

A R Edwards
BSc CEng MIEE
Chartered Engineer
Tel: 01384 872107
Mobile: 07977 267093
E mail: alfedwards@skynow.net

163 Bridgnorth Road
Stourton
Stourbridge
West Midlands
DY7 6RY



ATEX Examination Certificate

Certificate Number

03ATEXTF457/01

This Certificate is issued for the electrical equipment:

Type 457 Bulkhead Luminaire

Manufactured and submitted by :

PFP Electrical Products Ltd
Birmingham
B33 0LB

The equipment must be designed and constructed in accordance with the specification set out in the attached schedule and referenced documentation

This Certificate does not imply that the equipment meets all statutory requirements in any particular industry or application


Directive:

ATEX Directive 94/9/EC

Standard:

EN50021:1999

Coding

CE  II 3 GD EEx nC T3 Tamb -20°C to +40°

CE  II 3 GD EEx nC T6 Tamb -20°C to +40°

This Certificate may only be used in its entirety and without change

Issue date:

30 July 2003

Report Numbers

Epsilon ETS0662 & TF 457/01

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ATEX Examination Certificate Schedule

Equipment Description

The Type 457 Bulkhead Luminaire comprises a cast iron body and borosilicate glass diffuser. The enclosure is of restricted breathing design and utilises a moulded silicon gasket to between the body and diffuser to achieve the necessary sealing. The luminaire is available in two models:

150W maximum rating GLS lamp

25W maximum rating compact fluorescent lamp with integral control gear.

Rating: 220-240V 50 to 60 Hz.

Drawings:

Number	Revision	Date	Title
LA0006	1	30-7-03	Certification Label
X0005	1	30-7-03	Gasket
LM4-001	1	30-7-03	General Arrangement

Conditions of Certification:

None

Special Conditions of Certification:

None

Issue date:

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The Petrel Type 457 Zone 2 Bulkhead Luminaire Range from PFP Ltd
RESTRICTED BREATHING ENCLOSURE
 Application, Installation and Maintenance Instructions



General Data

Certificate No. 03ATEXTP457/01 Protection II 3 GD EEx nC II T3 200°C or T6 85°C
 Models available: 150W Maximum GLS lamp - T3 200°C
 23W Maximum Compact fluorescent lamp - T6 85°C

All versions suitable for Tamb -20°C to +40°C

In accordance with EEC Directives 89/336/EEC for Electromagnetic Compatibility and 73/23/EEC for Low Voltage.
 The luminaire is suitable for operation from an electrical supply of 250V maximum 50-60Hz

WARNING

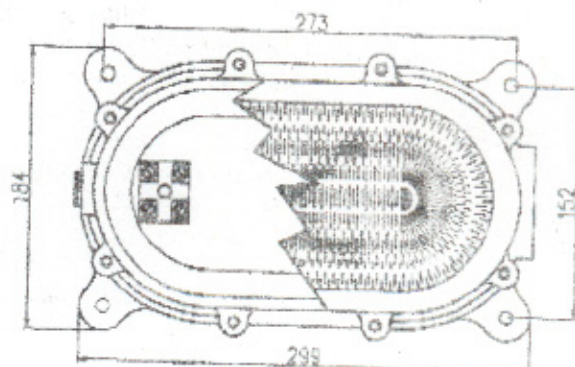
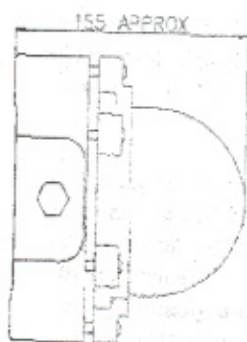
Under no circumstances must any additional holes be drilled in the equipment as this would invalidate certification.
 Certification and specification data is shown on the equipment nameplate. Check that the equipment is suitable for the application concerned - i.e. that the gas grouping, temperature classification, equipment voltage etc. are appropriate to the application. This may be done by reference to BSEN60079 for UK installations or by equivalent Codes of Practice for other countries. The equipment must be installed by suitably trained and qualified personnel and as required by the applicable Codes of Practice for the country concerned and maintained according to relevant Codes of Practice.

Special Considerations

The equipment is designed and tested to meet IP67/68 but in order to maintain the validity of the certification the enclosure must maintain a rating of IP54 minimum.

The luminaire meets Category 3 requirements for safe operation in Zone 2 hazardous areas. It relies on the "Restricted Breathing" method of protection for safe operation and it is therefore essential that when re-closing the luminaire, care must be taken to ensure that the moulded sealing gasket and its mating surfaces are in good condition and fully functional. The enclosure material is cast iron with a borosilicate glass diffuser and a moulded silicon rubber sealing gasket and the performance of these materials should be considered with regard to attack from aggressive substances which may be present in the hazardous area.

Mounting Arrangements



Mounting is by four M6 screws or studs using the fixing feet provided.

Weight 8Kg

Access to the Enclosure

WARNING

These luminaires must not be opened in a flammable area or when energised.
 Access to the enclosure for connection or maintenance is achieved by releasing the eight socket button screws provided. Ensure when the screws are refitted that the tightening torque is applied to all screws to ensure that the seal is equally compressed and that the luminaire enclosure is checked to ensure that the restricted breathing characteristics are maintained.

Electrical Connections

This luminaire must be earthed using the terminal provided. The terminals are suited to 4mm² cable. Cable glands and sealing devices for unused entries must maintain an ingress protection rating of IP67/8 if occasional submersion may occur but at least IP65 to maintain the protection characteristics. M20 cable entries are supplied as standard.
 The luminaire is manufactured in accordance with EN60598

Replacements and Spares

Only lamps up to the specified maximum rating may be fitted and other replacement components may be obtained from PFP Ltd at the location shown below.

PFP Electrical Products Ltd - 22 Portnum Close, Mackadown Lane, Kitts Green Birmingham B33 0LE England
 Tel 00+44(0)121 783 7161 Fax 00+44(0)121 783 5717
 mail@pfp-elec.co.uk www.pfp-elec.co.uk

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Declaration of Conformity

In accordance with EU Directives

European Directive 89/336/EEC "EMC Directive"

European Directive 73/23/EEC "Low Voltage Directive"

European Directive 94/9/EC "ATEX Directive"

Date: 30 July 2003
Report Numbers: Epsilon ETS0662
TF457/01
Manufacturer: PFP Electrical Products Ltd
Birmingham
B33 0LB

The manufacturer hereby declares that the product:

Type 457 Bulkhead Luminaire

To which this declaration relates are declared as being in compliance with the requirements of EU Directives 89/336/EEC, 73/23/EEC and 94/9/EC

Equipment specification: Listed in reports Epsilon ETS0660 & TF457/01

The following Harmonised European Standards have been applied:

EN60598-1:2000, EN60598-2-1:2000, EN50021:1999 & EN50281-1-1:1999

This Declaration may only be used in its entirety and without change

On behalf of PFP Electrical Products Ltd

A R Edwards
Chartered Electrical Engineer