

**ecom**

A PEPPERL+FUCHS BRAND



Portable Lighting

**MORE LIGHT, MORE SAFETY,**  
PERFECT HANDLING

# Lite-Ex<sup>®</sup> PL 30e



UPDATE OF THE BESTSELLER

## SURPASSES ALL LED FLASHLIGHTS ON THE MARKET.

The Lite-Ex<sup>®</sup> PL 30e flashlight from ecom surpasses all other LED flashlights on the market.

The integrated 3 Watt LED, which is powered by 3 LR14 batteries, allows work to be conducted with extremely bright light for hours at a time.

In the new generation, a special reflector enables the illumination of larger surfaces.

The ergonomically designed, anti-static plastic housing ensures the flashlight fits perfectly in your hand and also provides excellent anti-slip protection.

The high IP65 protection rating prevents the permeation of dust and jet water. Use in harsh conditions is therefore not a problem.

## SIMPLE AND RELIABLE TWIST MECHANISM

The switch-on mechanism is yet another outstanding feature - the flashlight is switched on via a sturdy rotating ring. This eliminates annoying malfunctions and repairs due to a faulty switch, thereby saving the user both time and money.

## FEATURES

- Zone 0 / 20
- 1x high performance LED (3 Watt)
- 204 Lumen
- Ring switch
- Rugged housing
- High IP protection class IP65
- Diaphragm valve for pressure compensation

## ACCESSORIES

	ARTICLE NO.	PRODUCT DESCRIPTION
	A0002055	Leather holster
	ET002055	Sealing kit
	ET002056	Replacement lens
	ET002059	Ring switch

**Lite-Ex<sup>®</sup> PL 30e**  
LED FLASHLIGHT FOR ZONE 0 / 20



**+ 51 %  
ADDITIONAL  
LUMEN**

## SCOPE OF DELIVERY

- Lite-Ex<sup>®</sup> PL 30e
- Batteries
- Wrist strap
- User manual
- Ex-certificate
- EU Declaration of Conformity

## EX DATA

<b>ATEX</b> 	⊕ II 1 G Ex ia op is IIC T4 Ga IP65 ⊕ II 1 D Ex ia IIIC T130 °C Da IP65
<b>IECEX</b> 	Ex ia op is IIC T4 Ga IP65 Ex ia IIIC T130°C Da IP65

## TECHNICAL DATA

<b>Ambient temperature</b>	-20 °C ... +50 °C
<b>Storage temperature</b>	-30 °C ... + 60 °C (without batteries)
<b>Power supply</b>	3x LR 14 (type-tested)
<b>Light source</b>	1x 3 Watt LED
<b>Luminosity</b>	5,000 lux (at a distance of 1 m)
<b>Luminous flux</b>	204 lumens
<b>Operating time</b>	> 48 hrs (continuous operation)
<b>Dimensions</b>	approx. 220 x 55 / 42 mm (L x Ø)
<b>Weight</b>	approx. 530 g
<b>IP protection class</b>	IP65
<b>ESD protection</b>	Anti-static housing
<b>CE-designation</b>	CE 0102



# Lite-Ex® PL

# 10e HIGH PERFORMANCE LED



**AN ULTRA LIGHT AND BRIGHT TORCH, DESIGNED FOR EVERYDAY USE IN HAZARDOUS AREAS.**

It comes with the tried and tested, wear-resistant ring switch and a high performance LED. Its sophisticated lens ensures even and consistent illumination.

Despite its compact dimensions, the Lite-Ex® PL 10e is equipped with all of the features of its larger sibling.



## Lite-Ex® PL 10e LED FLASHLIGHT FOR ZONE 0 / 20

TECHNICAL DATA	
Ambient temperature	-20 °C ... +50 °C
Storage temperature	-30 °C ... +60 °C (without batteries)
Power supply	3 x LR03 / AAA (type-tested)
Light source	High performance LED
Luminosity	3,000 lux (at a distance of 1 m)
Luminous flux	64 lumens
Operating time	approx. 55 hrs
Dimensions	147 x 36 x 36 mm
Weight	approx. 120 g (with batteries)
IP protection class	IP65 / IP67
ESD protection	Anti-static housing
CE-designation	CE 0102

### SCOPE OF DELIVERY

- Lite-Ex® PL 10e
- Batteries
- Belt clip
- Wrist strap
- User manual
- Ex-certificate
- EU Declaration of Conformity

### FEATURES

- Zone 0/20
- High performance LED
- Luminosity: 3,000 lux (at a distance of 1 m)
- Extremely light and compact. Weight: only 120 g including batteries
- Operating time: approx. 55 hours
- Ring switch, easy to use
- Scratch-resistant thanks to the coated protective disc
- Rugged polyamide housing
- Diaphragm valve for pressure compensation
- Removable belt clip

### ACCESSORIES

	ARTICLE NO.	PRODUCT DESCRIPTION
	A0002044	Belt clip
	A0002045	Hand strap
	A0002046	Ring switch
	A0002047	Sealing kit
	A0002048	Replacement lens
	A0002050	Lamp head (only plastic part)
	A0002051	Leather holster

### EX DATA

	<ul style="list-style-type: none"> <li>• II 1 G Ex ia op is IIC T4 Ga IP65</li> <li>• II 1 D Ex ia IIIC T130°C Da IP65</li> </ul>
	<ul style="list-style-type: none"> <li>• Ex ia op is IIC T4 Ga IP65</li> <li>• Ex ia IIIC T130°C Da IP65</li> </ul>

# Lite-Ex® PL

# 10e H

PERFECT FIT  
EXTREMELY BRIGHT



**AN EXTREMELY RUGGED AND BRIGHT LED HEADLAMP. DESIGNED FOR EVERYDAY USE IN POTENTIALLY EXPLOSIVE AREAS CLASSIFIED AS ZONE 0 AND 20 IN ACCORDANCE WITH DIRECTIVE 1999/92/EC (ATEX).**





The Lite-Ex® PL 10e H is a headlamp which is based on the compact and powerful Lite-Ex® PL 10e flashlight. All of the features exhibited by the flashlight, such as the ring switch, luminosity level, IP protection class and degree of robustness are also present in this version.

To suit the users preference, the Lite-Ex® PL 10e H is available in two different optics in the scattering angles 6° or 25°.

The Lite-Ex® PL 10e H fits comfortably on a helmet and can be adjusted to the desired angle of inclination to ensure optimum illumination of the working area.

The innovative rubber band sits securely on a helmet and its texture prevents it from slipping, even when wet.

## ACCESSORIES

	ARTICLE NO.	PRODUCT DESCRIPTION
	A0002046 	Ring switch
	A0002048 	Replacement lens
	A0002050 	Lamp head (only plastic part)

## Lite-Ex® PL 10e H

HEADLAMP FOR ZONE 0 / 20



### SCOPE OF DELIVERY

- Lite-Ex® PL 10e H
- Batteries
- Headband
- User manual
- Ex-certificate
- EU Declaration of Conformity

### FEATURES

- Zone 0/20
- High performance LED
- 2 different optics (6° or 25°)
- Ring switch
- Scratch-resistant thanks to the coated protective disc
- Rugged polyamide housing
- Diaphragm valve for pressure compensation
- Durable headband

### EX DATA

<b>ATEX</b>	⊙ II 1 G Ex ia op is IIC T4 Ga IP65 ⊙ II 1 D Ex ia IIIC T130°C Da IP65
<b>IECEX</b>	Ex ia op is IIC T4 Ga IP65 Ex ia IIIC T130°C Da IP65

### TECHNICAL DATA

<b>Ambient temperature</b>	-20 °C ... +50 °C
<b>Storage temperature</b>	-30 °C ... +60 °C (without batteries)
<b>Power supply</b>	3 x LR03 / AAA (type-tested)
<b>Light source</b>	High performance LED
<b>Luminosity</b>	3,000 Lux (at a distance of 1 m / 6° optics) or 1,800 Lux (at a distance of 1 m / 25° optics)
<b>Luminous flux</b>	64 lumens
<b>Operating time</b>	approx. 55 hrs
<b>Dimensions</b>	approx. 60 x 87 x 69 mm (H x L x W)
<b>Weight</b>	approx. 180 g (incl. headband)
<b>IP protection class</b>	IP65 / IP67
<b>CE-designation</b>	CE 0102

# 3AA eLED® CPO TS



HIGH-END  
LED-TECHNOLOGY

**STATE-OF-THE-ART HIGH-END TECHNOLOGY  
PACKED INTO AN INCREDIBLY SMALL AND  
LIGHTWEIGHT FLASHLIGHT.**

The 3AA eLED® with high-end intrinsically safe LED technology is a step above standard LED torches. The 3AA eLED® flashlight is equipped with special eLEDs® and also features revolutionary CPO and TRS technology.

The light from the LED is focused and concentrated onto a reflector via a mirror in the optics. This offers a significant advantage in terms of light efficiency provided by the CPO (Compound Path Optics).

An electronic system keeps the light intensity at a constant level and ensures a white beam of light is maintained throughout the operational time.

The TRS (Thermal Recovery System) improves the battery efficiency of the torch by reclaiming energy lost through heat and redirecting it to the battery. This means that the light output of the eLED® can remain at the maximum level for a prolonged period of time while extending the battery life by up to 10%.

A rubberised switch means the flashlight can also be operated easily when wearing gloves.



## 3AA eLED® CPO TS LED FLASHLIGHT FOR ZONE 1 / 21

### FEATURES

- Zone 1 / 21
- Just 150 g including batteries
- TRS and CPO technology
- IP67
- Dust and waterproof (up to 3 m)
- Corrosion-resistant
- Pressure equalisation system



### EX DATA



ATEX

Ⓜ II 2G Ex eb ib IIC T6 Gb  
Ⓜ II 2D Ex ib IIC T61°C Db

### SCOPE OF DELIVERY

- 3AA eLED® CPO TS
- Batteries
- User manual
- EU Declaration of Conformity

### TECHNICAL DATA

Ambient temperature	-20 °C ... +40 °C
Storage temperature	-40 °C ... +50 °C
Power supply	3 x LR06 / AA (type-tested)
Light source	2 W power LED
Luminosity	approx. 2,000 lux (at a distance of 1 m)
Luminous flux	110 lumens
Operating time	6-8 hrs (continuous operation)
Dimensions	approx. 134 x 41 x 35 mm
Weight	approx. 150 g (with batteries)
IP protection class	IP67
ESD protection	Antistatic housing
CE-designation	CE 0102



# 2AAA

# eLED®

# PEN

## SMALL & BRIGHT

### SMALL AND HANDY PEN-SHAPED FLASHLIGHT WITH CONSISTENT LIGHT DISTRIBUTION .

The eLED® version of the penlight is characterised by its special light cone, which is produced by means of a specially developed lens system.

Unlike other lamps which generate a bright point of light at the centre of the cone and a weaker light around its periphery, the 2AAA projects a large cone with a bright and even distribution of the light.

At a distance of 60 cm, for example, the cone exhibits a diameter of 17 cm. A rubberised rear switch means the flashlight can also be operated easily when wearing gloves.

The rugged ABS housing is non-conductive, corrosion-resistant, as well as water and dust-proof.

The lamp's pen shape allows it to be worn like a ballpoint pen.



## 2AAA eLED® PEN

LED PENLIGHT FOR ZONE 1 / 21

### FEATURES

- Zone 1/21
- Just 102 g including batteries
- IP67
- Dust and water-proof (up to 1 m)
- 0.5 W power LED
- Rubberised rear switch

### SCOPE OF DELIVERY

- 2AAA eLED® PEN
- Batteries
- User manual
- EU Declaration of Conformity

TECHNICAL DATA	
Ambient temperature	-20 °C ... +40 °C
Storage temperature	-40 °C ... +60 °C
Power supply	2 x LR03 / AAA (type-tested)
Light source	0.5 W power LED
Luminosity	approx. 1,000 lux (at a distance of 1 m)
Luminous flux	35 lumens
Operating time	3 hrs (continuous operation)
Dimensions	approx. 135 x 25 x 22 mm
Weight	approx. 102 g (with batteries)
IP protection class	IP67

### EX DATA



Ⓢ II 2G Ex ib IIB T4 Gb  
Ⓢ II 2D Ex ib IIIC T60°C Db

# SHL 200-Ex

PERFECT  
HANDLING

## RUGGED AND POWERFUL HAND LAMP FOR INDUSTRIAL APPLICATION IN POTENTIALLY EXPLOSIVE ZONE 1 AND 21 AREAS.

The lamp features a main light, ambient light and flashing light mode, which can easily be activated via the main switch. The main light has a 3W LED which generates a light intensity of 24,000 cd that can also be dimmed.

The ergonomic design enables perfect handling and allows the lamp to be held securely in your hand whilst working.

If the main light fails or the battery capacity falls below 10% during operation, the lamp automatically switches to its ambient lighting mode.

The high performance battery enables continuous operation of up to 7 hours in the main lighting mode (approx. 18 hours in flashing operation).

An emergency lighting function is naturally also integrated.

The housing is manufactured from impact-resistant polyamide and offers a high level of robustness giving it an IP66 protection rating. The long-life Light source (LED) and the ability to replace the battery ensures maintenance costs are very low.



## SHL 200-Ex HAND LAMP FOR ZONE 1 / 21


### FEATURES

- Zone 1 / 21
- High light intensity
- State-of-the-art LED technology
- Pivoting lamp head
- Long battery life
- Dimmable main light
- Low weight

### SCOPE OF DELIVERY

- SHL 200-Ex
- Battery (integrated in the unit)
- Clear diffusing filter
- User manual
- Ex-certificate
- EU Declaration of Conformity

TECHNICAL DATA	
Ambient temperature	-20 °C ...+50 °C
Storage temperature	-25 °C ...+60 °C
Power supply	Lead-fleece battery 6V; 4.5 Ah
Light source	3W LED
Light intensity	24,000 cd
Luminous flux	211 lumens
Operating time (main light)	approx. 7 hrs (continuous operation)
Charging time	approx. 11 hrs
Dimensions	279 x 143 x 92 mm
Weight	1.45 kg (without charging station)
IP protection class	IP66
Charging station	12 V / 24 V & 230 V / AC
Dimensions of charging station	154 x 140 x 79 mm
CE-designation	CE 0102

EX DATA	
<b>ATEX</b>	Ⓜ II 2G Ex ib IIC T4 Gb
	Ⓜ II 2D Ex tb IIIC T75°C Db

# SHL 200-Ex

PERFECT  
HANDLING











The charging station is suitable for use with common supply voltages, such as 12V / 24V and 230V AC.

The package is rounded off by a comprehensive range of accessories, such as coloured diffusing filters and wall brackets.



**SHL 200-Ex**  
HAND LAMP FOR ZONE 1 / 21

## ACCESSORIES

	ARTICLE NO.	PRODUCT DESCRIPTION
	A0002143	Charging station
	A0002144 	Spare battery
	A0002145	Car charging cable
	A0002146	Wall bracket
	A0002147 - 2150 	Diffusing filters
	A0002151 	Shoulder strap
	A0002152	charging cable





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