



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 03.0003**

Issue No.: **0**

Status: **Current**

Date of Issue: **2003-12-10**

Page 1 of 3

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

Electrical Apparatus: **Luminaire Protecta**
Optional accessory:

Type of Protection: **Type n**

Marking: **Ex nA II T4 or 150C (See Schedule)**
-20 ≤ Ta ≤ +55°C


Approved for issue on behalf of the IECEx
Certification Body:

R M Adams

Position:

Deputy Certification Manager

Signature:
(for printed version)


2003-12-16

Date:

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 03.0003**

Date of Issue: **2003-12-10**

Issue No.: **0**

Page **2** of **3**

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'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 60079-15 : 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:
UK/ITS/03/03011499d
UK/ITS/03/03011499e
UK/ITS/03/03011499f

File Reference:
03011499
03011499
03011499



IECEX Certificate of Conformity

Certificate No.: **IECEX ITS 03.0003**

Date of Issue: **2003-12-10**

Issue No.: **0**

Page **3** of **3**

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Protecta luminaire is rated to 200-254V, 50 Hz or 60 Hz, designed for lamps rated 18W and 36W. The luminaire enclosure comprises a moulded polycarbonate diffuser with integral moulded hinges and a moulded glass reinforced body. To maintain the ingress protection rating an extruded gasket is fitted into a moulded groove in the body and fixed by adhesive, the gasket material is EDPM. The diffuser is hinged at one side and clamped on the other side to the sealing face by a quick release snap-on channel along the length of the luminaire. A side entry type option is available with a 42mm spigot mounting entry chamber, which is sealed using a cable gland. 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 light is provided with integral mounting bushes and is intended to be permanently mounted. The control gear components are mounted on the under side of the removable reflector and are fixed by screw fasteners. Terminal blocks are attached to bosses on the enclosure for mains connection.

Temperature Schedule

Model	Lamps	Voltage	Circuit Type	Ambient Temp.	T Rating	Max. Surface Temp
PRGN/136/BI/ES	1 X 36W T8	220/240,50 Hz 220/254,60 Hz	SERIES	55°C	T4	95°C
PRGN/236/BI/ES	2 X 36W T8		PARALLEL	40°C 55°C	T4 150°C(T3)	
PRGN/118/BI/ES	1 X 18W T8		SERIES	55°C	T4	
PRGN/218/BI/ES	2 X 18W T8		PARALLEL	45°C 55°C	T4 150°C(T3)	
			SERIES	55°C	T4	

Ratings for High Frequency Control Gear Models

Model	Lamps	Voltage	Ambient Temp. Range °C	T Rating	Max. Surface Temp
PRGN/136/BI	1 X 36W T8	220-240 V 50/60/0 Hz	-10 ≤ Ta ≤ 50	T4	95°C
PRGN/236/BI	2 X 36W T8				
PRGN/118/BI	1 X 18W T8				
PRGN/218/BI	2 X 18W T8				
PRGN/118/BI/SE*	1 X 18W T8		-10 ≤ Ta ≤ 40		
PRGN/218/BI/SE*	2 X 18W T8				

*Pole Mount Type

Drawing Schedule

Description	Drawing No.	Revision	Date
Protecta Ex nA IECEX LABEL	A7164	-	15/07/2003
Protecta Ex n IECEX Certification	D2559	-	28/08/2003
INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS Protecta Ex nA IECEX Luminaire	IOMPRON IECEX	Issue 00	August 2003

CONDITIONS OF CERTIFICATION: NO