



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 11.0066

Issue No: 0

Certificate history:

[Issue No. 1 \(2013-07-03\)](#)

[Issue No. 0 \(2011-09-07\)](#)

Status: **Current**

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Date of Issue: **2011-09-07**

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

Equipment: **Floodlight and ceiling lamp type dTLS 85 *** (floodlight) and type dHLS 85 *** (ceiling lamp)**

Optional accessory:

Type of Protection: **Equipment protection by flameproof enclosures "d", Equipment protection by increased safety "e"**

Marking: Ex de IIC T4 Gb (only for type dTLS 85 070)
Ex de IIC T3 Gb (all other types)

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

P. Migenda

Position:

Deputy 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**
DEKRA EXAM GmbH



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

Additional Manufacturing location(s):

S.C. Cooper Industries Romania S.R.L.
ARAD, Zona Industrial NV str III, no,12
Romania

Cooper Crouse Hinds GmbH (CEAG)
Neuer Weg-Nord 49
69412 Eberbach
Germany

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 : 2007-10 Explosive atmospheres - Part 0:Equipment - General requirements
Edition:5
IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6
IEC 60079-7 : 2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

*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/ExTR11.0093/00](#)

Quality Assessment Report:

[DE/BVS/QAR11.0006/01](#)

[DE/BVS/QAR11.0009/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description

The floodlight type dTLS 85 *** resp. ceiling lamp type dHLS 85 *** is designed in the type of protection flameproof enclosure for the lamp room and in type of protection increased safety for the terminal box.

Both lamps are for the use to light up large areas in hazardous atmosphere.

A compensation box can be connected to any of the lamps, either directly to the enclosure or by means of a cable. The compensation box has been separately tested and certified.

Subject and type

Floodlight / Ceiling lamp type d***1) 85 ***2)

1) : Type of equipment:

LS	floodlight with soffit base
HLS	ceiling lamp with screw base E40

2) : Luminaire output

070	70 W (only type dTLS)
150	150 W
250	250 W
400	400 W (only type dHLS)

SPECIFIC CONDITIONS OF USE: NO



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EQUIPMENT (continued):

Parameters

Type	Power and lamp type	URated [VAC]	Frequency [Hz]	T Ambient	Temperature class
dTLS 85 070	70 W HST	230	50 - 60	-20 °C up to +55 °C	T4
dTLS 85 150	150 W HST			-50 °C up to +55 °C	
dTLS 85 250	250 W HIT				
dHLS 85 150	150 W bulb	230	50 - 60	-50 °C up to +55 °C	T3
dHLS 85 250	250 W HSE				
	250 W HME				
	250 W HIE				
dHLS 85 400	400 W HSE			-50 °C up to +50 °C	
	400 W HME				