



# Series 1400 HWHS Skylights

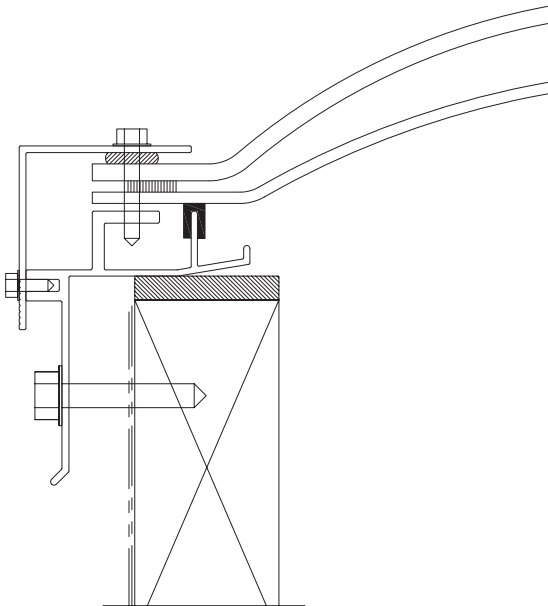
## Product Data Sheet

Heavy Weather + High Security (HWHS)  
Tornado + High Velocity Hurricane Zones (HVHZ)

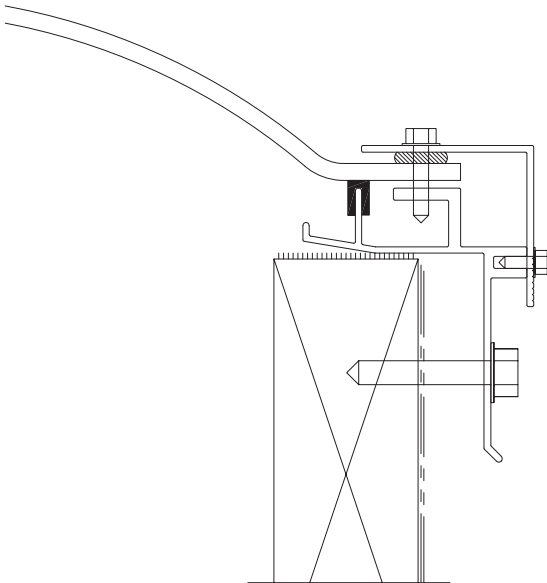


# Application

The skylight shall be fully factory assembled, consisting of a monolithic polycarbonate dome 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 screws with neoprene washers at 6" centers. The horizontal aluminum retaining cap fasteners are to be stainless steel screws at 6" centers. Requires 1/4" Galvanized lag screw curb fasteners, provided by others, attached at 9" centers. The skylight 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.



Curb Mounted



Curb Mounted

## 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 |
|------------|--------------------------|-------------------------|------------|--------------------------|-------------------------|------------|--------------------------|-------------------------|
| 4646       | 46-1/4" x 46-1/4"        | 49-1/4" x 49-1/4"       | 4884       | 48" x 84"                | 51" x 87"               | 6072       | 60" x 72"                | 63" x 75"               |
| 4848       | 48" x 48"                | 51" x 51"               | 4896       | 48" x 96"                | 51" x 99"               | 6096       | 60" x 96"                | 63" x 99"               |
| 5555       | 55" x 55"                | 58" x 58"               |            |                          |                         |            |                          |                         |

# Technical Specifications

|                                  |                                                                       |
|----------------------------------|-----------------------------------------------------------------------|
| <b>Hurricane Conformance</b>     | Metro Dade County (NO# 25-0728.06)<br>Florida Building Code (FL34558) |
| <b>Combustion Classification</b> | CC1 Rated                                                             |

## Features

1. Extruded 6063-T5 mill finish aluminum frame
2. Curb mounted (CM), Curb mounted with EPDM tape (CT) or Self flashing (SF)
3. Monolithic polycarbonate glazing
4. 3" nailing flange (self flashing models only)
5. Santoprene thermoplastic gaskets
6. Black butyl retainer cap sealant
7. Polyurethane glazing sealants

## Skylight Options

1. Single (1) or double (2) glazed
2. Standard glazing colors\*:
  - a. Clear Monolithic Polycarbonate (CPC)
  - b. White Monolithic Polycarbonate (WPC)

## Self Flashing Curb Options

1. Curb heights:
  - a. 6"
  - b. 9"
  - c. 12"
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. Roof Safety
  - a. External safety cages (SCAGE)
  - b. Safety screens (SSCRN)
  - c. Security grills (SG)

## Warranty

For a period of ten (10) years from the date of purchase, Kingspan Light + Air warrants that the Series 1400 HWHS 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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MKT-PDS-1401-2503

