 5 Station Charging Panel | TBC |

EX7R

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."

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.