



Translation

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 151

(4)

Equipment: Wall / ceiling light type AB 05 6*1**R10**
and, alternatively, type GHG 86 6*1**R10**

(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 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 08.2094 EG.

(9)

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

EN 60079-0:2006	General requirements
EN 60079-15:2005	Type of protection 'n'
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 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 3G Ex nR II T4/T3
II 3D Ex tD A22 IP66 T 100°/T125°/T140°C**

DEKRA EXAM GmbH

Bochum, dated 30. June 2008

Signed: Dr. Jockers

Signed: Dr. Eickhoff

Certification body

Special services unit

(13) Appendix to

(14) **Type Examination Certificate**

BVS 07 ATEX E 151

(15) 15.1 Subject and type

Wall and ceiling light type AB 05 6*1**R10** and, alternatively, type GHG 86 6*1**R10**

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 3G as well as in potentially explosive atmospheres of Category 3D 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 T4 (T100°C), a 23 W energy-saving bulb is used as a luminaire.

In atmospheres of temperature class T4 (T125°C) luminaires of up to 100 W (i.e. light bulbs according to IEC/EN 60064 of up to 100 W, high-pressure sodium lamps of up to 70 W, mercury-vapour lamps of up to 80 W or energy-saving bulbs of up to 23 W) can be used.

In atmospheres of temperature class T3 (T140°C) a 200 W light bulb is used as a luminaire according to IEC/EN 60064.

15.3 Parameters

Nominal voltage	230 V
Rated power	60 up to 200 W
Luminaire	Common light bulb with E27 thread according to IEC and EN 60064, 60 W, 100 W or 200 W; high-pressure sodium lamps of up to 70 W; mercury-vapour lamps of up to 80 W; or energy-saving bulbs of up to 23 W
Ambient temperature range	-55 °C up to +55 °C

(16) Test and assessment report

BVS PP 08.2094 EG as of 30.06.2008

(17) Special conditions for safe use

None

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



Certification body



Special services unit



Translation

1st Supplement

(Supplement in accordance with Directive 94/9/EC Annex III number 6)

to the EC-Type Examination Certificate BVS 07 ATEX E 151

Equipment: Wall / ceiling light type AB05

Manufacturer: Cooper Crouse Hinds GmbH

Address: 69412 Eberbach, Germany

Description

The wall / ceiling light type AB05 can be modified with an unchanged type code according to the descriptive documents as mentioned in the pertinent test and assessment report

The Essential Health and Safety Requirements of the modified equipment are assured by compliance with:

EN 60079-0:2006	General requirements
EN 60079-15:2005	Type of protection 'n'
EN 61241-0:2006	General requirements
EN 61241-1:2004	Protection by enclosures

The marking of the equipment shall include the following:



II 3G Ex nR II T4/T3

II 3D Ex tD A22 IP66 T100°C/T125°C/T140°C

Special conditions for safe use

None

Test and assessment report

BVS PP 08.2094 EG as of 18.02.2009

DEKRA EXAM GmbH

Bochum, dated 18. February 2009

Signed: Dr. Eickhoff

Signed: Dr. Wittler

Certification body

Special services unit

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, 08.05.2009
BVS-Ld/Ar A 20080975

DEKRA EXAM GmbH

W. Eickhoff

Certification body

Dr. Wittler

Special services unit



Translation

2nd Supplement

(Supplement in accordance with Directive 94/9/EC Annex III number 6)

to the Type Examination Certificate BVS 07 ATEX E 151

Equipment: Wall and ceiling lamp type GHG 86 6*1**R10* (AB05)

Manufacturer: Cooper Crouse-Hinds GmbH (CEAG)

Address: 69412 Eberbach, Germany

Description

The wall and ceiling lamp can be used in potentially explosive atmospheres of group II category 3G as well as in potentially explosive atmospheres where combustible dusts are present, category 3D.

The lamp consists of an enclosure bottom made from light metal die cast with a guard and a glass cover

If used in areas of temperature class T4 (T100°C), a 23 W energy saving lamp is used as a luminaire.

If used in areas of temperature class T4 (T125°C), luminaires up to 100 W (light bulb according to IEC/EN600064 up to 100 W, high pressure sodium lamp up to 70 W, mercury lamp up to 80 W or energy saving lamp up to 23 W) can be used.

If used in areas of temperature class T3 (T140°C), a 200 W light bulb according to IEC/EN60064 is used.

Reason for this supplement is the update to the actual standards.

The wall and ceiling lamp can be modified according to the descriptive documents as mentioned in the pertinent test and assessment report.

The Essential Health and Safety Requirements of the modified equipment are assured by compliance with:

EN 60079-0:2009 General requirements
EN 60079-15:2005 Type of protection „n“
EN 60079-31:2009 Protection by enclosure

The marking of the equipment shall include the following:



II 3G Ex nR IIC T4/T3 Gc
II 3D Ex tc IIIC T100°C/T125°C/T140°C Dc IP66

Special conditions for safe use

None

Test and assessment report

BVS PP 08.2094 EG as of 25.08.2010

DEKRA EXAM GmbH

Bochum, dated 25 August 2010

Signed: Simanski

Certification body

Signed: Dr. Wittler

Special services unit

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, 25.08.2010
BVS-Kr/Her A 20100539

DEKRA EXAM GmbH



Certification body



Special services unit