



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 TSA 08.0011 issue No.:2

Status: **Current**

Date of Issue: **2013-05-03**

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Certificate history:
Issue No. 2 (2013-5-3)
Issue No. 1 (2010-10-22)
Issue No. 0 (2008-12-19)

Applicant: **Cortem SpA**
Via Aquileia 10
34070 Villesse (Go)
Italy

Electrical Apparatus: **Rectangular Flood Lights Series SLEE**
Optional accessory:

Type of Protection: **Ex de and Ex tD**

Marking: CORTEM or ELFIT
Rectangular Flood Light Types SLEE-40 or SLEE-40/25
Ex d e IIB + H2 T* or Ex tD A21 T* IP65/IP66*
IECEX TSA 08.0011
S/N:
* See schedule in the attached Annexe

Approved for issue on behalf of the IECEx
Certification Body:

Ujen Singh

Position:

Quality & Certification Manager

Signature:
(for printed version)

Date:

03 MAY 2013

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:

TestSafe Australia
919 Londonderry Road
Londonderry NSW 2753
Australia





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Manufacturer: **CORTEM or ELFIT**
Via Aquileia 10
34070 Villesse (Go)
Italy

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 electrical 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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 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:

AU/TSA/ExTR06.0070/00
AU/TSA/ExTR08.0071/01

AU/TSA/ExTR08.0028/00
AU/TSA/ExTR08.0071/02

AU/TSA/ExTR08.0071/00

Quality Assessment Report:

IT/CES/QAR06.0002/07



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Refer to attached Annexe for details.

CONDITIONS OF CERTIFICATION: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Refer to attached Annexe for details of the supplementary issues.



IECEx Certificate of Conformity Annexe

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Equipment:

The floodlights series SLEE is made with the base body in aluminium alloy or stainless steel and the light transmitting part is glass cemented to the cover.

The assembly comprise of main body containing the lamp, holder and ballast, and two separate compartments, an integral increase safety (Ex e) terminal box containing the Ex e terminals and an external flameproof (Ex d) junction box containing the starter and capacitor.

A threaded potted nipple bushing is used for communication between the main enclosure and the Ex d junction box. The electrical supply is provided through the threaded entry of the integral junction box and is fed through to the main enclosure via a compression bushing.

The floodlight series SLEE may be fitted with one high pressure sodium vapour or metal halide 250 W (SLEE-40/25) or 400 W (SLEE-40) maximum tubular bulbs.

Schedule:

For 240V 50/60Hz:

Ex de IIB + H2 T3 or Ex tD A21 T194 °C IP65/IP66 at ambient temperature +40°C

Ex de IIB + H2 T2 or Ex tD A21 T204 °C IP65/IP66 at ambient temperature +50°C

For 230V 50/60Hz:

Ex de IIB + H2 T3 or Ex tD A21 T188 °C IP65/IP66 at ambient temperature +40°C

Ex de IIB + H2 T2 or Ex tD A21 T198 °C IP65/IP66 at ambient temperature +50°C

Conditions of Certification pertaining to Issue 0 of this Certificate:

1. An instruction manual shall be supplied with each Floodlight Series SLEE.

Drawing list pertaining to Issue 0 of this Certificate:

Document No.	Sheets	Document Title	Issue	Date (yyyy/mm/dd)
A1-4466	1	Floodlight Series SLEE-40 Ex de IIB + H ₂ Ex tD A21 T281 °C IP66	2	2006-09-15
A4-817	1	Sealing method for sealed bushing type CP-TP-NPS-NCS-LPS for cables BETA THERM 155 type with size conductors 0.5 mmq	0	2001-02-02
A4-3067L	1	Passaggio sigillato serie NPS per SLEE-40	1	2003-10-21
A4-4353	1	Pressacavo per EV, EW, EVF RLEE, SLEE - STAFFA -	1	2003-11-24
A3-4354	1	Pressacavo - Diaframma	5	2006-05-05
A3-4355	1	Pressacavo - Guarnizione	3	2003-07-09
A3-4361	1	Cable gland for lighting fixtures series EV..EW..EVF..RLEE..SLEE	0	2003-02-20
A4-800	10	Technical note: Sealing bushing type CP - TP - NPS - NCS - LPS on execution Ex d IIC		2001/02/02
F-281	6	Safety, Maintenance and mounting instructions for SLEE... series floodlights Ex de IIB+H2 T2 IP66	2	2006-09-15

Certificate issued by:

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IECEx Certificate of Conformity Annexe

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Schedule of Variations

Variations Permitted by Issue 1:

The nature of the variations to the equipment design is detailed below:

1. Increase the distance between the light bulb and the cover glass, from 15 mm to 50 mm.
2. Upgrade the Temperature Class of the equipment, from T2 to T3, as shown below:

For 240V 50/60Hz:

Ex de IIB + H2 T3 or Ex tD A21 T194 °C IP65/IP66 at ambient temperature +40°C
Ex de IIB + H2 T2 or Ex tD A21 T204 °C IP65/IP66 at ambient temperature +50°C

For 230V 50/60Hz:

Ex de IIB + H2 T3 or Ex tD A21 T188 °C IP65/IP66 at ambient temperature +40°C
Ex de IIB + H2 T2 or Ex tD A21 T198 °C IP65/IP66 at ambient temperature +50°C

3. Update of certification drawings to include details of the variations.

Conditions of Certification pertaining to Issue 1 of this Certificate:

Previous conditions of certification still apply.

Drawing list pertaining to Issue 1 of this Certificate:

Document No.	Sheets	Document Title	Issue	Date (yyyy/mm/dd)
A1-4466	1	Floodlight Series SLEE-40 Ex de IIB + H ₂ T3 Ex tD A21 T194 °C IP66	3	2010-07-14
F-281	6	Safety, maintenance and mounting instructions for SLEE... series floodlights Ex de IIB+H ₂ T2 or T3 IP66	3	2010-10-11

Variations pertaining to Issue 2 of this Certificate:

The nature of the variations to the equipment design is detailed below:

1. Added a new range with voltage of 480V.
2. Update of certification drawings to include details of the variations.

Certificate issued by:





IECEX Certificate of Conformity
Annexe

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Conditions of Certification pertaining to Issue 2 of this Certificate:

Previous conditions of certification still apply.

Drawing list pertaining to Issue 2 of this Certificate:

Document No.	Sheets	Document Title	Issue	Date (yyyy/mm/dd)
A1-4466	1	Floodlight Series SLEE-40 Ex de IIB + H ₂ T3/T2 Gb Ex tbD A21 T194 °C IP65/IP66	4	2012-10-11
F-281	7	Safety, maintenance and mounting instructions for SLEE... series floodlights Ex de IIB+H2 T2 or T3 IP66	4	2012-10-05

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