



# Series 3100 FM Approved Polycarbonate Smoke Vent Product Data Sheet

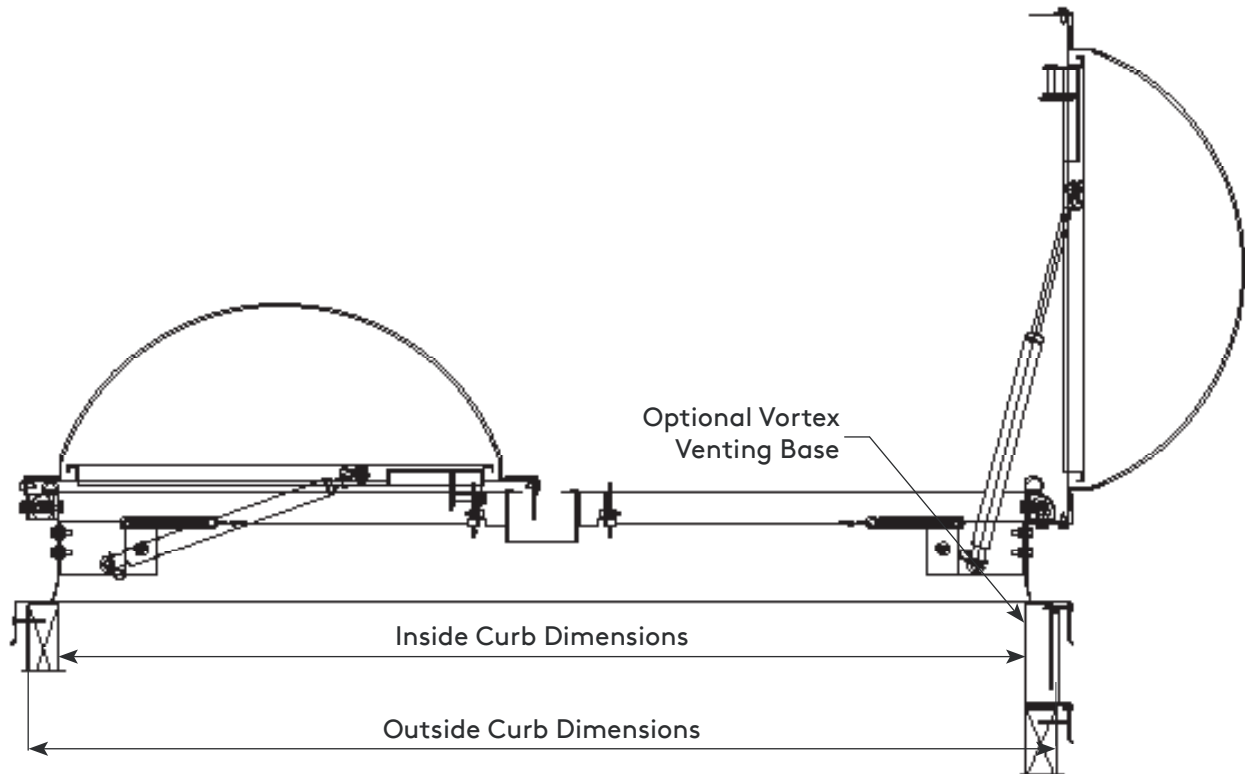


# Application

The polycarbonate smoke vent is made available in an aluminum or galvanized steel frame. Doors are compression loaded by a gas spring and secured on the opposite side with latches operated either manually, or by a fusible link. Door shall open against a 10psf uniform load and are designed to withstand a 40psf uniform static load in the closed position. Doors are spring-actuated and equipped with heavy-duty shock absorbers to control speed of operation. Interior and exterior manual releases on all units.

## Dimensions

Model Size	Inside Curb Dimensions	Outside Curb Dimensions	Model Size	Inside Curb Dimensions	Outside Curb Dimensions
4848	48" x 48"	51" x 51"	4872	48" x 72"	51" x 75"
			4896	48" x 96"	51" x 99"
			6072	60" x 72"	63" x 75"



# Technical Specifications

Combustion Classification	CC1
Factory Mutual (FM)	FM Class 4430 Wind Uplift: 120 psf Snow Load: 10 lbs Hail Resistance: Severe Rating

## Example Model Number

4896-S-ULSV(F)-CM-1-WPC-370-MF

## Frame options

1. Curb mounted (CM) or self flashing (SF) with 2-3/4" nailing flange
2. Aluminum (A) or Galvanized Steel (S)

## Door options

1. Glazing
  - a. Skywave or KAT Dome shape
  - b. Single (1) or double (2) glazed
  - c. Clear or white monolithic polycarbonate outer dome
  - d. White prismatic acrylic inner dome

## Smoke Vent options

1. EPDM curb seal tape (T)
2. Fusible link temperature options:
  - a. 370°
  - b. 520°

## Self Flashing Curb options

1. Curb heights\*:
  - a. 9"
  - b. 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)

## Optional Vortex Venting Base features (4848 and 4896)

1. 20 guage galvanized steel frame
2. Galvanized steel G90 finish (MF), as standard
3. Built in rain shield

## Vortex Venting Base options

1. Insect screen
2. Dust filters

## Accessories

1. Safety screens (SSCRN)
2. Security grills (SG)

## Warranty

For a period of ten (10) years from date of purchase, Kingspan Light + Air warrants that polycarbonate smoke vents and smoke vents with a vortex venting base will be free of defects in material and workmanship and no uncontrolled water leakage through the commercial fixed curb mount or self flashed smoke vent. Exceptions do apply. Please see full 10-Year Warranty document for more details.

## 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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