

Commercial Sun Tunnel Skylights - Technical Information					
Dome Model & Size:	TCC 014	TGC 014	TMC 014	TCC 022	TGC 022
Air infiltration/exfiltration * [max. @ 75 Pa (1.57 lbs/ft ²) differential pressure]					
l/s/m ²	1.4 (A2)			1.5 (A2)	
cfm/ft ²	0.28			0.3	
Water resistance @ 3.4 L/m ² /min (5 USgal/ft ² /hr) * [max. tested differential pressure with no leakage]					
Pascals	720			720	
lbs/ft ²	15			15	
Thermal performance (complete unit ratings - from physical testing)					
VELUX [®] Sun Tunnel skylights are labeled with certified U-Factors with "Insulation at Ceiling" or "Insulation at Roof", SHGC, and VT _{annual} ratings, as listed in the NFRC Certified Products Directory					
Diffuser Type	U-Factor: Btu/[hr*ft ² *F°] (and W/[m ² * K°]) - Insulation at Roof unless noted				
TOC only	2.00 (11.36)			1.52 (8.63)	
TOC with Energy Kit	0.51 (2.90)			0.40 (2.27)	
TTC only	1.69 (9.60)			1.46 (8.29)	
TTC with Energy Kit	0.50 (2.84)			0.40 (2.27)	
THC only	n.r.			0.44 (2.50) - Ceiling	
THC with Energy Kit	0.37 (2.10) - Ceiling			0.30 (1.70) - Ceiling	
SHGC / VT _{annual} : US (and Canadian if different)					
TOC only	0.47 / 0.45			0.33 / 0.55	
TOC with Energy Kit	0.33 / 0.33			0.27 / 0.42	
TTC only	0.61 / 0.52			0.33 / 0.53	
TTC with Energy Kit	0.34 / 0.36			0.26 / 0.41	
THC only	n.r.			0.28 / 0.43	
THC with Energy Kit	0.26 (0.33) / 0.27 (0.30)			0.25 (0.37) / 0.28 (0.43)	
Structural Performance * - Performance Grades or DP in psf: NAFS-11 (NAFS-08) - [Note: 1 psf = 47.88 Pa]					
Dome Type:**	Uplift (negative)				
Acrylic or Polycarbonate	145 (110)			130 (100)	
Dome Type:**	Download (positive)				
Acrylic or Polycarbonate	300 (200)			300 (200)	
* Tested and certified in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-11 (NAFS 2011) VELUX [®] Sun Tunnel skylights are WDMA Hallmark certified as indicated above and below (See www.wdma.com, Hallmark Nos. 426-H-707 and 708)					
** VELUX [®] Sun Tunnel skylights with Polycarbonate domes are tested for Wind-Borne debris impact and pressure cycling in accordance with ASTM E 1886-05 and ASTM E 1996-05. -- Rated for Wind Zone 3, Missile Level C, Cycle Pressure +50/-50 --					