

**Australian/New Zealand  
Certification Scheme for  
EXPLOSION-PROTECTED ELECTRICAL EQUIPMENT  
ANZEx Scheme**

*Certificate of Conformity*

Certificate No.: ANZEx 08.3050X

Issue No.: 0

Date of Issue: 15/07/2008

**Certificate Holder:** Trolex Limited  
Newby Road, Stockport  
SK7 5DY  
United Kingdom

**Electrical Apparatus:** Xenon Flashing Beacon TX5331

**Type of Protection:** Ex ia

**Marking Code:** Trolex  
TX5331 Xenon Beacon  
Ex ia I  
ANZEx 08.3050X  
S. No. ....

**Manufacturing Location(s):** Trolex Limited  
Newby Road, Stockport  
SK7 5DY  
United Kingdom

*The EPEE certification database located at <http://www.anzex.com.au> shows the validity of this Certificate.*

**This certificate and schedule shall not be reproduced except in full**



Certificate issued by:

***TestSafe Australia***

919 Londonderry Road, Londonderry NSW 2753

**Australia**

**Phone: +61 2 4724 4900 Fax: +61 2 4724 4999**

<http://www.testsafe.com.au>



[www.jas-anz.com.au/register](http://www.jas-anz.com.au/register)

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*This certificate is granted subject to the conditions as set out in Standards Australia/Standards New Zealand Miscellaneous Publication **MP87:2004**.*

**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 60079-0:2004      Electrical apparatus for explosive atmospheres – Part 0: General requirements

IEC 60079-11:2006      Explosive Atmospheres – Part 11: Equipment protection by intrinsic safety “i”

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

**ASSESSMENT & TEST REPORTS:**

*The equipment listed has successfully met the assessment and test requirements as recorded in:*

Test Report No. and Issuing Body:	TR 30373 issued by TestSafe Australia
Quality Assessment Report No. and Issuing Body:	QAR 07.021 issued by TestSafe Australia
File Reference:	2008/011298



Signed for and on behalf of issuing body

Quality & Certification Manager

Position

15/07/2008

Date of Issue

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**This certificate is not transferable and remains the property of the issuing body and must be returned in the event of it being revoked or not renewed.**

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### Schedule

**EQUIPMENT:**

The apparatus is designed to be used as a visible warning device and provides a repetitive light pulse at either of two predetermined flash rates as chosen by the user.

The unit consists of a rectangular polycarbonate enclosure into which a cylindrical polycarbonate dome is fitted. The enclosure has two separate compartments.

The terminal compartment has a removable polycarbonate lid and three M20 cable entries for the in line connection of an external separately certified power source. It has a single Barrier board inside.

The printed circuit board compartment contains several circuit boards that are totally encapsulated in conjunction with an electronic flash tube in the polycarbonate dome

The flash rate can be changed by making or breaking a link between two terminals in the terminal compartment.

**CONDITIONS OF CERTIFICATION:**

For following parameters shall be taken into account during installation:

**TX5331 - Group I:**

Intrinsically Safe Input/Output Parameters	Pins 1, 3 w.r.t 2
U <sub>i</sub>	15.4 V
C <sub>i</sub>	0 μF
L <sub>i</sub>	0 μH

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**DOCUMENTS:**

Document No.	Sheets	Document Title	Issue	Date
P5176.1	1	Circuit Diagram TX5330 Series Xenon Beacon	C	1992/07/06
P5176.2	1	General Arrangement TX5330 Series Xenon Beacon	D	2008/07/10
P5176.3.1	1	PCB Master Side A (Control Board) TX5330 Series Xenon Beacon	B	1992/07/06
P5176.3.3	1	PCB Master Side B (Control Board) TX5330 Series Xenon Beacon	B	1992/07/06
P5176.04	1	PCB, High Voltage TX5330 Series Xenon Flashing Beacon	C	2008/07/03
P5176.5	1	Arrangement of PCB's TX5330 Series Xenon Beacon	B	1992/07/06
P5176.8.3	1	PCB Master Side B (Barrier PCB) TX5330 Series Xenon Beacon	B	1992/07/06