

# ***Lite-Ex***

**Bedienungsanleitung  
Instruction manual  
Manuel d'Instructions  
Gebruiksaanwijzing**



# List of Contents

	Pages
1. Introduction	9
2. Safety Information	9
3. Faults and damage	9
4. Safety Regulations	9
5. Batteries	10
6. Lamps	11
7. Spare bulbs	11
8. Exchange of defective lamps Lite-Ex 15+20	12
9. Exchange of defective lamps Lite-Ex 23+25	13
10. Repair	13
11. Guarantee	14
12. Liability	14
13. Ex-Data	14

# 1. Introduction

The Lite-Ex is a robust and easy-to-handle Torch for multiple use in hazardous and rough environments.

# 2. Safety Information

A safe operation meets only the requirements prescribed when the information and warnings in this instruction manual have been observed.

# 3. Faults and damage

If there are any reasons to believe that the safety of the unit is affected, it must be taken out of service and precautionary steps taken to avoid further unintentional use. The safety of the unit may be affected if, e.g.

- External damage of the housing is visible
- The unit hasn't been stored correctly
- The unit has suffered damage from transportation

# 4. Safety Regulations

The use of the intrinsically safe Lite-Ex Torch meets only the requirements of the regulations if the user is aware of the regulations to avoid improper use of the unit.

# 5. Batteries

**Batteries must only be changed outside the hazardous area.**

**The following types are allowed to be used:**

## **Lite-Ex 15 / Lite-Ex 20:**

<b>Typ (LR6):</b>	<b>Supplier:</b>
Alkaline No. 4806	Varta
Alkaline Extra Longlife No. 4006	Varta
Alkaline Maxi Tech No. 4706	Varta
Alkaline Electric Power No. 8006	Varta
Alkaline	Duracell
Professional Alkaline Battery Procell	Duracell
Alkaline Ultra	Duracell
Alkaline Power Line Industrial Battery	Panasonic
Alkaline Energizer	Eveready
Super Alkaline Battery 15A	GP
Alkaline	Daimon
Maximum Alkaline Battery	Rayovac
Alkaline Battery	Double
	Lion King
Alkaline	RS

## **Lite-Ex 23:**

<b>Typ (LR14):</b>	<b>Supplier:</b>
Alkaline Electric Power No. 8014	Varta

## **Lite-Ex 25:**

<b>Typ (LR20):</b>	<b>Supplier:</b>
Alkaline Electric Power No. 8020	Varta

**The use of other types of battery is strictly forbidden. The Ex-Data must be observed.**

## 6. Bulbs

Bulbs must only be changed outside the hazardous area.

The following types are allowed to be used:

- Lite-Ex 25 – AMPERCELL AC2C/2D/BB
- Lite-Ex 23 – AMPERCELL AC2C/2D/BB
- Lite-Ex 20 – AMPERCELL AC2300/BB
- Lite-Ex 15 – AMPERCELL AC2640/BB

The use of other types of bulb is strictly forbidden.

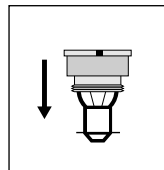
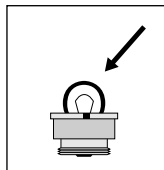
The Ex-Data must be observed.

## 7. Spare bulbs

A spare bulb is placed in the torch base.

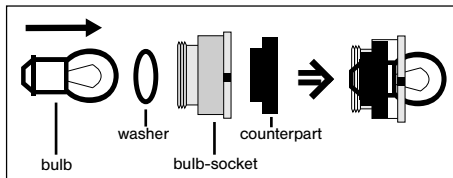
## 8. Exchange of defective Bulbs Lite-Ex 15 + 20

1. Remove Batteries by screwing off the torch cap clockwise.
2. Twist Head clockwise until limit is reached.
3. Screw off lens socket anti-clockwise and take out reflector.
4. Twist bulb-socket anti-clockwise with long-nose-plier.
5. Press defective bulb down through the bulb-socket (Fig. 1 + 2).



(Fig. 1 + 2)

6. Insert new bulb with washer from the bottom into the counterpart and press until it is fixed.
7. Apply bulb-socket and go on in reverse action.



(Fig. 3)

## 9. Exchange of defective Bulbs Lite-Ex 23 + 25

1. Remove Batteries by screwing off the torch cap clockwise.
2. Twist Head clockwise until limit is reached.
3. Screw off lens socket anti-clockwise and take out reflector.
4. Twist bulb-socket anti-clockwise with fingers.
5. Take out defective bulb and insert new one.
6. Apply bulb-socket and go on, in reverse action.

## 10. Repair

The general terms and conditions of ELEX V apply to repair work. The manufacturer must carry out the repair since the protective circuits must be checked after repair for safety reasons.

## 11. Guarantee

We guarantee the material- and functionality properties for a period of one year after date of delivery. Claims can be made under guarantee by sending the defective unit to us. We reserve the right to repair, recalibrate, or replace the unit.

## 12. Liability

ECOM accepts liability for the provisions of the guarantee. No responsibility is accepted for damage, costs, or losses arising from the use or purchase of the unit. ECOM will not be responsible for any special damages that occur or for consequential damages.

## 13. Ex-Data

### Certification:

 II 2 G EEx e ia IIC T4

### Certificate of Conformity:

TÜV 99 ATEX 1409



**ECOM Rolf Nied GmbH**

Industriestr. 2

D-97959 Assamstadt

Tel.: +49 (0) 62 94/42 24 0

Fax: +49 (0) 62 94/42 24 90

E-Mail: [sales@ecom-ex.com](mailto:sales@ecom-ex.com)

Internet: [www.ecom-ex.com](http://www.ecom-ex.com)

Z-Nr: 350B0101 02/01