



Translation

(1) **EC-Type Examination Certificate**

(2) **- Directive 94/9/EC -**
Equipment and protective systems intended for use
in potentially explosive atmospheres

(3) **DMT 03 ATEX E 039**

(4) **Equipment:** Floodlights, types dTLS 85 ... and dHLS 85 ...

(5) **Manufacturer:** CEAG Sicherheitstechnik GmbH

(6) **Address:** D 69412 Eberbach

(7) The design and construction of this equipment and any acceptable variation thereto are specified in the schedule to this type examination certificate.

(8) The certification body of Deutsche Montan Technologie GmbH, notified body No. 0158 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the test and assessment report BVS PP 03.2075 EC.

(9) The Essential Health and Safety Requirements are assured by compliance with:

EN 50014:1997 + A1 – A2	General requirements
EN 50018:2000 + A1	Flameproof enclosure
EN 50019:2000	Increased safety

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC.

Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate

(12) The marking of the equipment shall include the following:

 **II 2G EEx de II C T3**

Deutsche Montan Technologie GmbH

Essen, dated 08. April 2003

Signed: Jockers

Signed: Eickhoff

DMT-Certification body

Head of special services unit

(13) Schedule to

(14) **EC-Type Examination Certificate**

DMT 03 ATEX E 039

(15) 15.1 Subject and Type
Floodlights, types dTLS 85 ... and dHLS 85 ...,

15.2 Description

The floodlight is designed in the type of protection Flameproof Enclosure "d" and is an explosion-protected electrical apparatus for the illumination of large, open areas in potentially explosive atmospheres. The floodlight is fitted with a terminal compartment in the type of protection Increased Safety "e".

15.3 Parameters

Rated voltage:	up to	AC	300 V +/- 10%
			50-60 Hz
Lamp wattage, type dTLS			250 W
Lamp wattage, type dHLS			400 W
Ambient temperature range			-20 °C to + 50°C
Degree of protection in acc. with EN 60529			IP 54

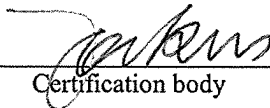
(16) Test and assessment report
BVS PP 03.2075 EC, as of 08.04.2003

(17) Special conditions for safe use
Not applicable

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.

44809 Bochum, 18.07.2003
BVS-Ld/Mi A 20010163

EXAM BBG Prüf- und Zertifizier GmbH



Certification body



Special services unit



Translation

1st Supplement

(Supplement in accordance with Directive 94/9/EC Annex III number 6)

to the EC-Type Examination Certificate DMT 03 ATEX E 039

Equipment: Floodlight type dTLS 85 ... and type dHLS 85 ...
Manufacturer: Cooper Crouse-Hinds GmbH
Address: 69412 Eberbach, Germany

Description

The Floodlight type dTLS 85 ... and type dHLS 85 ... can be modified according to the descriptive documents as mentioned in the pertinent test and assessment report.

The Essential Health and Safety Requirements of the modified equipment are assured by compliance with:

EN 50014:1997+A1-A2 General requirements
EN 50018:2000 +A1 Flameproof enclosure 'd'
EN 50019:2000 Increased safety 'e'

Parameters

Rated voltage	to	AC	230 V +/-10%
			50 - 60 Hz
Lamp power consumption type dHLS			up to 250 W
Ambient temperature range type dHLS, Lamp power consumption 250 W			-20 °C up to +55 °C
Degree of protection in acc. with EN 60529			IP 54

Test and assessment report

BVS PP 03.2075 EG as of 01.12.2004

EXAM BBG Prüf- und Zertifizier GmbH

Bochum, dated 01. December 2004

Signed: Dr. Eickhoff

Certification body

Signed: Schumann

Special services unit

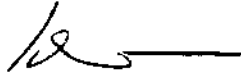
We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

44809 Bochum, 01.12.2004
BVS-Kem/Ar A 20040417

EXAM BBG Prüf- und Zertifizier GmbH



Certification body



Special services unit



Translation

2nd Supplement

(Supplement in accordance with Directive 94/9/EC Annex III number 6)

to the EC-Type Examination Certificate DMT 03 ATEX E 039

Equipment: Floodlights type dTLS 85 ... and type dhLS 85 ...
Manufacturer: Cooper Crouse-Hinds GmbH
Address: 69412 Eberbach, Germany

Description

The floodlight type dTLS 85... and type dhLS 85... can be modified according to the descriptive documents as mentioned in the pertinent test and assessment report for an ambient temperature range from -50 °C up to +50/55 °C.

The Essential Health and Safety Requirements of the modified equipment are assured by compliance with:

EN 50014:1997+A1-A2	General requirements
EN 50018:2000 +A1	Flameproof enclosure
EN 50019:2000	Increased safety

The marking of the equipment shall include the following:

 II 2G EEx de IIC T3

Parameters

Ambient temperature range -50 °C up to +50/55 °C

The other parameters stay unchanged.

Marking

Ambient temperature range $-50\text{ °C} \leq T_{amb} \leq +50/55\text{ °C}$

The other marking stay unchanged.

Special conditions for safe use

Unchanged

Test and assessment report

BVS PP 03.2075 EG as of 10.10.2005

EXAM BBG Prüf- und Zertifizier GmbH

Bochum, dated 10. October 2005

Signed: Dr. Eickhoff

Signed: Dr. Wittler

Certification body

Special services unit

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.

44809 Bochum, 10. October 2005
BVS-Ld/Kw A 20050421

EXAM BBG Prüf- und Zertifizier GmbH



Certification body



Special services unit



Translation

3rd Supplement

(Supplement in accordance with Directive 94/9/EC Annex III number 6)

**to the EC-Type Examination Certificate
DMT 03 ATEX E 039**

Equipment: Floodlight type dTLS 85 070
Manufacturer: Cooper Crouse-Hinds GmbH
Address: 69412 Eberbach, Germany

Description


The floodlight type dTLS 85 ... and dHLS 85 ... can be modified according to the descriptive documents as mentioned in the pertinent test and assessment report, the new type designation is:

dTLS 85 070

The Essential Health and Safety Requirements of the modified equipment are assured by compliance with:

EN 50014:1997+A1-A2 General requirements
EN 50018:2000 +A1 Flameproof enclosure 'd'
EN 50019:2000 Increased safety 'e'

The marking of the equipment shall include the following:

 II 2G EEx de IIC T4 for type dTLS 85 070
II 2G EEx de IIC T3 for the other types

Parameters of type dTLS 85 070

Rated voltage	AC 220 - 240	V
Rated frequency	50 ... 60	Hz
Power of lamp	70	W
Ambient temperature range	-20 °C bis + 55°C	

Special conditions for safe use

non

Test and assessment report

BVS PP 03.2075 EG as of 16.06.2006

EXAM BBG Prüf- und Zertifizier GmbH

Bochum, dated 16. June 2006

Signed: Dr. Jockers

Signed: Dr. Eickhoff

Certification body

Special services unit

Page 1 of 2 to DMT 03 ATEX E 039 / N3

This certificate may only be reproduced in its entirety and without change.

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(until 31.05.2003: Deutsche Montan Technologie GmbH Am Technologiepark 1 45307 Essen Germany)

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.

44809 Bochum, 16.06.2006
BVS-Kem/Mi A 20060296

EXAM BBG Prüf- und Zertifizier GmbH


Certification body


Special services unit



Translation

4th Supplement

(Supplement in accordance with Directive 94/9/EC Annex III number 6)

to the EC-Type Examination Certificate DMT 03 ATEX E 039

Equipment: Floodlight type dTLS 85... and
Ceiling lamp type dhLS 85...

Manufacturer: Cooper Crouse-Hinds GmbH

Address: 69412 Eberbach, Germany

Description

The floodlight type dTLS 85... and ceiling lamp type dhLS 85... can be modified according to the descriptive documents as mentioned in the pertinent test and assessment report.

The Essential Health and Safety Requirements of the modified equipment are assured by compliance with:

EN 60079-0:2006 General requirements
EN 60079-1:2007 Flameproof enclosure 'd'
EN 60079-7:2007 Increased Safety 'e'

The marking of the equipment shall include the following:



II 2G Ex de IIC T*

* depends on luminaire used

Special conditions for safe use

None

Test and assessment report

BVS PP 03.2075 EG as of 11.12.2009

DEKRA EXAM GmbH

Bochum, dated 11th December 2009

Signed: Simanski

Signed: Dr. Eickhoff

Certification body

Special services unit

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.

44809 Bochum, 07.01.2010
BVS-Ru/Ar E 1938/09

DEKRA EXAM GmbH

Certification body

Special services unit