



BASEEFA

British Approvals Service
for
Electrical Equipment
in
Flammable Atmospheres

Certificate of Assurance

APPARATUS CERTIFICATE NO Ex 90Y4335

Issued to **ANDREW CHALMERS & MITCHELL LIMITED**

of **Glasgow, G52 4QW.**

THIS IS TO CERTIFY THAT THE CHALMIT 2400 SERIES OF STAINLESS STEEL FLOODLIGHT LUMINAIRES

designed and constructed in accordance with the specification set out in the attached Schedule and the documents therein referred to, including any variation specified in the Schedule, complies with the appropriate requirements where applicable of:-

BS 4533 : Section 102.51 : 1986

This Certificate is granted subject to the general conditions of the British Approvals Service for Electrical Equipment in Flammable Atmospheres and any additional conditions as may be prescribed.

This Certificate does not imply that the apparatus meets all statutory requirements in any particular industry or circumstance.

File : **EECS 0068/03/010**

Test Report No: **ERA Ref 3628/158**
Dated **September 1990**

Code : **Ex N II 150°C (T3)**

or **Ex N II T3**

or **Ex N II 220°C (T2)**

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I.M. CLEARE
DIRECTOR EECS
24 October 1990

2207/38

Certificate of Assurance

Schedule

NUMBER Ex 90Y4335

DATED 24 October 1990

APPARATUS

CHALMIT 2400 SERIES OF STAINLESS STEEL FLOODLIGHT LUMINAIRES comprising a restricted breathing lamp enclosure for use with high pressure sodium lamps, high pressure mercury vapour lamps or tungsten halogen lamps. The variants of the apparatus covered by this certificate are listed below.

Type No	Lamp Watts	Temperature Class	Lamp Type
2404/50	50	150°C (T3)	SON/T
2404/70	70	150°C (T3)	SON/T
2406/50	50	150°C (T3)	SON/E or SON/T
2406/70	70	150°C (T3)	SON/E or SON/T
2406M/50	50	150°C (T3)	HPMV
2406M/80	80	150°C (T3)	HPMV
2409/150	150	T3	Tungsten Halogen
2409/250	250	220°C (T2)	Tungsten Halogen

The luminaires may be used with any of the following supply voltage/frequency combinations.

Supply Volts (a.c. r.m.s.)	Supply Frequency (Hz)
200	50
210	50/60
220	50/60
230	50/60
240	50/60
250	50/60
260	60

Certificate of Assurance

Schedule

NUMBER Ex 90Y4335

DATED 24 October 1990

Internal components comprise an A.G. Hackney Type 114800 E27 lampholder, Certified by BASEEFA according to Component Approval No. 4129U, and as appropriate a W.J. Parry ignitor, Type PBA070, Certified by BASEEFA according to Component Approval Ex 88Y4386U; a capacitor to BS 4017:1979 having metallised polypropylene film construction; a W.J. Parry or Transtar/Davis ballast to BS 4782:1971 and Klippon terminals, Type AKZ, Certified by BASEEFA according to Component Approval No. 4025U/B.

The luminaire may be operated with the lamp axis horizontal or vertical (lamp cap up).

Provision is made for the looping of supply cables.

Cable entry to the enclosure is made via threaded or clearance holes provided in the enclosure wall to accept an approved gland (or glands) appropriate to the cable being used and suitable for maintaining the restricted breathing properties of the luminaire.

DRAWING

Number	Issue	Date	Description
D1292	6	27/8/90	G.A.

VARIATION ONE

Alternative terminal assembly Type MK 6/6 manufactured by Klippon Electricals Limited, Certified by BASEEFA according to Component Approval No. 4020/U/B. Looping of the supply cables is provided by the fitting of Type QB 2-way comb.

British Approvals Service for Electrical
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Certificate of Assurance - Variation

SUPPLEMENTARY CERTIFICATE BAS No. Ex 90Y4335/1

This is to certify that Apparatus Certificate number:

Ex 90Y4335

held by:

SIMPLEX CHALMIT LIGHTING LTD

of:

388 Hillington Road, Glasgow, Scotland, G52 4BL

for the:

CHALMIT 2400 SERIES OF STAINLESS STEEL LUMINAIRES

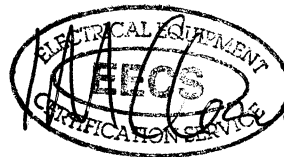
is hereby extended to apply to the apparatus designed and constructed in accordance with the specification set out in the Schedule of the said Certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This Supplementary Certificate shall be held with the original Certificate.

File No: EECS 0068/03/010

Sheet 1 of 2

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances. Representation of equipment as "Certified" is valid only when the number of the prime certificate to which this certificate is a supplement is given on the relevant EECS Manufacturing Licence or Verification Certificate.



**I M CLEARE
DIRECTOR**

4 June 1998



Electrical Equipment Certification Service
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire. SK17 9JN. United Kingdom
Tel: 01298 28000 Fax: 01298 28244



Registration Number
020
The use of the Accreditation
Mark indicates accreditation in
respect of those activities
covered by the accreditation
certificate number 020.

British Approvals Service for Electrical
Equipment in Flammable Atmospheres



Schedule

Supplementary Certificate BAS No. Ex 90Y4335/1

VARIATION TWO

To permit an alternative ignitor, the Parry PXA 070 which is covered by BASEEFA Component Approval No. Ex 97Y4283U coded Ex N II.

The ballasts may be fitted with thermal cutouts.

DRAWING

<u>Number</u>	<u>Issue</u>	<u>Date</u>	<u>Description</u>
A6601	-	18.3.98	Lamp/Gear schedule