IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

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

Certificate No.:	**IECEx BVS 17.0004X**	Page 1 of 5	Certificate history:
Status:	**Current**	Issue No: 1	Issue 0 (2017-02-22)
Date of Issue:	2019-07-24		
Applicant:	**Cooper Crouse-Hinds GmbH** Neuer Weg-Nord 49 69412 Eberbach **Germany**		
Equipment:	**Floodlight type PXLED* or PXLED-P***		
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 IIIC 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:
(for printed version)

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 www.iecex.com or use of this QR Code.

Certificate issued by:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

DEKRA
On the safe side.

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

Manufacturing locations:

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-5:2015 Explosive atmospheres –Part 5: Equipment protection by powder filling “q”
Edition:4.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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/ExTR17.0013/01

Quality Assessment Report:

DE/BVS/QAR11.0009/09

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Description:

The Floodlight 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.

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Equipment (continued):

Subject and Type

Floodlight type aaaaaaabbbcdddeeffggghh

aaaaaaa	PXLED PXLED-P	portable version (only 5L)
bbb	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
c	Light distribution	W = wide radiant N = narrow radiant C = asymmetric 1 D = asymmetric 2
ddd	Color rendering index (CRI) / correlated color temperature (CCT):	1. digit = CRI 2.+3. digit = CCT
ee	Front glass	GC = clear glass GF = glass with inner frosted foil GY = glass with inner Lee foil FC = laminated clear polyester foil at the outside FF = laminated frosted polyester foil at the outside
ff	Type of terminal	
ggg	Cable entry	
hh	Variant of voltage	LV = low voltage -- = standard

Parameters

Electrical data

1.	Type PXLED* Rated voltage (output driver unit type qTEK *50-*)	AC 110 V…277 V, 50 / 60 Hz or DC 127 V…270 V
2.	Type PXLED* LV-variant Rated voltage (output driver unit type qTEK *50-*)	AC 24 V…48 V, 50 / 60 Hz or DC 24 V…48 V

Thermal data

Permitted ambient temperature range

standard	-50 °C…+55 °C
portable variant	-40 °C…+55 °C
temperature class	T4
Max. surface temperature T	100 °C

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- updating to the current EN IEC 60079-0:2018
- additional variant type PXLED-P* (portable)
- additional low voltage variant
- mechanical modifications (additional cooling ribs, modified glass holder)
- use of outer foils as splinter protection or inner foils for various light effects)
- use of alternative lenses