

Translation

EU-Type Examination Certificate

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

EU-Type Examination Certificate Number: **BVS 17 ATEX E 013 X**

Product: **Floodlight type PXLED***

Manufacturer: **Cooper Crouse-Hinds GmbH**

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

This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.

DEKRA EXAM 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 17.2029 EU.


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

| | |
|-----------------------------------|------------------------------------|
| EN 60079-0:2012 + A11:2013 | General requirements |
| EN 60079-1:2014 | Flameproof enclosure "d" |
| EN 60079-5:2015 | Powder filing "q" |
| EN 60079-7:2014 | Increased Safety "e" |
| EN 60079-28:2015 | Optical radiation "op is" |
| EN 60079-31:2014 | 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 eb op is q IIC T4 Gb**
II 2D Ex tb op is IIIC T100°C Db

DEKRA EXAM GmbH
Bochum, 2017-02-20

Signed: Jörg Koch

Certifier

Signed: Günther Schumann

Approver

13 **Appendix**

14 **EU-Type Examination Certificate**

BVS 17 ATEX E 013 X

15 **Product description**

15.1 **Subject and type**

Floodlight type PXLEDaaabcccdeeff

aaa Lighting current 5 L = 5.000 lm
 10 L = 10.000 lm
 15 L = 15.000 lm
 20 L = 20.000 lm
 25 L = 25.000 lm
 30 L = 30.000 lm

b Light distribution A = wide
 B = narrow

ccc Color rendering index (CRI) / correlated color temperature (CCT):
 1. digit = CRI
 2.+3. digit = CCT

d Front glass C = clear

ee Type of terminal

fff Cable entry

15.2 **Description**

The Floodlight type PXLED consists of a LED basic module in type of protection Flameproof Enclosure „db“ and a terminal box in type of protection Increased Safety „eb“.
 The terminal box is equipped with separately certified terminals and a separately certified cable entry in type of protection Increased Safety.
 Additionally the driver unit type qTEK ***-* is situated in the terminal box. This is separately certified in type of protection Powder Filling „q“ (BVS 17 ATEX 015 U).
 The connection to the flameproof enclosure is realized by a separately certified feedthrough in type of protection Flameproof Enclosure „db“.

15.3 **Parameters**

15.3.1 **Electrical data**

Rated voltage (output driver unit type qTEK *50-*)

AC 110 V...277 V, 50 / 60 Hz or
 DC 127 V...270 V

15.3.2 **Thermal data**

Permitted ambient temperature range -50 °C...+55 °C
 Temperature class T4
 Max. surface temperature T 100 °C



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17 Special Conditions for Use

17.1 The floodlight shall not be switched on at an ambient temperature below -40 °C.

17.2 The floodlight has to be protected against electrostatic discharges.

18 Essential Health and Safety Requirements

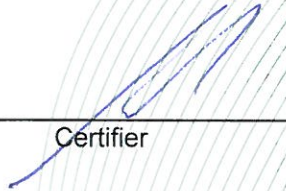
The Essential Health and Safety Requirements are covered by the standards listed under item 9.

19 Drawings and Documents

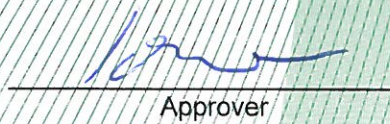
Drawings and documents are listed in the confidential report.

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 2017-02-20
BVS-Hk/Mu A 20150987



Certifier



Approver

