



T e s t R e p o r t

Report No : LS1309 Interim Report

Client: : Holscot Fluoroplastics Ltd
Alma Park Road
Alma Park Industrial Estate
Grantham
Lincs NG31 9SE

Description : FT8/58W/840 Tubular Fluorescent Shatterproof Lamps

Lamp Type/Model : Model No. 93333/37559

Condition on Receipt : Good

Test Specification : BS EN 61549:2003+A2:2010 – Requirements for double capped fluorescent fragment retention lamps. Impact resistance drop test (Clause 4.4.1) and Glow-wire test (Clause 4.3.1).

Date Tested : 05/07/13

Conclusion : The samples tested complied with the Test Specification

Date Issued : 21/08/13

Signed: S.RICHARDS
Position: Photometrics Engineer

A handwritten signature in blue ink, appearing to read "S. Richards", is written over a light blue rectangular background.

Approved: K.GOVINDEN
Position: Technical Manager

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These Test Results relate only to the unit tested. This Report and following report may not be reproduced except in full without the written approval of the Testing Laboratory.

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Clause 4.4.1 – Drop Test

The client supplied 30 new unused T8 Tubular Fluorescent lamp samples in order to conduct the drop test in accordance with clause 4.4.1 of BS EN 61549:2003+A2:2010. Each lamp was dropped horizontally from a height of 4 metres onto a flat concrete surface. The concrete surface around the lamp was examined in order to determine whether any glass had escaped from the lamp. The lamp coating was then visually examined for signs of holes where glass could escape, and to confirm that the lamp caps had been retained by the coating.

Standard requirements

The requirement of the standard is that the lamps are considered to have passed the test if all glass fragments and the lamp caps are retained by the coating/sleeving. Glass fragments are allowed to puncture the coating/sleeving but must be retained by it.

Test results

All of the new unused T8 lamp samples complied with the requirements of the standard.

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Clause 4.3.1 – Glow-wire Test

A sample of the shatterproof coating material from the lamps was then subjected to the Glow-wire test at 650°C.

Standard requirements

The requirement of the Standard is that the duration of any burning shall not exceed 30 seconds after removal of the Glow wire and any burning drop from the sample shall not ignite the underlying parts of tissue paper spread out horizontally 200mm below the sample.

Test results

The shatterproof coating sample did not ignite when the Glow-wire was applied to the sample. No drop occurred to the tissue paper situated beneath the test sample. The sample is therefore deemed to comply with the requirements of the standard.

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ILLUSTRATION



End