

SolaMaster® Series Material Specifications:

Roof Dome: Dome is UV and impact resistant for extended life. Injection molded acrylic classified as CC2 material, 0.143 in (3.7 mm) thick, with visible light transmission of 92% and ultra violet light transmission of 0.03%.

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

Permeable Dome Seal: Adhesive backed weather strip locks out dust and bugs, but allows moisture to escape.

Dome Ring to prevent thermal bridging between base flashing and tubing and channel condensed moisture out of tubing. Injection molded high impact PVC.

Dome Ring Seal: Butyl glazing rope to minimize air infiltration.

Roof Flashing Base: One piece, seamless, leak-proof flashing functioning as base support for dome and top of tube.

Flashing Options: 4-in, 8-in 11-in high (100 mm, 200 mm, 280 mm) or curb cap with inside dimensions 27 in x 27 in (685 mm x 685 mm) to cover curb by others.

Reflective Tube: Aluminum sheet, thickness 0.018 in (0.5 mm)

24 in (600 mm) Extension Tube or optional 30 degree adjustable tube. Optional 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 percent. Total solar spectrum reflectance (400 nm to 2500 nm) less than 93 percent.

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.

Diffuser Assembly: Diffuser attached directly to bottom of 24 in (600 mm) extension tube. Diffuser trim ring injection molded acrylic (white). Open cell foam diffuser seal to minimize dust and bug infiltration.

Diffuser Options: OptiView® Diffuser or Prismatic Diffuser.

