

Translation

EU-Type Examination Certificate Supplement 2

Change to Directive 2014/34/EU

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

EU-Type Examination Certificate Number: **BVS 08 ATEX E 133**

Product: **Ex luminaire type USL 05-Ex / USL 05LED-Ex**

Manufacturer: **F. H. Papenmeier GmbH & Co. KG**

Address: **Talweg 2, 58239 Schwerte, Germany**

This supplementary certificate extends EC-Type Examination Certificate No. BVS 08 ATEX E 133 to apply to products designed and constructed in accordance with the specification set out in the appendix of the said certificate but having any acceptable variations specified in the appendix to this certificate and the documents referred to therein.

DEKRA Testing and Certification GmbH, Notified Body number 0158, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 09.2096 EU.

The Essential Health and Safety Requirements are assured in consideration of:


EN IEC 60079-0:2018
EN 60079-1:2014
EN 60079-31:2014

General requirements
Flameproof enclosure "d"
Protection by Enclosure "t"

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.

This EU-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.

The marking of the product shall include the following:

 **II 2G Ex db IIC T* Gb**
II 2D Ex tb IIIC T*°C Db

The values for * are to be taken from the type table under section 15.3 Parameters.

DEKRA Testing and Certification GmbH
Bochum, 2019-08-22

Signed: Jörg-Timm Kilisch

Managing Director



13 **Appendix**
 14 **EU-Type Examination Certificate**

BVS 08 ATEX E 133
Supplement 2

15 **Product description**

15.1 **Subject and type**

Ex luminaire type USL 05-Ex / USL 05LED-Ex

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 enclosure of the Ex luminaire type USL05-Ex / USL 05LED-Ex consists of an enclosure body and a screw lid. The translucent part of the luminaire is glued into the screw lid. As a seal, an O-ring seal is embedded in the end face of the housing body.

Reasons for the supplement:

- Update to the new directive 2014/34/EU
- Update to the current standard status
- Adding new variants

15.3 **Parameters**

Temperature assignment type USL 05-Ex

Variant	Rated voltage	Ambient temperature range	
		$-20\text{ °C} \leq T_a \leq +40\text{ °C}$	$-20\text{ °C} \leq T_a \leq +60\text{ °C}$
12 V / 5 W	12 V AC/DC	T6 / T80 °C	T4 / T130 °C
115 V / 12 V / 5 W	115 V AC	T6 / T80 °C	T4 / T130 °C
230 V / 12 V / 5 W	230 V AC	T6 / T80 °C	T4 / T130 °C
12 V / 20 W	12 V AC/DC	T4 / T130 °C	T3 / T195 °C
24 V / 20 W	24 V AC/DC	T4 / T130 °C	T3 / T195 °C
24 V / 20 W	24 V AC/DC	120 °C / T120 °C	---
24 V / 20 W (f ≤ 1 Hz)	24 V AC/DC	120 °C / T120 °C	---
230 V / 4 W	230 V AC/DC	---	T6 / T80 °C

Temperature assignment type USL 05LED-Ex

Variante	Rated voltage	Ambient temperature range
		$-20\text{ °C} \leq T_a \leq +50\text{ °C}$
24 V / 7.5 W	24 V AC/DC	T6 / T80 °C
230 V / 7.5 W	110 – 230 V AC	T6 / T80 °C



16 **Report Number**

BVS PP 09.2096 EU, as of 2019-08-22

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 Testing and Certification GmbH
 Bochum, 2019-08-22
 BVS-Wlo/Mu A 20190138



 Managing Director