



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 BAS 05.0053X** Issue No.: **0**

Status: **Current**

Date of Issue: **2005-08-26** Page 1 of 3

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

Electrical Apparatus: **Eclipse II and Eclipse II Junior Luminaires**
Optional accessory:

Type of Protection: **Type of protection "n"**

Marking: **Ex n AR II T* °C (Tamb = -45°C to + * °C)**
 (*see schedule)
DIP A22 T* °C (Tamb = -45°C to + * °C)
 (*see schedule)

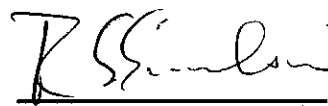
*Approved for issue on behalf of the IECEx
 Certification Body:*

R S Sinclair

Position:

Managing Director

*Signature:
 (for printed version)*


26-8-05

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:

Baseefa (2001) Ltd.

Rockhead Business Park
 Staden Lane
 Buxton
 Derbyshire
 SK17 9RZ
 United Kingdom





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Manufacturer: **Chalmit Lighting**
388 Hillington Road
Glasgow
G52 4BL
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 60079-15 : 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/BAS/05/0476

File Reference:
05/0476



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Eclipse II and Eclipse II Junior Luminaires comprises a circular aluminium alloy enclosure with a hinged rear cover and an internal thread to which is attached one of a number of wellglass diffusers.

Silicone rubber gaskets are provided between the enclosure and cover and the enclosure and wellglass. Ignition protection is provided by the lampholder and diffuser forming a restricted breathing enclosure and the control gear enclosure is considered non-sparking.

The luminaires are intended to be vertically mounted at a maximum of 25 degrees from the vertical. Options include wall and stanchion mounting and enclosed, dome and angled reflectors, and a wire guard.

The types of lamp, wattage, temperature classification and ambient temperature range are indicated in the Annex.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The wellglasses form a restricted breathing enclosure when fitted in accordance with the manufacture's instructions. Silicone grease shall be applied to the base of the wellglass or the silicone seal and hand tightened and then tightened a further 10 degrees.
2. The symmetrical refractor is suitable only for areas with a low risk of mechanical impact.
3. Cable entry devices must be able to withstand a 7J impact test and maintain the ingress protection rating of the enclosure.

Annexe: IECEx BAS 05.0053X Annexe.pdf

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ANNEX to IECEx BAS 05.0053X

Issue No. 0

Date: 2005/08/26

Eclipse II Luminaire with Globe Optics

Lamp	Wattage	Max. Ambient (°C)	Temperature Classification	Min. Ambient (°C)	Max. Surface Temperature (°C)
SON	400	45	T3	-45	160
MBI					
SON	250	50	T4		130
MBI					
SON	150	55			110
MBI					
SON	100	55			110
MBI					
SON	70	55			110
MBI					
SON	50				
MBFU	400	35		T3	180
	250	50	135		
	125	45			
	80	45			

Eclipse II Luminaire with Enclosed reflector

Lamp	Wattage	Temperature Classification	Max. Ambient (°C)	Min. Ambient (°C)	Max. Surface Temperature (°C)
SON	400	T3	45	-45	160
MBI					
SON	250		50		
MBI					
SON	150		55		
MBI					
SON	100	40	180		
MBI					
MBFU	400	T3	40		180
	250				

Eclipse Junior Luminaire

Lamp	Wattage	Max. Ambient (°C)	Temperature Classification	Max. Ambient (°C) (No PFC)	Temperature Classification (No PFC)	Min. Ambient (°C)	Max. Surface Temperature (°C)
SON	50	50	T4	55	T3	-45	130
SON	70	50	T4				
MBI	70	50	T4				
MBF	80	50	T3				
MBF	125	40	T3				
GLS	100	55	T4				
GLS	150	55	T4				
CFL-DE	13	50	T4				N/A
CFL-DE	18						
CFL-DE	26						