

(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 02ATEX1257 X**

(4) Equipment or protective system: **Obstruction Light/General Light Fitting Type IQL...**

(5) Manufacturer: **IMT bv.**

(6) Address: **Veersteeg 17, 4212 LR Spijk, 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. 207006200.


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

**EN 50014 : 1997    EN 50019 : 2000    EN 50028 : 1987    EN 50281-1-1 : 1998**

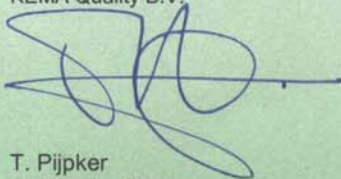
(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance with 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:

 **2 GD    EEx me II T4    T 135 °C or**  
**2 GD    EEx me II T3    T 160 °C**

Arnhem, 30 January 2004  
KEMA Quality B.V.



T. Pijpker  
Certification Manager

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(13)

## SCHEDULE

(14)


to EC-Type Examination Certificate KEMA 02ATEX1257 X

(15) **Description**

The Obstruction Light/General Light Fitting Type IQL ... utilises the concept of light generation based on the principle of induction. The light is provided with a red, green, yellow or with a clear glass cover.

Ambient temperature range: -40 °C ... +40 °C.  
Degree of ingress protection: IP 66

### Marking

The types IQL 85 and IQL 55 are marked with :  II 2 GD EEx me II T4 T 135 °C

The type IQL 165 is marked with :  II 2 GD EEx me II T3 T 160 °C

### Electrical data

Supply voltage:..... 185 - 256 Vac, 50 - 60 Hz  
Power:..... 165 W (type IQL 165)  
85 W (type IQL 85)  
55 W (type IQL 55)

### Installation instruction

For external electrical connection the IQL ... can be provided with a terminal box or with a permanently connected unterminated power supply cable.

For the version provided with a terminal box, the cable entry device shall be certified in type of explosion protection increased safety "e", suitable for the conditions of use and correctly installed.

The IQL ... must be protected by either a cartridge fuse or an automatic fuse release with the same or better switch off curve as mentioned in the installations instructions provided by the manufacturer.

### Routine tests

After encapsulation, the IQL ... shall be subjected to the following routine tests as described in clause 7 of EN 50028 : 1987:

#### Visual check

The encapsulation shall have no visible defects, such as cracks in the sealing material, exposure of the encapsulated parts, flaking, impermissible shrinkage, discoloration, swelling, decomposition or softening.

#### Checking the electrical data

The electrical data of the encapsulated equipment shall be checked by measurement of voltage, current and power.

#### Electrical strength test

The electrical strength test shall be carried out between the supply terminals or supply cable and ground terminal with a test voltage of 1500 V, during 1 minute.

(13)

## SCHEDULE

(14)

to EC-Type Examination Certificate KEMA 02ATEX1257 X

(16) **Report**

KEMA No. 207006200.

(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. For combustible dust applications, the junction box shall have an IP 6X rating according to EN 60529.

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

Covered by the standards listed at (9).

(19) **Test documentation**

1. EC-Type Examination Certificate PTB 01 ATEX 1061 U  
PTB 99 ATEX 3132 U  
BAS 01 ATEX 2078 X  
BAS 01 ATEX 2076 X

Certificate of Conformity KEMA No. Ex-94.C.8470

dated

2. Index sheets IQL55KL01, rev. A 05.11.2002  
IQL85KL01, rev. A 05.11.2002  
IQLPC01, rev. A 05.11.2002  
IQL165DS01, rev. A 05.11.2002