

## **160DS Optiview Frosted Shade (White Trim)**

### Recommended Specification

#### **Solatube 160DS (250mm diameter) Daylighting System with Optiview Frosted Shade White Trim Diffuser**

##### **S160DS-DA-x-Exx-L7**

Roof Mounted 250mm Tubular Daylighting System with UV and impact resistant Raybender 3000 Dome, Spectralight Infinity 99.7% Spectral reflectivity solid tubing with ceiling level Optiview Frosted Shade White Trim Dual Glazed diffuser assembly, transferring sunlight to interior spaces complying with ICBO/ICC AC-16.

**Roof Dome:** Raybender 3000 variable prism optic moulded into dome to capture low angle sunlight and limit high angle sunlight. 3.7 mm minimum thickness injection moulded acrylic, classified as CC2 material; UV inhibiting, impact modified acrylic blend. EDCS (Effective Daylight Capture Surface) of 160 square inches (1032cm<sup>2</sup>).

##### **Flashing:**

Flashing base supporting dome and top of tube as per manufacturer's recommendations to suit roof profile.

##### **99.7% Spectrally Reflective Tubing:**

Aluminium sheet, thickness 0.5mm. Top Tube Angle Adapter, 406 mm long. Spectralight Infinity 99.7% high reflectance specular finish on exposed reflective surface. Visible spectrum (400 nm to 760 nm) greater than 99 percent. Total solar spectrum (400 nm to 2500 nm) less than 93 percent.

##### **Optiview Frosted Shade White Trim Diffuser:**

Fresnel lens designed to maximize light output and diffusion. Visible Light Transmission shall be greater than 90 percent at 0.6 mm thick. Classified as CC2.

**Performance Tested:** NFRC (National Fenestration and Ratings Council). Meets SHGC and U-Value requirements set out in the BCA (Building Code of Australia) tables 3.12.1.2 and J1.4. SHGC = 0.30 U-Factor = 2.44