



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

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**

(3) EC-type-examination Certificate Number:

PTB 08 ATEX 1001 X



(4) Equipment: Wall- and ceiling-mounted luminaire AB 05 or GHG 86 R10 ..

(5) Manufacturer: Cooper Crouse-Hinds GmbH

(6) Address: Neuer Weg Nord 49, 69412 Eberbach, Germany

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

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, 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 to the Directive.

The examination and test results are recorded in the confidential report PTB Ex 08-16022.

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

EN 60079-0:2006

EN 60079-1:2004

(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 schedule to this certificate.

(11) This EC-type-examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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

II 2 G Ex d IIB+H₂ T3 and T4

Zertifizierungsstelle Explosionsschutz

Braunschweig, February 8, 2008

By order:

Dr.-Ing. M. Thiedens
Oberregierungsrat



(13)

SCHEDULE

(14)

EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 1001 X

(15) Description of equipment

The luminaire enclosure is an aluminium casting, which is designed to Flameproof Enclosure "d" type of protection. There is a flat flameproof joint between the enclosure top and bottom sections. The translucent part is made from borosilicate glass, which is mounted in the luminaire top with sealing compound.

Separately certified cable entry fittings provide for power input.

Technical data

Rated voltage	Luminous element	Ambient temperature	Temperature class
230 V	HS. (NAV) 70 W	-20 °C to 55 °C	T4
230 V	HM. (HQL) 80 W	-20 °C to 55 °C	T4
230 V	Filament lamp 40 W	-20 °C to 55 °C	T4
230 V	Filament lamp 60 W	-20 °C to 55 °C	T4
230 V	Filament lamp 100 W	-20 °C to 40 °C	T4
230 V	Filament lamp 200 W	-20 °C to 40 °C	T3

HS. (NAV) - high-pressure sodium-vapour lamps

HM. (HQL) - high-pressure mercury-vapour lamps

(16) Test report PTB Ex 08-16022

(17) Special conditions for safe use

When wall-mounted, the luminaire must not be installed with the cable entered from above.

Depending on the type of luminaire used, cables and cable entry fittings must provide a specific temperature resistance. For specifications, please refer to the operating instructions.

Additional notes for safe operation:

Special screw-and-washer assemblies of strength class A4-70 must be used for complete enclosure of the flameproof compartment. For specifications, please refer to the operating instructions.

Components attached or installed (terminal compartments, bushings, cable entry fittings, connectors) have to be of a technical standard that complies with the specifications on the cover sheet. They must be suited for the operating conditions, and be covered by a separate examination certificate. The special conditions specified for the components must be complied with, and the components may have to be included in the type test.

(18) Essential health and safety requirements

Met by compliance with the afore-mentioned Standards.

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Braunschweig, February 8, 2008

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Dr.-Ing. M. Thedens
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