

Test Certificate for Enclosure Impact Protection Testing of
 Weatherproof Batten ZWP444 to IEC62262-2002, IK10 Code

Client:	TREND Lighting Pty Ltd
Address:	Level 3, 290-292 Coward St, Mascot NSW, 2020
Report Number:	0518TREZwp262
Date of Testing:	16 May 2018 – 17 May 2018
File Number:	TRE180413
Equipment Name:	Weatherproof ZWP444
Equipment Model No.:	ZWP444
Equipment Description:	Weatherproof Batten
Test Standard:	AS62262:2002 for IK10 Code
Result:	Pass*
Author:	Enver Torlakovic Test Engineer
Reviewed by:	Jonathan Longfield Test Engineer
Date of Issue:	18 May 2018
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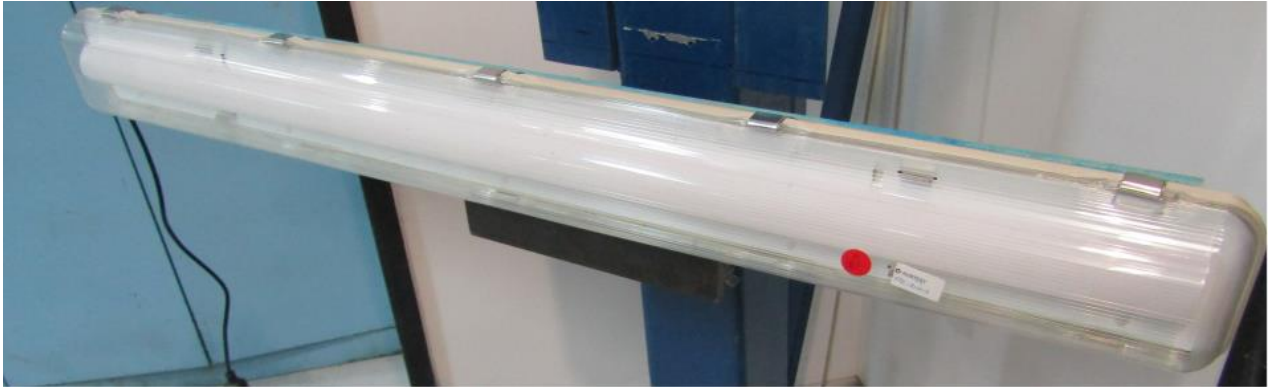
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TEST ITEM

TREND Lighting Pty Ltd of Level 3, 290-292 Coward St, Mascot NSW 2020, submitted one (1) Weatherproof batten, identified as model no. ZWP444, for testing on Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK10 code), in accordance with AS62262:2002.

The test item is shown in Photograph 1 below.



Photograph 1: Test item - Weatherproof ZWP444 batten

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TEST DETAILS

Mechanical Impact Test

Test Parameters

The test item was subjected to IK Code testing by Pendulum Hammer method in accordance with IEC62262:2002 standard titled "Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts", and IEC 60068-2-75 Environmental testing – part 2: Tests-Test Eh: Hammer tests, to the following parameters:

Test Type:	Pendulum hammer
Test severity:	IK10
Impact energy value:	20 J
Equivalent mass:	5 kg
Height of fall:	400 mm \pm 1%
No of impacts:	2 per accessible face

Test Configuration

Testing was conducted using an impact hammer test jig with the test item rigidly mounted by its nominal mounting method. The test item was rotated to apply impacts to the necessary faces. The pendulum hammer was free to swing from the required height to generate the test impact energy.

Two typical test setup configurations are shown in Photographs 2 and 3, Appendix I.

TEST RESULTS

No visible damage was observed on the test item after the completion of the Mechanical Impact test. Therefore, the Weatherproof batten, model no. ZWP444 met the requirements of AS62262:2002, IK10 Code.

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Appendix I – Test Photographs



Photograph 2: Typical test setup – long face (lens)



Photograph 3: Typical test setup – side face (lens)

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