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 03.0004** Issue No.: **0**

Status: **Current**

Date of Issue: **2003-12-04** Page **1** of **3**

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

Electrical Apparatus: **Luminaire Maxinex**
Optional accessory:

Type of Protection: **Type nR**

Marking: **Ex nR II T3 or T4 (see schedule)**
-45°C to Ta to *°C (see schedule)

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

Position: Deputy Certification Manager

Signature:
(for printed version)

Date: 2003-12-04

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

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Manufacturer: **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 60079-15 : 2001 Edition: 2	Electrical apparatus for explosive gas atmospheres - Part 15: Type of protection 'n'
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/03/03011499a	**03011499**
UK/ITS/03/03011499b	**03011499**
UK/ITS/03/03011499c	**03011499**

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Schedule

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

The Maxinex floodlight is rated to 220/230/250 V, 50 Hz or 60 Hz, designed for lamps rated 150W, 250W, 400W SON/T or MBI/T. The enclosure comprises a die cast aluminum lid and body with a toughened glass lens fitted to the lid assembly. Internally the enclosure contains bracket mounted control gear, a reflector and a bracket mounted lampholder. Holes in the body allows access for a suitable glanded supply cable, which is terminated on a terminal block inside the enclosure. The light is provided with an integral mounting bracket and is intended to be permanently mounted.

Temperature schedule (Gas)

Luminaire configuration	Max surface temperature	Temperature Class	Referred ambient temperature
400W SON/T	192°C	T3	-45°C to +45°C
400W SON/T	197°C	210(T2)	-45°C to +50°C
400W SON/T*	202°C	210(T2)	-45°C to +55°C
400W MBI/T	189°C	T3	-45°C to +30°C
400W MBI/T	220°C	220(T2)	-45°C to +50°C
400W MBI/T*	214°C	230(T2)	-45°C to +55°C
250W SON/T	173°C	T3	-45°C to +55°C
250W MBI/T	168°C	T3	-45°C to +55°C
150 W SON/T	123°C	T4	-45°C to +55°C
150W MBI/T	123°C	T4	-45°C to +55°C

Temperature schedule (Dust)

Luminaire configuration	Max surface temperature	Temperature Class	Referred ambient temperature
400W SON/T	T200°C	na	-45°C to +45°C
400W MBI/T	T200°C	na	-45°C to +30°C
250W SON/T	T180°C	na	-45°C to +55°C
250W MBI/T	T180°C	na	-45°C to +55°C
150W SON/T	T130°C	na	-45°C to +55°C
150W MBI/T	T130°C	na	-45°C to +55°C
W/O PFC*	T205°C	na	-45°C to +55°C
W/O PFC*	T215°C	na	-45°C to +55°C

*** Without power factor correction capacitor**

Drawing Schedule

Description	Number	Revision	Date
MAXINEX IECEx LABEL	A7161	-	15/07/2003
Maxniex IECEx Certification (sheet 1)	D2549	-	21/08/2003
Maxniex IECEx Certification (sheet 2)	D2549	-	22/08/2003
Maxinex IECEx Dust Certification	D2550	-	25/08/2003
IECEx 60079-15 COMPONENT APPROVAL (sheet 1)	D2562	-	08.09.03
IECEx 60079-15 COMPONENT APPROVAL (sheet 2)	D2562	-	08.09.03
IECEx 60079-15 COMPONENT APPROVAL (sheet 3)	D2562	-	08.09.03
INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS Maxinex Floodlight IECEx	-	Issue 00	August 03