



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 ITS 03.0002** Issue No.: **0**
Status: **Current**
Date of Issue: **2003-12-15** Page 1 of 3

Applicant: **Chalmit Lighting**
Chalmit Lighting
388 Hillington Road
Glasgow G52 4BL
Scotland
United Kingdom

Electrical Apparatus: **Luminaire, Evolution**
Optional accessory:

Type of Protection: **Flameproof and Increased Safety**

Marking: **Ex de IIC T3 or T4 Ta -20°C to +55°C**
Ex de IIB T3 or T4 Ta -50°C to +55°C
DIP A21 (for dust protected models)

Approved for issue on behalf of the IECEx
Certification Body:

R M Adams

Position:

Deputy Certification Manager

Signature:
(for printed version)

Date:

2004-05-13

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:

ITS Testing & Certification Limited ETL
SEMKO

ITS House, Cleeve Road,
Leatherhead,
Surrey, KT22 7SB
United Kingdom

Intertek ETL SEMKO

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Manufacturer: **Chalmit Lighting**
Chalmit Lighting
388 Hillington Road
Glasgow G52 4BL
Scotland
United Kingdom

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 manufacture'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 : 2000 Edition: 3.1	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-7 : 2001 Edition: 3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'
IEC 61241-1-1 : 1999 Edition: 2	Electrical apparatus for use in the presence of combustible dust - Part 1-1: Electrical apparatus protected by enclosures and surface temperature limitation - Specification for apparatus

*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

IECEX ATR:
UK/ITS/03/03011499

File Reference:
03011499



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Evolution floodlight is a cast aluminium alloy floodlight rated at up to 254V 50Hz or 277V 60Hz or 110-120V when fitted with a toroidal transformer, with a maximum power dissipation of 600W. The luminaire consists of a rectangular cast housing with a cemented glass window additionally held in place by a cast frame, which is secured by 12 stainless steel cap head screws. Access to the terminals and control gear is via a cast cover that forms an IP66/67 Ex e chamber on the side of the enclosure. A cast ignitor housing which contains the lamp, Lampholder and ignitor accesses the enclosure via a spigot flamepath. The capacitor is housed within an Ex d chamber, the capacitor cap has a threaded flamepath. Connections from the ignitor housing and the capacitor to the Ex e ballast and terminals are within the Ex e enclosure. Two threaded holes are provided for cable entry. The floodlight is fixed in place by a stirrup bracket and locking mechanism or rear mounted brackets.

Drawing Schedule for Evolution IIC

Description	Drawing No.	Revision	Date
Evolution IIC IECEx LABEL	A7160	-	15/07/2003
Evolution IIC Ex e IECEx Certification	D2548 sheets 1-5 D2558	-	15/08/2003 27/0/2003
INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS Evolution IIC III IECEx Luminaire	IOMEVO IECEx	Issue 00	August 2003

Drawing Schedule for Evolution IIB (Variation)

Description	Drawing No.	Revision	Date
Evolution IIB IECEx LABEL	A7181	-	27/08/2003
Evolution IIB Ex e IECEx Certification	D2557 sheets 1-5 D2558	-	26/08/2003 27/08/2003
INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS Evolution IIB III IECEx Luminaire	IOMEVO-LT IECEX	Issue 00	August 2003

CONDITIONS OF CERTIFICATION: NO