



FAR 4802-TO [2017]

Technical Opinion Summary

This is to certify that the specimen described below has been examined by BRANZ on behalf of the sponsor in accordance with AS 1530.4-2005 and AS 1530.4 -2014:

Sponsor

Gartner Superlux Limited
11 Mahunga Drive
Mangere
Auckland 2022
New Zealand

Reference BRANZ Reports

FAR 4802-TO [2017] 12 October 2017

Specimen Name: Superlux SVE90, SVE90-Fire 60, LDLB90 and LDLB90-Fire 60 recessed light fittings

Specimen Description: The down lights consist of a steel body closed at one end and open at the other with a turned-out flange. The light fitting has measured dimensions of 91 mm high x 84 mm external diameter with the flange extending the overall diameter to 102 mm. There are two steel retaining springs positioned equally around the circumference of the body. Above the steel body is an aluminium cover onto which a bracket for the transformer box is screwed. The plastic transformer box is stated to be made from self-extinguishing plastic. A halogen Dichroic lamp is provided in the SVE90 and SVE90 – Fire 60 downlights and an LED lamp is provided in the LDLB90 and LDLB90 – Fire 60 downlights. These are secured within an aluminium cover which is pressed into the steel body and secured with retaining clips. The SVE90 – Fire 60 and LDLB90 – Fire 60 downlights are provided with a YN-206 intumescent coating of nominal 300 micron thickness. The downlights installed, with a bead of fire seal provided around the body to seal the annular gap between the downlight and the ceiling lining, in the plasterboard ceiling linings of Winstone Gib® floor ceiling systems as listed, will not prejudice the fire resistance of the floor/ceiling systems for periods up to the stated FRR.

Regulatory authorities are advised to examine the full technical opinion before approving any product.

Orientation: Exposure from below

The assessed results were as follows

Downlight	Winstone Floor/Ceiling Systems
SVE90 & LDLB90	GBFC 15, GBUC 15, GBCJ 30, GBSJ 30, GBSC 30, GBUC 30, GBFC 45, GBCJ 45 and GBUC 45
SVE90 – Fire 60 & LDLB90 – Fire 60	GBFC 15, GBUC 15, GBCJ 30, GBSJ 30, GBSC 30, GBUC 30, GBFC 45, GBCJ 45, GBUC 45, GBFC 60, GBCJ 60, GBSC 60a, GBSC 60b, GBSJ 60 and GBUC 60

Issued by


M. E. Godkin
Senior Fire Testing Engineer

Reviewed by


P. Chapman
Senior Fire Testing Engineer

Issue Date

12th October 2017

Expiry Date

12th October 2022