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 03.0006** Issue No.: **0**

Status: **Current**

Date of Issue: **2004-01-13** Page **1** of **3**

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

Electrical Apparatus: **Luminaire Acclaim III**
Optional accessory:

Type of Protection: **Increased Safety**

Marking: **Ex eqm II T4**
-20°C to Ta to +55°C
or
Ex eqm II Ta 95°C DIP A21
-20°C to Ta to +55°C

Approved for issue on behalf of the IECEx Certification Body: R M Adams

Position: Deputy Certification Manager

Signature:
(for printed version)

Date: 2004-01-13

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
Testing everywhere for markets anywhere.

IECEx Certificate of Conformity

Certificate No.: **IECEx ITS 03.0006**

Date of Issue: **2003-12-15** Issue No.: **0**

Manufacturer: **Chalmit**
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'rs 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 60079-18 : 1992 Edition: 1	Electrical apparatus for explosive gas atmospheres - Part 18: Encapsulation 'm'
IEC 60079-5 : 1997 Edition: 2	Electrical apparatus for explosive gas atmospheres - Part 5: Powder filling 'q'
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:	File Reference:
UK/ITS/03/03011499L	**03011499**
UK/ITS/03/03011499j	**03011499**
UK/ITS/03/03011499k	**03011499**

IECEx Certificate of Conformity

Certificate No.: **IECEx ITS 03.0006**

Date of Issue: **2003-12-15** Issue No.: **0**

Schedule

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

The Acclaim luminaire is rated to 110-130V and 200-254V, 50 Hz or 60 Hz, designed for lamps rated 18W and 36W. The luminaire enclosure comprises a cover with a polycarbonate diffuser mounted within a painted steel frame that is sealed using silicone RTV. This assembly is mounted to a fabricated painted steel body enclosure using either 6 or 10 M6 screws dependant on enclosure size. The cover to body seal is maintained using a silicone sponge gasket.
Up to four cable or conduit entries are available, with sizes up to M25, for suitably glanded cables, which are terminated on terminal blocks inside the enclosure. The luminaire is provided with mounting channels or side arms and is intended to be permanently mounted. Terminal blocks are attached to brackets on the enclosure for mains connection. The control gear and lampholders are mounted on a removable steel gear tray attached to the body by two screws that screw into mounting brackets, spot welded onto the body. The control gear comprises non-emergency ballast types LEVA and ILB, and emergency type CNEVA which have KEMA component approval number KEMA00ATEX2121U and are coded Ex eq. The lampholders and, for the emergency type only, battery pack are of an IP30 construction.
The luminaire is de-energised by means of an Ex m potted reed switch and magnet assembly, which also contains the LED output for the emergency type. To permit energisation and de-energisation of the luminaire a steel blade, which is fixed to the diffuser, is positioned between the magnet and the reed switch. The luminaire is de-energised when the cover is opened and the blade is removed from between the magnet and the reed switch. The 2x36W emergency models are fitted with 7Ah 6V or 4Ah 6V five battery cell packs dependant on duration required and the 2x18W emergency models are fitted with 4Ah 6V five battery cell packs.

Drawing Schedule

Description	Drawing No.	Revision	Date
Acclaim Ex e IECEx LABEL	A7162	-	15/07/2003
Acclaim Ex e IECEx Certification	D2560 1-5	-	29/08/2003
INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS Acclaim III IECEx Luminaire	IOMACCLAIM III IECEx	Issue 00	August 2003

CONDITIONS OF CERTIFICATION: NO

Annexe: