

Traditional Unit Technical Information

Traditional Domed Unit Skylights

Performance

IBC Section 2405.5 Unit Skylight Compliance:

North American Fenestration Standard:

AAMA/WDMA/CSA 101/I.S.2/A440

Air infiltration: <0.01 cfm/ft² @ 6.27 psf per ASTM E283

Water Penetration: 15 psf per ASTM E547

Design Pressure: Varies with size, minimum DP30

IBC Section 2606.4 Light Transmitting Plastics:

Dome Acrylic Glazings:

Self-Ignition Temperature	ASTM D1929	850 deg. F
Smoke Density	ASTM D2843	6.4
Combustibility Classification	ASTM D635	CC2

Standard Info

Finishing:

Frame: White PVC

Retainer: Mill. Other finishes also available, contact factory.

Glazing:

Double: High performance acrylic outer dome over acrylic inner dome.

Triple: High performance acrylic outer dome over two acrylic inner domes.

Performance

Acrylic	LT	SHGC	U-Value	R-Value	Haze
Clear	92%	0.84	1.20	0.83	0%
White 2447	54%	0.64	1.20	0.83	100%
Bronze 2412	27%	0.50	1.20	0.83	0%
Clear/Clear	85%	0.77	0.61	1.64	0%
Clear/2447 White	50%	0.52	0.61	1.64	100%
2447 White/2447White	29%	0.41	0.61	1.64	100%
2412 Bronze/Clear	25%	0.37	0.61	1.64	0%
2412 Bronze/2447 White	14%	0.32	0.61	1.64	100%
Clear/Satin Ice 853, Curb Mount *	65%	0.58	0.61	1.64	100%
Clear/Satin Ice 853, Deck Mount *	65%	0.58	0.66	2.00	100%

* Whole System NFRC Values. California Energy Commission Title 24 Compliant.

Standard Sizes (Custom Sizes Available)

Curb-Mount

CWC2 - Double Dome

CPC2 - Double Dome, Pyramid Outer

CWC3 - Triple Dome

Deck-Mount

CWD2 - Double Dome

CPD2 - Double Dome, Pyramid Outer

CWD3 - Triple Dome

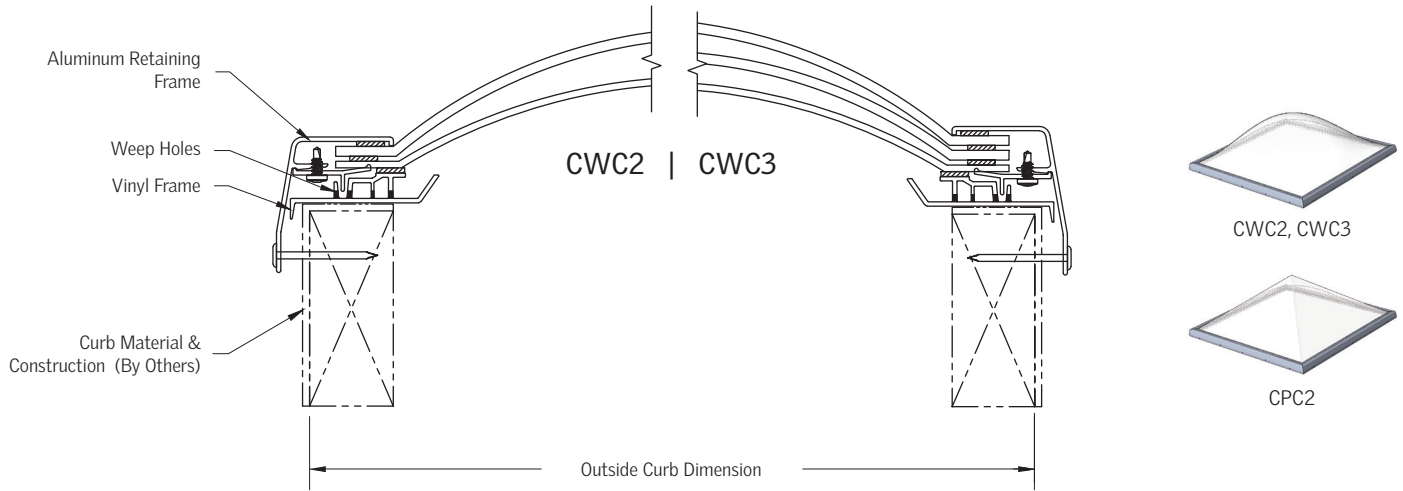
Size	Curb-Mount Outside Dimension of Curb	Deck-Mount Rough Opening
2828	25 ¼" x 25 ¼"	22 ¼" x 22 ¼"
2852	25 ¼" x 49 ¼"	22 ¼" x 46 ¼"
3636	33 ¼" x 33 ¼"	30 ¼" x 30 ¼"
3652	33 ¼" x 49 ¼"	30 ¼" x 46 ¼"
4242	40" x 40"	37" x 37"
5252	49 ¼" x 49 ¼"	46 ¼" x 46 ¼"
5276	49 ¼" x 72 ½"	46 ¼" x 69 ½"
5296	49 ¼" x 92 ½"	46 ¼" x 89 ½"
5555	51" x 51"	48" x 48"
55102	51" x 99"	48" x 96"
6060	58" x 58"	55" x 55"
6476	60 ½" x 72 ½"	57 ½" x 69 ½"
6496	60 ½" x 92 ½"	57 ½" x 89 ½"
6666	63" x 63"	60" x 60"
66102	63" x 99"	60" x 96"
7272	71" x 71"	68" x 68"
8080	78" x 78"	75" x 75"
9898	95 ½" x 95 ½"	92 ½" x 92 ½"



Skylights pose an inherent risk of injury or death from fall throughs, and the safety of others is of the utmost importance to VELUX. VELUX recommends that the customer, building owner or manager use additional protection with the skylight such as an exterior or interior safety cage, to enhance long-term safety. The building owner or manager is responsible for providing fall protection around the skylight in accordance with OSHA regulations. VELUX also recommends that the building owner or manager restrict roof access only to personnel who have been cautioned as to the location of the skylights, and warned not to sit, step or walk on the skylights.

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Double or Triple Dome Curb-Mount



Double or Triple Dome Deck-Mount

