

— WORK & PROFESSIONAL INTRINSICALLY SAFE LIGHTS



 **LEDLENSER**

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FOR MAXIMUM SAFETY AT THE WORKPLACE

If you work in explosive environments, safety is extremely important when it comes to using electronics.

Ledlenser EX-series lights meet these standards in every aspect. Designed specifically for contact with explosive gases, vapors and dust in the best possible groups IIC and IIIC. They feature maximum dust protection, are protected from water and ATEX and IECEx approved.

Yet both lines - in compliance with the ATEX operating directives - are designed for different types of explosion hazards.

The **EX-series** is suitable for use in areas where explosive atmospheres are frequently present (zones 0, 1, 20 or 21).

EXEMPLARY FIELDS OF APPLICATION:

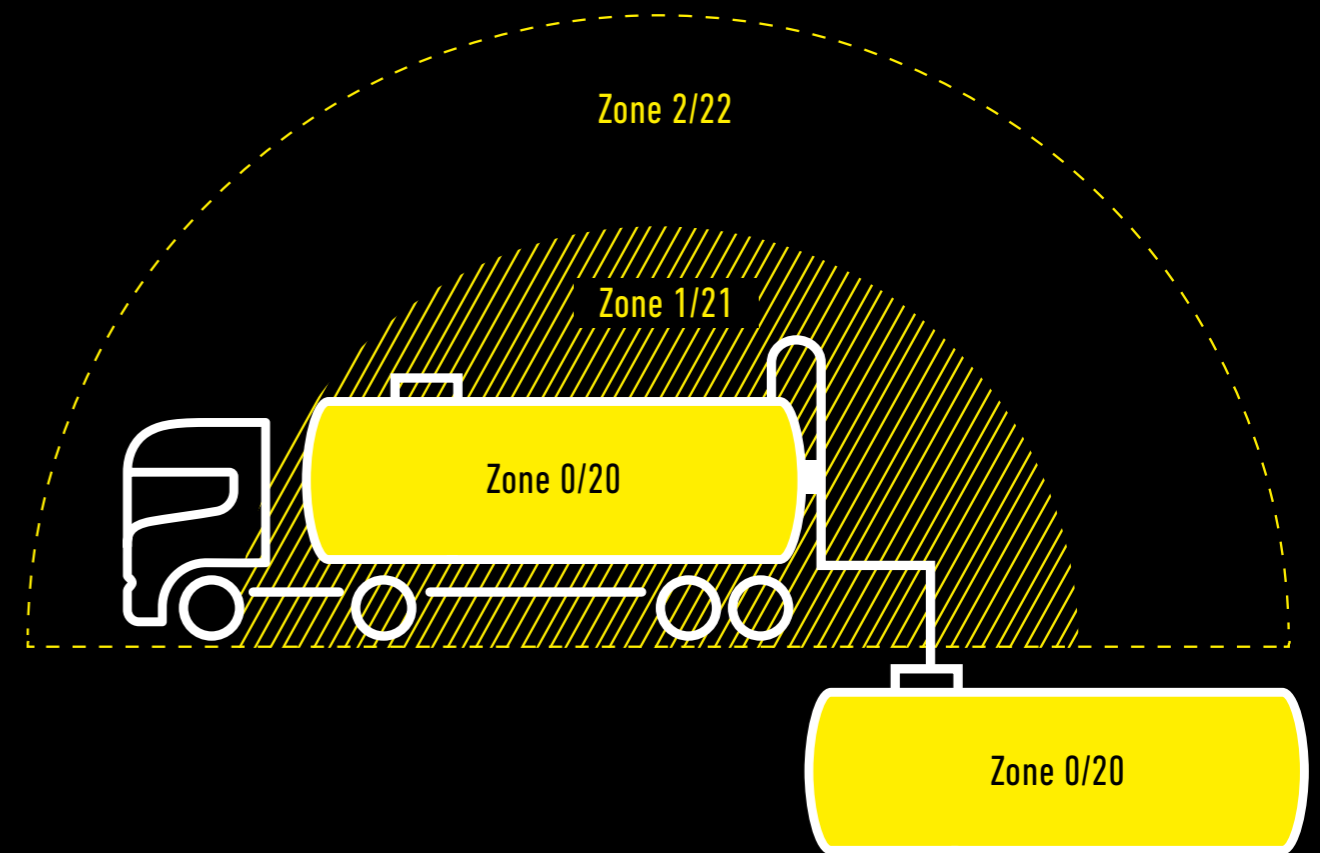
- Oil and gas drilling rigs
- Gas, oil and coal-fired power plants
- Chemical parks
- Storage sites for oil and gas
- Petrol stations and road tankers
- Sewerage and sewage treatment plants
- Paint shops and car repair shops
- Pharmaceutical factories
- Food factories
- Distilleries
- Sawmills
- and many more



* Depending on the gases and/or dusts present.

The ATEX Directive of the European Union

From oil and gas production facilities to chemical plants and distilleries as well as sawmills and bakeries: The ATEX Directive applies to all businesses within the EU, in which explosive atmospheres can arise due to gas or dust. At the same time, the work areas are divided into zones according to the frequency and duration of the risk of explosion.



A place in which an explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapor or a cloud of combustible dust is **continuously present** for long periods or frequently (e. g. in gas tanks or grain elevators).



Working areas in which explosive atmospheres in the form of flammable gases, vapors or dust clouds **occasionally** prevail.



Working areas in which explosive atmospheres in the form of flammable gases, vapors or dust clouds (e. g. in case of a gas leak) **usually do not prevail / prevail only for a short time.**



EXC6R 



EX-PROTECTED LIGHTS SPECIALLY DEVELOPED FOR FIREFIGHTERS

- ▶ For demanding operations under extreme conditions
- ▶ Numerous specific functions and features for optimum handling in use
- ▶ The new right-angle lights are in accordance with DIN 14649 for explosion-proof firefighter lights
- ▶ Battery-operated and rechargeable models for various applications



EXC6R 



EXC7R 



Extra powerful, larger model for demanding applications with a large light requirement

SIZE COMPARISON

KEY FEATURES OF OUR NEW EX-PROTECTED RIGHT-ANGLE LIGHTS

- 01 – Most compact **DIN-14649 compliant right-angle light for firefighters** on the market; extremely lightweight
- 02 – Replaceable, powerful rechargeable battery
- 03 – **Lamp head swivels 135°** for optimal light alignment
- 04 – Separate LEDs for focused high beam or homogenous, glare-free close-range working light
- 05 – Extreme dust and water protection: **IP68**
- 06 – **Loop and rotating clip** for versatile mounting, e. g. on attachment, e.g. onto pouches or respiratory equipment
- 07 – **Charging station** for mounting in emergency vehicles
- 08 – **Reflectors** increase visibility

02 | Original size





LED		
LED Configuration	2x Power LED	3x Power LED
Light Functions	Spot + Flood / Spot / Flood	Spot + Flood / Spot / Flood
Luminous Flux ¹ (lm)	300 / 180 / 120	400 / 320 / 120
Beam Distance ¹ (m)	180 / 150 / 30	240 / 200 / 30
Run Time ¹ (h)	3 / 4 / 10	7 / 8 / 40
BATTERY AND CASE		
Battery	1x Li-ion Battery Pack 3.7V	4x Li-ion Battery Pack 3.7V
Battery Capacity ² (Wh / mAh)	7.03 / 1900	28.12 / 7600
Rechargeable	Yes	Yes
Charging Time ⁵ (min)	210	450
IP Level	IP68	IP68
SIZE AND WEIGHT		
Width (mm)	69	87
Height (mm)	138	187
Weight incl. Battery (g / oz)	285 / 10.0	492 / 17.4
FEATURES		
	Magnetic Switch, Backup Mode, Battery Indicator, Charge Indicator, Low Battery Warning	Magnetic Switch, Backup Mode, Battery Indicator, Charge Indicator, Low Battery Warning
CERTIFICATION		
EX-Zone	0/21	0/21
Gas Group	IIA, IIB, IIC	IIA, IIB, IIC
Dust Group	IIIA, IIIB, IIIC	IIIA, IIIB, IIIC
Temperature Class	T4/T135°C	T4/T135°C
PACKAGING		
Item no. Sleeve Box / GTIN	502039 / 4058205016544	502040 / 4058205016575
Contents Box	1 Set of Rechargeable Batteries, Pocket Clip	1 Set of Rechargeable Batteries, Pocket Clip
Item no. Sleeve Box / GTIN	502406 / 4058205024860	502407 / 4058205024891
Contents Box	1 Set of Rechargeable Batteries, Adaptor Cable, Charging Station, Pocket Clip, Power Adapter	1 Set of Rechargeable Batteries, Adaptor Cable, Charging Station, Pocket Clip, Power Adapter
OPTIONAL ACCESSORIES		
	502408 Charging Station EXC6R	502409 Charging Station EXC7R

LED	2x Power LED
Light Functions	Spot + Flood Power / Spot Power / Flood Power / Spot Low Power
Luminous Flux ¹ (lm)	250 / 180 / 100 / 50
Beam Distance ¹ (m)	170 / 140 / 90 / 30
Run Time ¹ (h)	3 / 4 / 10 / 15
BATTERY AND CASE	1x Li-ion Battery Pack 3.7V
Battery Capacity ² (Wh / mAh)	7.03 / 1900
Rechargeable	Yes
Charging Time ⁵ (min)	210
IP Level	IP68
Width (mm)	56
Height (mm)	-
Weight incl. Battery (g / oz)	330 / 11.64
FEATURES	Magnetic Switch, Transportation Lock, Backup Mode, Battery Indicator, Charge Indicator, Low Battery Warning
CERTIFICATION	
EX-Zone	0/21
Gas Group	IIA, IIB, IIC
Dust Group	IIIA, IIIB, IIIC
Temperature Class	T4/T135°C
PACKAGING	
Item no. Sleeve Box / GTIN	502041 / 4058205016605
Contents Box	Adaptor Cable, Charging Station, Power Adapter
OPTIONAL ACCESSORIES	
	501595 Silicone Headband

EXH6R

NEW



03



02



05

EX-PROTECTED HEADLAMP FOR PROFESSIONALS

- 01** – Compact, versatile headlamp for explosive environments
- 02** – Lamp head swivels in both directions for individual adjustment of the light beam
- 03** – Separate LEDs for a focused high beam or a homogeneous, glarefree working light at close range
- 04** – Extreme dust and water protection: IP68
- 05** – Integrated, replaceable battery with charging station for vehicle installation
- 06** – Approval for mining (Ex ia I Ma)



EX7R

— 220 lm¹ 
 — 140 m¹ 
 — 45 h¹ 



- 01 – Suitable for the highest gas and dust groups (IIC/IIIC)**
- 02 – Magnetic Switch** for easy operation with gloves and protective equipment
- 03 – Dustproof and protected against powerful water jets (IP66 and IP68)**
- 04 – Advanced Focus System** – stepless focusing
- 05 – Rechargeable** via charging station



LED

LED Configuration
Light Functions
Luminous Flux ¹ (lm)
Beam Distance ¹ (m)
Run Time ¹ (h)

BATTERY AND CASE

Battery
Battery Capacity ² (Wh / mAh)
Rechargeable
Charging Time ⁵ (min)
IP Level

SIZE AND WEIGHT

Head Diameter (mm)
Length (mm)
Weight incl. Battery (g / oz)

TECHNOLOGY

Advanced Focus System
More Features

CERTIFICATION

EX-Zone
Gas Group
Dust Group
Temperature Class

PACKAGING

Item no. Sleeve Box / GTIN
Contents Box

OPTIONAL ACCESSORIES



EX4



EX7



EX7R 

EX4	EX7	EX7R
1x Power LED	1x Power LED	1x Power LED
Power	Power / Low Power	Power / Low Power
50	200 / 60	220 / 50
35	120 / 70	140 / 65
7	16 / 45	10 / 45
2x Micro (AAA) Alkaline 1.5V	3x Mignon (AA) Alkaline 1.5V	1x Li-ion Battery Pack 3.7V
–	–	12 / 3250
No	No	Yes
–	–	660
IP66 and IP68	IP66 and IP68	IP66 and IP68
20	41	41
140	161	161
65 / 2.3	232 / 8.2	228 / 8.0
–	●	●
–	–	Charge Indicator
0/20	0/20	1/21
IIA,IIB,IIC	IIA,IIB,IIC	IIA,IIB,IIC
IIIA,IIIB,IIIC	IIIA,IIIB,IIIC	IIIA,IIIB,IIIC
T4/T ₂₀₀ 135°C	T4/T ₂₀₀ 135°C	T4/T ₁₃₅ °C
500682 / 4058205000437	500836 / 4058205001243	500837 / 4058205001274
1 Set of Batteries	1 Set of Batteries, Belt Clip, Intelligent Clip	1 Set of Batteries, Belt Clip, Intelligent Clip, Charging Station, Power Supply
500954 Helmet Mount Type A	500957 Intelligent Clip Type G	500957 Intelligent Clip Type G
500955 Helmet Mount Type B	500958 Signal Cone 42mm	502261 5 Station Charging Panel
500956 Intelligent Clip Type F		500958 Signal Cone 42mm

¹⁻⁸ Information on page 10

