



Translation

# EC-Type Examination Certificate

(1)

(2)

- Directive 94/9/EC -  
Equipment and protective systems intended for use  
in potentially explosive atmospheres

(3)

**BVS 07 ATEX E 152 X**

(4)

**Equipment:** Wall / ceiling light type AB 05 531\*\*R\*0\*\*  
and, alternatively, type GHG 86 531\*\*R\*0\*\*

(5)

**Manufacturer:** Cooper Crouse-Hinds GmbH

(6)

**Address:** 69412 Eberbach, Germany

(7)

The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this type examination certificate.

(8)

The certification body of DEKRA EXAM GmbH, notified body no. 0158 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament and the Council 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 test and assessment report BVS PP 08.2037 EG.

(9)

The Essential Health and Safety Requirements are assured by compliance with:

EN 60079-0:2006	General requirements
EN 60079-1:2004	Flameproof enclosure
EN 60079-7:2003	Increased safety
EN 61241-0 2006	General requirements
EN 61241-1 2004	Protection by enclosures

(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 appendix to this certificate.

(11)

This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to 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 2G Ex de IIC T3/T2**  
**II 2D Ex tD A21 IP66 T 125 °C**

**DEKRA EXAM GmbH**

- Bochum, dated 09. April 2008

Signed: Dr. Jockers

Signed: Dr. Eickhoff

Certification body

Special services unit

(13) Appendix to

(14) **EC-Type Examination Certificate**

**BVS 07 ATEX E 152 X**

(15) 15.1 Subject and type

Wall and ceiling light type AB 05 531\*\*R\*0\*\* and, alternatively, type GHG 86 531\*\*R\*0\*\*

The asterisks of the type marking will be replaced by additional numbers marking the version with a screw thread and other numbers not relevant for this certificate.

15.2 Description

The wall and ceiling light serves the purpose of being used in potentially explosive atmospheres of Group II, Category 2G as well as in potentially explosive atmospheres of Category 2 D where hazardous dust might be present.

The light is manufactured with an enclosure base of light alloy casting featuring a guard and a glass dome.

In atmospheres of temperature class T2, a 60 W light bulb is used as a luminaire according to IEC/EN 60432-1 and 60064, respectively.

In atmospheres of temperature class T3, a 60 W light bulb is used as a luminaire according to EN 60064 and DIN 49810 (marked with the symbol 'T' in compliance with DIN 30600, sheet 80).

15.3 Parameters

Nominal voltage	230 V
Rated power	60 W
Luminaire	Common light bulb with E27 thread according to IEC/EN 60432-1 or EN 60064 of up to 60 W
Ambient temperature range	-20 °C up to +55 °C

(16) Test and assessment report

BVS PP 08.2037 EG as of 09.04.2008

(17) Special conditions for safe use

The wall and ceiling light is suitable for use in an ambient temperature range of -20 °C up to +55 °C. For ambient temperature ranges exceeding +40 °C heat-proof cables and conduits have to be used that provided a resistance to temperatures of minimum 75 °C.

If used in atmospheres of temperature class T3, only a common 60 W light bulb may be used as a luminaire according to EN 60064 and DIN 49810 (marked with the symbol 'T' in compliance with DIN 30600, sheet 80).

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We confirm the correctness of the translation from the German original.  
In the case of arbitration only the German wording shall be valid and binding.

44809 Bochum, 08.10.2008  
BVS-Ld/Ar E 1451/08

**DEKRA EXAM GmbH**



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Certification body



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Special services unit