

SunWeld™ Plus Dynamic Dome by VELUX®

Carlisle's SunWeld Plus Dynamic Dome Skylight by VELUX® has a revolutionary dome design with superior daylight capturing capabilities. The VELUX Dynamic Dome skylight is architecturally elegant, strong, and can deliver more daylight by capturing low-angle sunlight in the early morning and late afternoon.

SUNWELD™ PLUS Conventional Skylight BY **VELUX®** Commercial

LIGHT HARVESTING

- » Dome shape engineered to maximize low-angle sunlight.
- » Taller domes provide more surface area to harvest more daylight.
- » Smooth clear outer dome delivers 20% more daylight than a skylight with a prismatic outer dome; white prismatic inner dome option provides 100% light diffusion.

DOMESTRENGTH

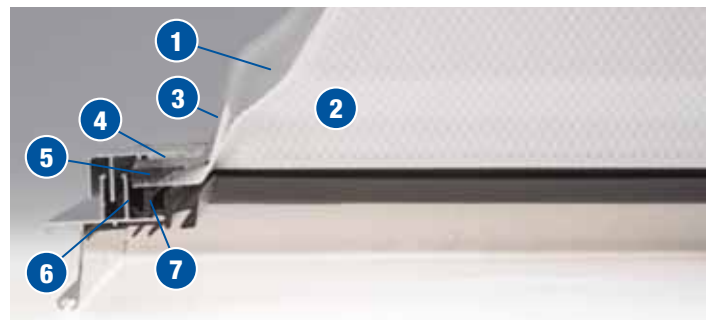
- » Dome profile designed to maximize strength and improve impact resistance.
- » Repeating series of ridges and ribs provide superior structural strength.

INNOVATIVE FRAME

- » Multiple layers of protection to ensure watertightness.
- » Strong, easy-to-carry frame profile designed for ease of installation.
- » Dry installation—no curb tape adhesives needed.

WARRANTY

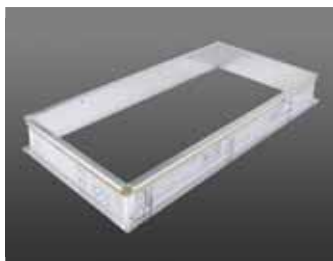
- » 20-year leak-free warranty for LuxGuard and LuxGuard Plus glazings (polycarbonate), and 15-year hail breakage (up to 2" diameter).
- » 10-year warranty for Impact Modified Acrylic (IMA) glazings.



FEATURES

- 1** Smooth outer dome provides more light than prismatic outer dome
- 2** White prismatic inner dome achieves 100% diffusion/haze
- 3** Sidewall of dome engineered to match the sun angles of morning/afternoon hours to improve light transmittance
- 4** 50-year silicone
- 5** Glazing spacer
- 6** Inner dome rests on material with similar expansion/contraction for durability
- 7** Unique one-piece inner frame evacuates all water/condensation harmlessly to the exterior
 - » Dry installation no caulk or curb tape needed
 - » Impenetrable water barrier
 - » No exposed holes to the exterior - air/water/bug filtration
 - » 100% thermally broken - frame is the thermal break
 - » Extra layer of water protection - no path for water to enter the building

CURBS FOR DYNAMIC DOME

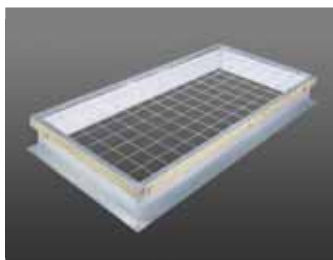


Single Wall Insulated Aluminum Curb

Factory-insulated, single-walled, mill-finished aluminum curb with pressure-treated nailer.

Height options:

9", 12", 16"

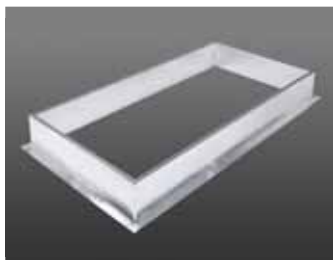


Single Wall Field Insulated Steel Curb

Field-insulated, single-wall, steel curb with pressure-treated nailer and safety screens.

Height options:

9", 12", 16", 18"

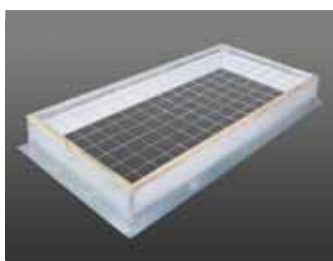


Double Wall Insulated Aluminum Curb

Factory-insulated, double-walled, mill-finished aluminum curb with MDF nailer.

Height options:

9", 12", 16"



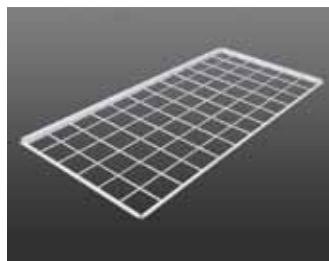
Double Wall Insulated Steel Curb

Factory-insulated, double-wall, steel curb with wooden nailer and safety screens.

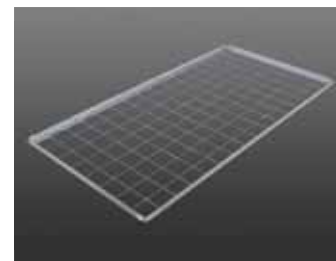
Height options:

9", 12", 16"

FALL PROTECTION FOR DYNAMIC DOME



Interior Safety Screens



Interior Security Bars



Exterior Safety Screen



The safety of others is of the utmost importance to Carlisle. In addition to selecting the correct skylight for the application, Carlisle recommends that the customer consider protecting all skylight openings and skylights with one or more fall protection accessories. Carlisle recommends that the building owner or manager restrict roof access only to personnel who have been sufficiently cautioned as to the location of the skylights, and warned not to sit, step, or walk on the skylights. The building owner or manager should provide fall protection around the skylight in accordance with OSHA regulations.

Dynamic Dome Sizes

Outside Curb Size	Maximum Skylight Clearance
27" x 51"	28 ¼" x 52 ¼"
27" x 99"	28 ¼" x 100 ¼"
27" x 123"	28 ¼" x 124 ¼"
39" x 39"	40 ¼" x 40 ¼"
39" x 63"	40 ¼" x 64 ¼"
39" x 75"	40 ¼" x 76 ¼"
39" x 99"	40 ¼" x 100 ¼"
39" x 123"	40 ¼" x 124 ¼"
51" x 51"	52 ¼" x 52 ¼"
51" x 63"	52 ¼" x 64 ¼"
51" x 75"	52 ¼" x 76 ¼"
51" x 99"	52 ¼" x 100 ¼"
51" x 123"	52 ¼" x 124 ¼"
63" x 63"	64 ¼" x 64 ¼"
63" x 75"	64 ¼" x 76 ¼"
63" x 99"	64 ¼" x 100 ¼"
63" x 123"	64 ¼" x 124 ¼"
75" x 75"	76 ¼" x 76 ¼"