



# 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](http://www.iecex.com)

Certificate No.: IECEx BVS 10.0009X

Issue No: 0

Certificate history:

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Issue No. 2 (2011-09-22)

Issue No. 1 (2011-08-24)

Issue No. 0 (2010-02-19)

Status: **Current**

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Date of Issue: **2010-02-19**

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

Equipment: **Floodlight type PX04\*\*\*\* and PXI04\*\*\*\***

*Optional accessory:*

Type of Protection: **Flameproof enclosure 'd'; Increased safety 'e'; Protection by enclosures 'tD'**

Marking: Ex de IIB T2-T4 or Ex d IIB T2-T4  
Ex tD A21 IP66 T85 °C –210 °C

*Approved for issue on behalf of the IECEx  
Certification Body:*

H.-Ch. Simanski

*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](http://www.iecex.com).

Certificate issued by:

**DEKRA EXAM GmbH**  
Dinnendahlstrasse 9  
44809 Bochum  
Germany

 **DEKRA**  
DEKRA EXAM GmbH



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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:

<b>IEC 60079-0 : 2004</b> Edition:4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-7 : 2006-07</b> Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
<b>IEC 61241-0 : 2004</b> Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/ExTR10.0010/00](#)

Quality Assessment Report:

[DE/PTB/QAR07.0008/01](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### Description:

The floodlights type PX04\*\*\*\* and type PXI04\*\*\*\* consist of the following:

- a lamp enclosure with lamp socket and reflector manufactured to meet the requirements of the type of protection Flameproof Enclosure 'd' and
- a junction box for connecting the external cable, depending on the cable entry manufactured according to the type of protection Flameproof Enclosure 'd' or Increased Safety 'e'.

Additionally, some variants feature a compensation box – manufactured according to the type of protection Flameproof Enclosure 'd' – to allow external components to be mounted, for example electronic ballasts, ignition devices or capacitors.

This compensation box may be replaced by an enclosure of either type EJB 110, 120 or 130 of type of protection Flameproof Enclosure 'd' into which several ballasts and capacitors can be mounted.

The floodlight variants type PX04\*\*\*\* and PXI04\*\*\*\* in conjunction with the enclosure type EJB are only suitable for use in potentially explosive gas atmospheres.

The glass window of the lamp enclosure is sealed into its frame by means of a compound. Together with the floodlight enclosure the frame is defined as a flameproof flat joint. Electric power is supplied by cable glands separately certified for this purpose.

#### Parameters:

See Annex

### **SPECIFIC CONDITIONS OF USE: YES as shown below:**

The widths of the flameproof joint of this apparatus are in parts longer than required by Table 3 of IEC 60079-1:2007. Information on the dimensions has to be obtained from the manufacturer.

The floodlight can only be used if mounted horizontally (ceiling mounting). Relevant hints in the instruction manual have to be observed.

Only such components (bushings, cable glands, connecting parts) are permitted for mounting that meet the technical status of the standard stated on the front page; furthermore, the components have to be suitable for the ambient conditions of use and separately certified.

In order to close the flameproof compartment screws have to be used that comply at least with strength category A2-70.

### **Annex:**

[BVS\\_10\\_0009X\\_Cooper\\_Annex.pdf](#)