

# **160DSe eChoice Vusion White Trim**

## **Recommended Specification**

### **Solatube 160DSe eChoice (250mm diameter) Daylighting System with Vusion White Trim Diffuser**

#### **S160DSe-DA-x-Exx-L4**

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 Vusion 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.

#### **Thermal Insulation Panel**

Transparent thermal insulation panel fitted in tube for low SHGC & U-Factor providing energy efficient thermal performance.

#### **Vusion White Trim Diffuser:**

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 = 0.20 U-Factor = 1.59