**Translation** 

# EU-Type Examination Certificate Supplement 2

Change to Directive 2014/34/EU

- 2 Equipment intended for use in potentially explosive atmospheres Directive 2014/34/EU
- 3 EU-Type Examination Certificate Number: BVS 08 ATEX E 134
- 4 Product: Ex-luminaire type USL45ALED-Ex
- 5 Manufacturer: F. H. Papenmeier GmbH & Co. KG
- 6 Address: Talweg 2, 58239 Schwerte, Germany
- This supplementary certificate extends EC-Type Examination Certificate No/BVS/08/ATEX E 134 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 06/21/14/EU

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

EN IEC 60079-0:2018

EN 60079-1:2014

EN 60079-31:2014

EN 60079-31:2014

EN 60079-31:2014

EN 60079-31:2014

- 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.
- 12 The marking of the product shall include the following



II 2G Ex db IIC T6 Gb II 2D Ex tb IIIC T80°C Db

DEKRA Testing and Certification GmbH Bochum, 2022-02-10

Signed: Jörg-Timm Kilisch

**Managing Director** 



Page 1 of 3 of BVS 08 ATEX E 134 / N2 – Jobnumber 342007000 This certificate may only be reproduced in its entirety and without any change.

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

**BVS 08 ATEX E 134** Supplement 2

- 15 **Product description**
- 15.1 Subject and type

Ex-luminare type USL45ALED-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 housing of the Ex luminaire type USL45ALED-Ex consists of a housing body and a screw cap. The light-transmitting part of the luminaire is glued into the screw cap

The luminaire is used with colored glasses as a vehicle or signal luminaire and can optionally be operated with one of four different LED modules. The supply voltage here is 12 VDC of 24 VDC.

An O-ring seal is embedded in the front surface of the housing body as a seal

### Reason for the supplement:

- Change to the directive 2014/34/EU
- Updating of the applied standard and adaptation of the Ex marking
- Addition of the type USL45ALED-Ex
- Omission of the type USL45A-Ex
- Change of the ambient temperature range
- Change of temperature class and surface temperature in the Ex marking
- Change of the electrical parameters

#### **Parameters** 15.3

15.3.1 Electrical parameters

> Rated voltage Maximum power

24 VDC or 2 W up to

15.3.2 Thermal parameters

Ambient temperature range

-20 °C ≤ T<sub>amb</sub> ≤ 50 °C

#### Report Number 16

BVS PP 06.2114 EU, as of 2022-02-10

#### **Special Conditions for Use** 17

None



Page 2 of 3 of BVS 08 ATEX E 134 / N2 – Jobnumber 342007000 This certificate may only be reproduced in its entirety and without any change.

# 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, 2022-02-10 BVS-Kir/Mu A20200853

Managing Director

