

Translation

# Type Examination Certificate Supplement 4

Change to Directive 2014/34/EU

2 Equipment intended for use in potentially explosive atmospheres  
Directive 2014/34/EU

3 Type Examination Certificate Number: **BVS 07 ATEX E 151**

4 Product: **Wall and ceiling lamp type GHG 866 \*1\*\* R 10 \*\*,  
alt. AB05 6\*1\*\* 100 \*\***

5 Manufacturer: **Cooper Crouse-Hinds GmbH**

6 Address: **Neuer Weg-Nord 49, 69412 Eberbach, Germany**

7 This supplementary certificate extends Type Examination Certificate No. BVS 07 ATEX E 151 to apply to products designed and constructed in accordance with the specification set out in the appendix of the said certificate but having any variations specified in the appendix attached to this certificate and the documents referred to therein.

8 DEKRA EXAM GmbH certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products 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 No. BVS PP 08.2094 EU.


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

**EN 60079-0:2012 + A11:2013** General requirements  
**EN 60079-15:2010** Type of protection „n”  
**EN 60079-31:2014** Protection by Enclosure “t”

10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

11 This Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

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

DEKRA EXAM GmbH  
Bochum, 2016-11-21

Signed: Jörg Koch

Certifier

Signed: Dr. Franz Eickhoff

Approver

13 **Appendix**

14 **Type Examination Certificate**

**BVS 07 ATEX E 151  
Supplement 4**

15 **Product description**

15.1 **Subject and type**

Wall and ceiling lamp type GHG 866 <sup>\*1)1\*2)\*3)</sup> R 10 <sup>\*\*4)</sup>, alt. AB05 6<sup>\*1)1\*2)\*3)</sup> 100 <sup>\*\*4)</sup>

- 1): Lamp
- 1 = High pressure sodium lamp (HST und HSE)
  - 2 = High pressure mercury lamp (HMT und HME)
  - 3 = Bulb
  - 4 = Energy saving lamp

- 2): Entry thread left side
- 1 = M20 x 1.5
  - 2 = M25 x 1.5
  - 3 = NPT 1/2"
  - 4 = NPT 3/4"

- 3): Entry thread right side
- 1 = M20 x 1.5
  - 2 = M25 x 1.5
  - 3 = NPT 1/2"
  - 4 = NPT 3/4"

- 4): Without relevance for Ex-protection

15.2 **Description**

With this supplement the certificate is changed to Directive 2014/34/EU (Annotation: In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.)

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/EN 600064 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/EN 60064 is used.

Reason for this supplement:

- Change to Directive 2014/34/EU
- Update of the standards.
- Optionally use of alternative ballasts

15.3 Parameters

Type of lamp	Rated voltage [V]	Rated power [W]	Ambient temperature range	Temperature class / Surface temperature
Energy saving lamp	230	23	-25 °C - +55 °C	T4 / T100 °C
High pressure sodium lamp		70		T4 / T125 °C
High pressure mercury lamp		80	-55 °C - +55 °C	T4 / T125 °C
Light bulb		60		T4 / T125 °C
	100	T4 / T125 °C		
	200	T3 / T140 °C		

16 Report Number

BVS PP 08.2094 EU, as of 2016-11-21

17 Special Conditions for Use

None

18 Essential Health and Safety Requirements

The Essential Health and Safety Requirements are covered by the standards listed under item 9.

19 Drawings and Documents

Drawings and documents are listed in the confidential report.

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.

DEKRA EXAM GmbH  
Bochum, dated 2016-11-21  
BVS-Pe/Nu A 20150432

\_\_\_\_\_  
Certifier

\_\_\_\_\_  
Approver