

# SolaBrite

Refer to product table below for applicable product codes covered by this document

Issue **A, 11/2023**

## Product Type & Application

Bradford Ventilation SolaBrite is a tubular skylight designed to bring natural light to a living space via flexible foil ducting in residential buildings in non-cyclonic areas.

## Compliance with the New Zealand Building Code

When correctly specified and installed, this product meets or contributes to compliance with the following performance requirements of the building code:

- **B2 Durability** B2.3.1(c) – The materials of construction of the Bradford Ventilation SolaBrite have a well-established history of use in service.
- **E2 External Moisture** E2.3.2 – The Bradford Ventilation SolaBrite has more than 15 years' history of use. It complies with the Australian NCC for use in all non-cyclonic wind zones and is tested to AS4046.9.
- **F2 Hazardous building materials** - F2.3.1 - The materials of construction of the Bradford Ventilation SolaBrite do not emit or give rise to harmful concentrations of gas, liquid, radiation or solid particles.
- **G7 Natural Light** – G7.3.1 (contributes to) – The Bradford Ventilation SolaBrite contributes to providing illuminance at floor level by natural light.

## Basis of Compliance

- CSR Research Laboratory Test Report ETR-00096, SolaBrite Dynamic Weather Resistance Test (in accordance with AS4046.9), 10 September 2021.
- Arcadis Report 30051677\_4, CSR Bradford Roof Ventilator Weatherproofing Performance Solution, 17 December 2021.
- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability Second edition (Amendment 12), 28 November 2019.
- Verification Methods E2/VM1 and Acceptable Solutions E2/AS1, E2/AS2 and E2/AS3 for New Zealand Building Code Clause E2 External Moisture Third edition (Amendment 10), 5 November 2020.
- G7 Natural Light, Acceptable Solution G7/AS1 Natural Light for simple buildings up to three storeys excluding those with borrowed daylight, Second edition, 29 November 2021.
- G7 Natural Light Verification Method G7/VM1, Natural Light for all buildings including those with borrowed daylight, Second edition, 29 November 2021

## Limitations of Use

- **IMPORTANT:** Do Not Modify This Product: Compliance with the evidence of suitability data referenced in this document is only achieved by the product or configuration listed in this PTS.
- Do not use for exhausting hazardous, abrasive, acidic and alkaline vapour or areas containing explosive or corrosive materials.
- This product has not been tested for use in cyclonic wind regions.
- The product is only suitable for roof pitches 5° to 35°.
- This product is not subject to any warning or ban declared by MBIE under section 26 of the Building Act 2004.
- Seek technical advice from Bradford Ventilation on application suitability if unsure.

## Specific Design or Installation Instructions

- Isolate power before installation.
- This product requires specific areas to be sealed against water entry and other areas to be left unsealed to allow internal condensation drainage – refer to the installation guide for details.
- For optimal performance install SolaBrite on the northern side of the roof, in a location with clear sunlight that is not shaded.
- Incoming light levels may be reduced when the product is installed with an orientation away from north and with an elevation outside 20°-35° roof pitch.
- The flexible tubing is most effective in reflecting light when fixed in a straight line but it can be bent to reach difficult areas - note that more bends in the tube will progressively reduce the proportion of reflected light.
- Installation must be in accordance with the SolaBrite Installation Instruction.

**For general installation guidance refer to the product installation guide at [www.bradfordventilation.com.au](http://www.bradfordventilation.com.au)**

## Conditions of Storage, Use & Maintenance

- Store in the original packaging in a cool and dry area.
- The diffuser must be cleaned regularly to ensure the maximum amount of light can enter the living space.
- Do not attempt to repair – contact Bradford Ventilation for service advice.

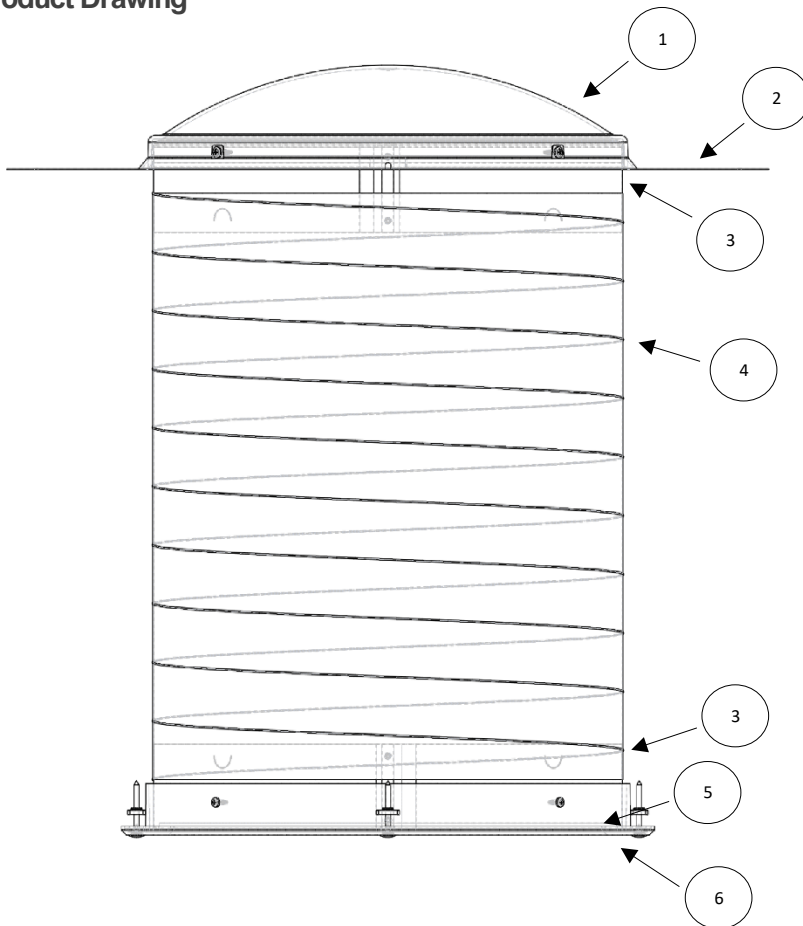
**Refer to the product warranty at [bradfordventilation.com.au](http://bradfordventilation.com.au) for more information.**

## SolaBrite

### Applicable Product Codes (SKU)

SAP Code	Product Description
61424	SolaBrite 300mm
61425	SolaBrite 400mm

### Product Drawing



### Product Specification

No.	Item Description	SolaBrite 300mm	SolaBrite 400mm
1	Roof Dome	Clear – High impact acrylic	
2	Roof Flashing	500 x 500 x 0.7mm Aluminium flashing	750 x 650 x 0.7mm Aluminium flashing
3	Reflective Ring	0.5mm Anodised aluminium	
4	Reflective Flexible Tubing	300mm diameter reflective spiral tubing	400mm diameter reflective spiral tubing
5	Light Diffuser	3mm clear acrylic diffuser	
6	Ceiling Frame	White – ABS.	

Bradford NZ, 14 The Furlong, Takanini, Auckland For further technical advice call 0800 277 123/ visit [bradfordinsulation.co.nz/](http://bradfordinsulation.co.nz/) email [bradford@csr.co.nz](mailto:bradford@csr.co.nz)

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