IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx BVS 17.0004X

Issue No: 0

Certificate history:
Issue No. 0 (2017-02-22)

Status: **Current**

Date of Issue: **2017-02-22**

Applicant: **Cooper Crouse-Hinds GmbH**
Neuer Weg-Nord 49
69412 Eberbach
Germany

Equipment: **Floodlight type PXLED***

Optional accessory:

Type of Protection: **Equipment protection by flameproof enclosures "d", Protection of equipment and transmission systems using optical radiation, Equipment dust ignition protection by enclosure "t", Equipment protection by powder filling "q", Equipment protection by increased safety "e"**

Marking: Ex db eb op is q IIC T4 Gb
Ex tb op is III C T100°C Db

Approved for issue on behalf of the IECEx Certification Body: J. Koch

Position: Head of Certification Body

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany

DEKRA
On the safe side.

IECEx Certificate of Conformity

Certificate No: IECEx BVS 17.0004X Issue No: 0

Date of Issue: **2017-02-22** Page 2 of 5

Manufacturer: **Cooper Crouse-Hinds GmbH**
Neuer Weg-Nord 49
69412 Eberbach
Germany

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-28 : 2015 Edition:2	Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-5 : 2015 Edition:4.0	Explosive atmospheres –Part 5: Equipment protection by powder filling “q”
IEC 60079-7 : 2015 Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

DE/BVS/ExTR17.0013/00

Quality Assessment Report:

DE/BVS/QAR11.0009/05

IECEx Certificate of Conformity

Certificate No: IECEx BVS 17.0004X Issue No: 0

Date of Issue: 2017-02-22

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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" (IECEx BVS 17.0005U).
The connection to the flameproof enclosure is realized by a separately certified feedthrough in type of protection Flameproof Enclosure "db".

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The floodlight shall not be switched on at an ambient temperature below -40 °C.
- The floodlight has to be protected against electrostatic discharges.

IECEx Certificate of Conformity

Certificate No: IECEx BVS 17.0004X Issue No: 0

Date of Issue: **2017-02-22**

EQUIPMENT (continued):

Subject and Type

Floodlight Type PX LEDaaabcccdeefff

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	

IECEx Certificate of Conformity

Certificate No:	IECEx BVS 17.0004X	Issue No: 0
Date of Issue:	2017-02-22	Page 5 of 5

Additional information:

Parameters

Electrical data (of driver unit type qTEK ***-* according to CoC No. IECEx BVS 17.0005U:

Electrical data

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

AC 110 V…277 V, 50 / 60 Hz or

DC 127 V…270 V

Thermal data

Permitted ambient temperature range	-50 °C…+55 °C
Temperature class	T4
Max. surface temperature T	100 °C
Power	110 W