

## (1) EC-Type Examination Certificate

(2) Devices and shielding systems intended for regulated use in explosive areas, **Directive 94/9/EC**

(3) **Certificate number:** TÜV 07 ATEX 553464 X

(4) for the device: Explosion-proof LED headlamp Lite-Ex KL 10

(5) from the manufacturer: **ecom instruments GmbH**

(6) Address: Industriestr. 2  
97959 Assamstadt

Order number: 8000553464

Date of issue: 16.05.2007

(7) The construction of this device and the various permissible details are specified in the appendix to this EC-Type Examination Certificate.

(8) As notified body No. 0044, according to article 9 of the Council Directive of the European Communities dated 23 March 1994 (94/9/EC), TÜV NORD CERT GmbH certifies the fulfilment of the fundamental safety and health requirements for the conception and construction of devices and protective systems for intended use within explosive areas in accordance with appendix II of the directive. The results of the examination are specified in the confidential inspection report No. 07 203 553464.

(9) The fundamental safety and health requirements are fulfilled through compliance with:

**EN 60079-0:2004**      **EN 50020:2002**

(10) If the character "X" appends the certificate number, it refers to special conditions in the appendix to this certificate for the safe application of the device.

(11) This EC-Type Examination Certificate only refers to the design and examination of the specified device in accordance with Directive 94/9/EC. Further requirements of this directive apply to the production and marketing of this device. These requirements are not covered by this certificate.

(12) The designation of the device must contain the following details:

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TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, accredited by the Central Authority of the Federal States for Safety (ZLS), ID No. 0044. Assignee of TÜV NORD CERT GmbH & Co. KG ID No. 0032

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This certificate may be only be published in its unaltered state.  
Any extracts or alterations require authorisation from TÜV NORD CERT GmbH

**(13) APPENDIX**

**(14) EC-Type Examination Certificate No. TÜV 07 ATEX 553464 X**

(15) Description of the device

The Lite-Ex KL 10 is a headband lamp with an LED bulb. It contains a two-stage on/off switch, suitable for adjusting the brightness, as well as controlling electronics. The power is supplied via two suitable micro batteries.

Permissible ambient temperature range	- 20 °C to + 50 °C
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(16) Test documents are listed in inspection report No. 07 203 553464

(17) Special conditions

- The equipment may only be operated with the designated leather case.
- The equipment may not be opened inside the Ex-area.
- The batteries may only be exchanged outside the Ex-area.
- Additional batteries must not be carried in the Ex-area.
- Only those batteries specified in the manufacturer's safety instructions may be used.
- Only the accessories approved by the manufacturer may be used.
- Avoid contact between the equipment and abrasive acids or bases.

(18) Fundamental safety and health requirements

no additional requirements