

EU - Type Examination Certificate

(1)

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU

(3) EU - Type Examination Certificate Number

EPS 16 ATEX 1 170 X

Revision 0

(4) Equipment: LED-Flashlight type Lite-Ex PL *

(5) Manufacturer: ecom instruments GmbH

(6) Address: Industriestraße 2
97959 Assamstadt
Germany

(7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 16TH0368.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013

EN 60079-11:2012

EN 60079-28:2015

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.

(11) This EU - Type Examination Certificate relates only to the design and examination of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

(12) The marking of the equipment shall include the following:

 II 1G Ex ia op is IIC T4 Ga IP65

 II 1D Ex ia IIIC T130°C Da IP65



Certification department of explosion protection

H. Schaffer

Nuremberg, 2017-04-28

(13)

Annex

(14) **EU - Type Examination Certificate EPS 16 ATEX 1 170 X**

Revision 0

(15) Description of equipment:

The LED-flashlight type Lite-Ex PL * is a handheld product family, which is designed for use in zones 0/20.

The flashlights are made of an aluminium housing consisting of several pieces, which in turn are enclosed by an exterior plastic housing. The plastic housing is electrostatically conductive. The light source is a light-emitting diode which is powered by appropriate batteries.

Electrical data:

Lite-Ex PL 10e and Lite-Ex PL 10e H are powered by 3 batteries type LR03.
Lite-Ex PL 30e is powered by 3 batteries type LR14.

Ambient temperature range:

-20 °C to +50 °C

(16) Reference number: 16TH0368

(17) Special conditions for safe use:

The housing shall never be opened inside the hazardous area.
The batteries shall only be replaced outside the hazardous area and only with battery types approved by the manufacturer.
The safety instructions provided by the manufacturer shall be observed.

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Nuremberg, 2017-04-28

