

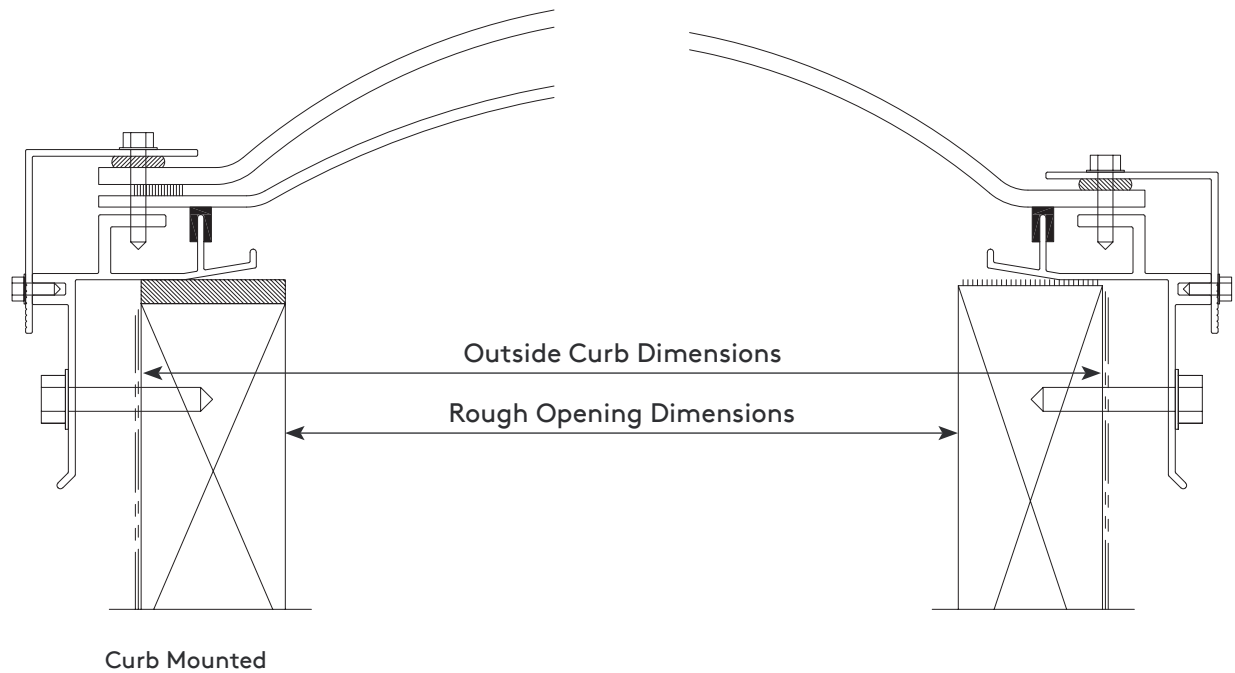
HWHS Polycarbonate Unit Skylight Product Data Sheet

Heavy Weather / High Security



Application

Skylights shall be fully factory assembled consisting of a polycarbonate dome with a CC-1 classification that is sealed by interior and exterior gaskets. The skylight frame is fabricated from 6063-T5 heliarc welded aluminum. The frame is to have an integral condensation channel to carry moisture to the exterior. The vertical aluminum retaining cap fasteners are to be stainless steel #10-14 x 1" lg. hex head self drilling screws with neoprene washers at 6" centers. The horizontal aluminum retaining cap fasteners are to be stainless steel #10 x 3/8" lg. hex head sheet metal screws at 6" centers. 1/4" galvanized lag screw curb fasteners, by others, attached at 9" centers. The skylight frame shall be installed on a 1-1/2" wide curb furnished by others. An optional aluminum self flashing curb has a 3" roof nailing flange and varies in height from 6".



Dimensions

Model Size	Rough Opening Dimensions	Outside Curb Dimensions	Model Size	Rough Opening Dimensions	Outside Curb Dimensions	Model Size	Rough Opening Dimensions	Outside Curb Dimensions
4848	48" x 48"	51" x 51"	4884	48" x 84"	51" x 87"	6072	60" x 72"	63" x 75"
5555	55" x 55"	48" x 58"	4896	48" x 96"	51" x 99"	6096	60" x 96"	63" x 99"

Technical Specifications

Anti-Terrorism	UFC 4-010-01 DoD Blast Resistant – High; ASTM F 1642-04 Hazard Rating – No Break GSA TS01 Performance Condition – #1 No Hazard
Factory Mutual (FM)	Tufflite passed 4431 2" severe hail test
Hurricane Conformance	Metro Dade County (NOA# 20-0811.06) Florida Building Code (FL26532)
Combustion Classification	CC1 Rated

Example Model Number

6072-HWHS-CM-2-CPC-WPC-MF

Features

1. Extruded 6063-T5 aluminum frame
2. Curb mounted (CM) or Self flashing (SF)
3. Monolithic polycarbonate glazing
4. 3" nailing flange (*self flashing models only*)
5. UL Listed santoprene thermoplastic gaskets
6. Black butyl retainer cap sealant
7. Polyurethane glazing sealants

Skylight Options

1. EPDM curb seal tape (T)
2. Single (1) or double (2)
3. Standard glazing options:
 - a. Clear Monolithic Polycarbonate (CPC)
 - b. White Monolithic Polycarbonate (WPC)
4. Mill finish frame (MF), as standard (*Custom, or specialized paint available upon request*)

Self Flashing Curb Options

1. Curb heights*:
 - a. 6"
 - b. 9"
 - c. 12"

**Custom heights available upon request*
2. Insulated curb (INS)
3. Wood nailer (WN)
4. Non-welded double wall (DW)
5. Welded double wall (WDW)
6. Aluminum termination bar (TB)

Accessories

1. Gladiator
 - a. External safety cages (SCAGE)
 - b. Safety screens (SSCRN)
 - c. Security grills (SG)
 - d. Structural curbs (SC)

Light Transmittance & Thermal Properties*

Glazing Makeup	VLT	SHGC	U-Factor
Single Glazed - CPC <i>Clear Polycarbonate</i>	92%	0.86	1.01
Single Glazed - WPC <i>White Polycarbonate</i>	72%	0.71	1.00
Double Glazed - CPC/CPC <i>Clear Polycarbonate/Clear Polycarbonate</i>	85%	0.74	0.72
Double Glazed - CPC/WPC <i>Clear Polycarbonate/White Polycarbonate</i>	66%	0.65	0.71

**Values are estimated and may vary slightly depending on unit size and specification*

Warranty

For a period of ten (10) years from the date of purchase, Kingspan Light + Air warrants that Tufflite Polycarbonate skylights will be free from defects in material and workmanship and that no water will leak through the commercial curb top or self flashed skylight. This warranty also includes coverage against documented 2" hail stones or smaller as well as cracking or crazing of polycarbonate dome material that would result in a water leak. Exceptions apply, see 10-year warranty document.

IMPORTANT SAFETY NOTE:

The owner must take steps to protect personnel who may be in the area of the skylight or smoke vent. The owner should restrict access only to authorized personnel who have been adequately cautioned as to the location of the skylights or smoke vents and informed of the warnings below. Because there is a risk of fall and resulting personal injury, we recommend protective guardrails, internal safety screens or external cages around all skylights and smoke vents, as well as the use of fall restraint systems. We also recommend that skylights and smoke vents are inspected annually for evidence of damage, such as cracks or penetrations. Any damage should be repaired immediately, and the area beneath the skylight or smoke vent should be safeguarded against falling objects.

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For the product offering in other markets please contact your local sales representative or visit www.kingspan.com/us

Notes

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