

SolaMaster® Series Material Specifications:

1. Dome is UV and impact resistant for extended service life. Its low profile design is unobtrusive. Impact modified, acrylic. Classified as CC2 material, .143" thick, with visible light transmission of 92% and ultra violet light transmission of .03%. (Optional polycarbonate domes available.)
2. LightTracker™ Reflector increases daylight collection and harvesting for low sun angles, resulting in increased light output. Spectralight® Infinity. For specifications see # 6 below.
3. Permeable Dome Seal locks out dust and bugs, but allows moisture to escape. Black breathable weatherstrip material with 0.40" pile.
4. Dome Ring and Dome Seal to channel condensed moisture out of the system. Durable white PVC, injection molded non-corrosive material.
5. One-Piece Seamless Flashing , 4"-, 8"- and 11"- high (100 mm/200 mm/280 mm) ensures a no-leak installation. 0.028 inches thick aluminized steel with powder coated exterior.
6. The 30-degree Angle Adaptors feature 30-degree elbows for easy installations. The diameter tubes fit between 24" (600 mm) on center framing. Angle adaptors utilize Spectralight® Infinity for a reflective surface.

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, 0.018" thick.

Interior Finish: Spectralight Infinity high reflectance specular finish on exposed reflective surface; 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.

7. Extension Tubes are 24 in/600 mm in length, for installations up to 50 ft/15 m. Spectralight® Infinity.
8. 2'x 2' (600mm x 600mm) Transition Box (21 in/530 mm only). Fits a standard suspended ceiling system. Opaque polymeric material, classified as CC2, Class C, 0.110 in/3 mm thick.
9. Square Diffuser Panel fits into the transition box and complements traditional light fixtures. UV and weather resistant diffuser seal provides an effective dust and bug seal.

