

(1) **EC-TYPE EXAMINATION CERTIFICATE**

(2) Equipment or protective system intended for use in potentially explosive atmospheres - Directive 94/9/EC

(3) EC-Type Examination Certificate Number: **KEMA 03ATEX2014 X**

(4) Equipment or protective system: **Hand Lamps Types KE-EX 6836/... and KE-EX 6855/...**

(5) Manufacturer: **Indulux Nederland B.V.**

(6) Address: **Diamantstraat 558, 7550 AN Hengelo, The Netherlands**

(7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system 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 to the directive.

The examination and test results are recorded in confidential report no. 2016401.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 50014 : 1997   EN 50018 : 2000   EN 50019 : 2000   EN 500281-1-1 : 1998**

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

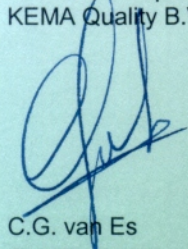
(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment or protective system according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

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



**II 2 GD   EEx de IIC T6   T 80 °C**

Arnhem, 4 September 2003  
KEMA Quality B.V.



C.G. van Es  
Certification Manager

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## SCHEDULE

- (13)
- (14) **to EC-Type Examination Certificate KEMA 03ATEX2014 X**

(15) **Description**

The Hand Lamps Types KE-EX 6836/... and KE-EX 6855/... consist of a polycarbonate tube containing a flameproof lamp compartment and a terminal compartment in type of explosion protection increased safety "e". The lamp is provided with a cable gland or with a cable gland and permanently connected unterminated power supply cable.

Ambient temperature range -20 °C to +40 °C.

The maximum surface temperature of the enclosure T 80 °C is based on a maximum ambient temperature of 40 °C.

**Electrical data**

Hand Lamp type KE-EX 6836/...

Supply voltage ..... 240 V max.  
 Rated power ..... 36 W max.

Hand Lamp type KE-EX 6855/...

Supply voltage ..... 240 V max.  
 Rated power ..... 55 W max.

**Installation instructions**

The cable entry device shall be in type of explosion protection increased safety "e" suitable for the conditions of use and correctly installed. For use in the presence of combustible dust the cable entry device shall be in type of explosion protection increased safety "e" or flameproof enclosure "d" and shall have an IP 6X rating according to EN 60529.

**Routine tests**

The electrical strength test shall be carried out in accordance with EN 50019 : 2000, clause 7 between the supply terminals with a voltage of 1500 V, during 1 minute.

Routine tests according to Clause 16 of EN 50018 are not required for the flameproof polycarbonate tube since the type test has been made at a static pressure of four times the reference pressure.

(16) **Report**

KEMA No. 2016401.

(17) **Special conditions for safe use**

The free end of the permanently connected unterminated power supply cable shall be connected by using a suitable certified junction box or plug and socket assembly.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

1. EC-Type Examination Certificate PTB 99ATEX3117U

dated

2. Drawings in accordance with index KE-EX 6836/55-D-01

28.02.2003