

Brighten Up® Series Material Specifications

Roof Dome: Injection molded, impact resistant, acrylic with UV protective characteristics. Classified as CC2 material, 0.125" thick, with visible light transmission minimum 92%. Optional Shock Inner Dome for High Velocity Hurricane Zones. Raybender® 3000 Technology (Patented) Prismatic pattern molded into dome to capture low angle sunlight and limit high angle sunlight.

LightTracker™ Reflector: Increase daylight collection and harvesting for low sun angles, resulting in increased light output. Spectralight® Infinity Material, see below for specifications.

Dome Ring: Contains condensation gutter designed to channel out condensed moisture. Injection molded impact resistant acrylic.

Roof Flashing Base: Metal with protective powder coating complements roofing materials and combats corrosive material.

Reflective Tube: Options available for Extension Tube, 30 Degree Adjustable Tube, and 0-90 Degree Extension Tube Kit also available.

Spectralight® Infinity Material: Fabricated from aluminum sheet meeting ASTM B 209 requirements, alloy and temper required by the manufacturer to suit forming operations and finish requirements.

Interior Finish: Spectralight® Infinity high reflectance specular finish on exposed reflective surface; Specular reflectance for visible spectrum (400 nm to 760 nm) greater than 99%; Total solar spectrum (400 nm to 2500 nm) less than 93%.

Color: a^* and b^* (defined by CIE $L^*a^*b^*$ color model) shall not exceed plus 2 or be less than minus 2 as determined in accordance to ASTM E 308.

Ceiling Ring: Injected molded impact resistance acrylic.

Ceiling Diffuser Assembly:

Diffuser Trim Ring Options:

White Trim Ring: Injection molded, impact resistant acrylic

Stainless-Tone Trim Ring: Injection molded, impact resistant acrylic tinted

Frosted Shade Ring: Injection molded impact resistant acrylic dress ring with pre-assembled injection molded cone fixture

Diffuser Lens Options:

OptiView® Diffuser: Molded polycarbonate plastic classified as CC1 material

Vision Diffuser: Injection molded acrylic plastic classified as CC2

Effect Lens Options:

Natural Effect Lens: Injection molded acrylic classified as CC2

Warm Effect Lens: Injection molded acrylic classified as CC2

Soft Effect Lens: Injection molded acrylic classified as CC2

Warm Softening Effect Lens: Injection molded acrylic classified as CC2

Natural Effect Lens for Climate Control: Polycarbonate plastic classified as CC1 material

