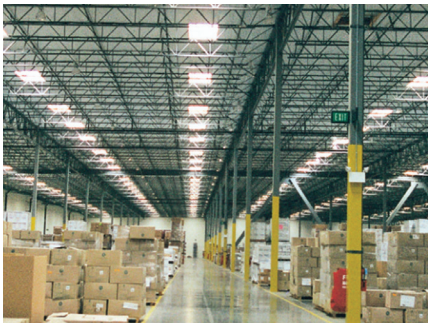
Light + Air
North America

Series 3400
Product Data Sheet

UL Listed Polycarbonate + Metal Lid Smoke Vents







Series 3400 smoke vents are designed to protect occupants in the event of a fire by allowing smoke to quickly evacuate the building. Systems are available in a variety of standard sizes, offer an insulation option for enhanced thermal performance, and feature doors constructed of either galvanized steel or uniquely shaped polycarbonate domes designed to extend the system's effectiveness throughout the day by capturing sunlight at low angles. Polycarbonate glazed smoke vents allow for the delivery of natural light into large, open spaces like warehouses, distribution centers, and retail sites, making interiors feel more welcoming and comfortable while displacing the need for electric lighting during peak daytime energy use hours.

The doors on Series 3400 smoke vents are compression loaded by a gas spring and secured on the opposite side with latches operated either manually or by a fusible link. They are engineered to open against a 10psf or 30psf uniform load (depending on model selection), with door opening speed controlled by gas springs. An exterior manual release also comes standard.

Series 3400 smoke vents are backed by a 10 year warranty, making them a versatile and durable daylighting solution for your next project.

- Available polycarbonate dome design with multiple ridges provides durability and enhanced daylight collection by allowing light to penetrate at lower angles.
- Prismatic glazing materials allow for even, diffused daylighting, eliminating hot spots and can reducing the need for electric lighting.
- Available galvanized steel door with 1" polyiso insulation for improved thermal performance.
- Systems are pre-assembled and ready to install.
- Aluminum frame provides strength, light weight and corrosion resistance.
- 10 year warranty against leaking and yellowing of glazing.

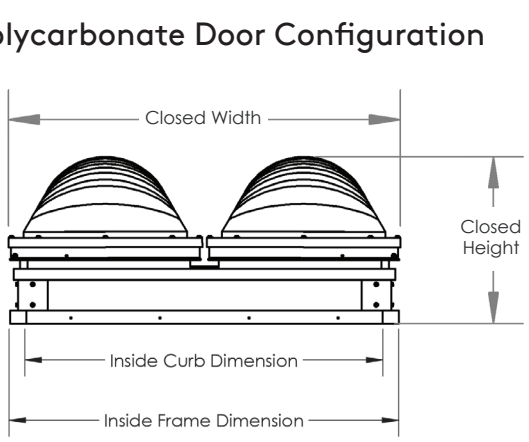
Product Specifications	
Door Options	Polycarbonate Glazed: Monolithic Outer Dome / Prismatic Inner Dome (see p.3 for glazing options and configurations) Metal: Galvanized Steel
System Width + Length	48" to 60" wide - lengths from 48" up to 96" (see chart on p.2 for details)
Maximum Roof Slope	5:12
Standard Glazing Colors	Clear, White
Aluminum Finish	Mill Finish
Material Content	Aluminum: 10% Recycled Content Polycarbonate: All Virgin Material
Warranty	10 year Material and Workmanship

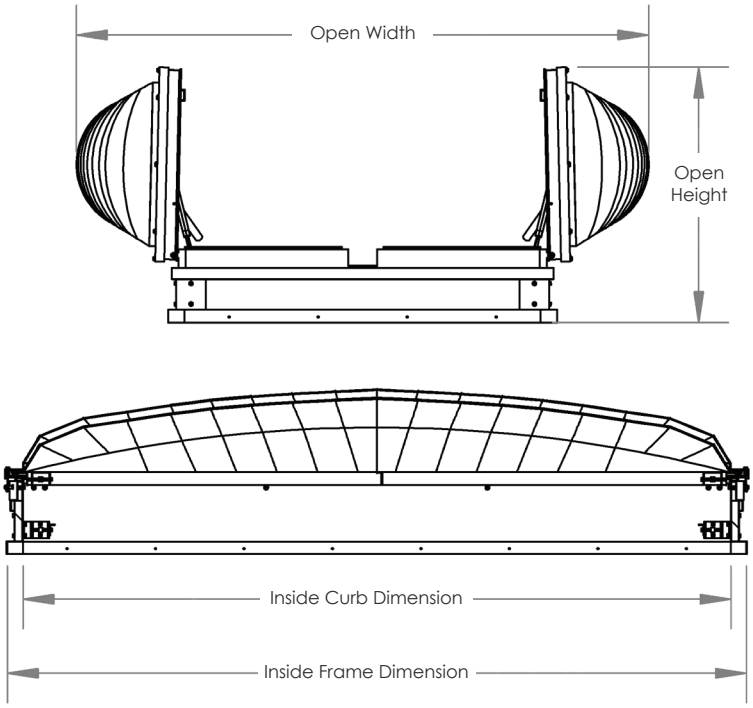
Application

Model Size	Inside Curb Dimensions	Inside Frame Dimensions	Open Width	Open Height	Closed Width	Closed Height
4848	48″ x 48″	52-1/4″ x 52-1/4″	Poly: 74-3/4″ Metal: 57-3/4″	34-1/4″	52-3/4″	Poly: 22-1/2″ Metal: 12-1/4″
4872	48″ x 72″	52-1/4″ x 76-1/4″				
4896	48″ x 96″	52-1/4″ x 100-1/4″				
6060	60″ x 60″	64-1/4″ x 64-1/4″	Poly: 86-3/4″ Metal: 69-3/4″	40-1/4″	64-3/4″	
6072	60″ x 72″	64-1/4″ x 76-1/4″				
6096*	60″ x 96″	64-1/4″ x 100-1/4″				

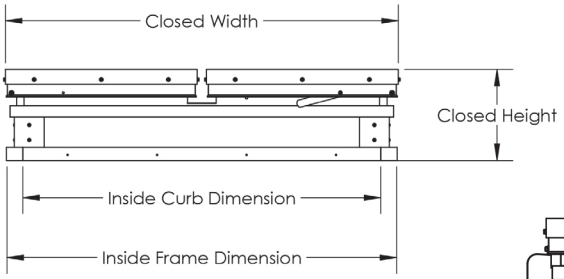
** Available in 10lb live load version only*

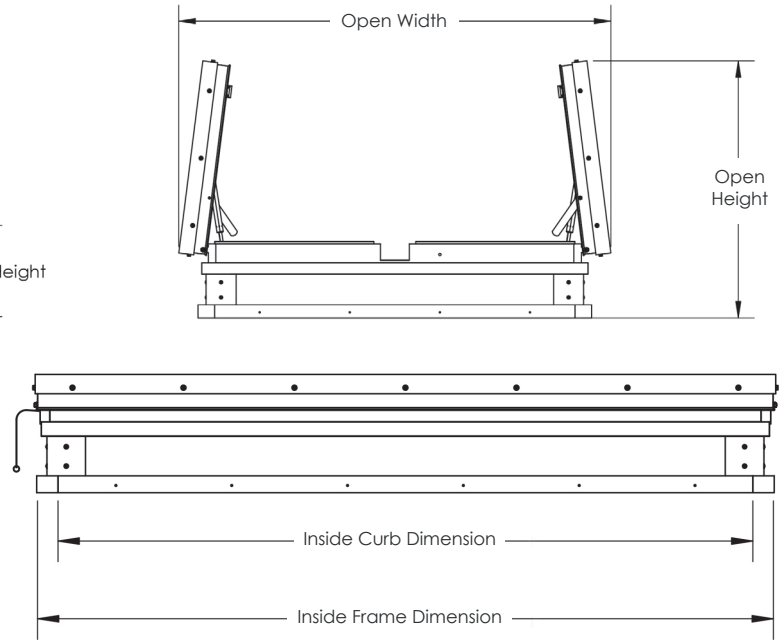
Polycarbonate Door Configuration





Metal Door Configuration





Technical Specifications

Listed and Labeled per IBC Section 910.3	UL 793	Wind Uplift Class: 90 Snow Load: 10 lbs or 30 lbs
Reaction to fire per IBC Section 2606.4	ASTM D1929 ASTM E84 ASTM D2843 ASTM D635	Self-ignition Temperature: ≥ 650°F Smoke-developed Index: ≤ 450 Smoke Density Rating: ≤ 75 Combustion Classification: CC1
Burglary Resistance	UL 972	Meets standard for Burglary-resistant Glazing Material *Glazing material only is listed as UL972 compliant
Fall Protection	ASTM E 661 in reference to OSHA: 1926.502(i)(2), and/or CalOSHA: Sections 1632(b)(3), 3212(b)	1,200 lbs-ft
Impact Resistance of Prepared Roof Covering Materials	UL 2218	Class 4 Hail Resistant

Example Model Number

4896-KSVi30-Si-2-CPC/CPP-K-MF-12-WN

Size Reference		Model		Base		# of Domes		Door Options		Door Style		Frame Finish		Base Height		Base Options
4896	-	KSVi30	-	Si	-	2	-	CPC/CPP	-	K	-	MF	-	12	-	WN

Model

1. KSV10 - 10lbs snow load
2. KSV30 -30lbs snow load
3. KSVi10 - Insulated 10lbs snow load
4. KSVi30 - Insulated 30lbs snow load

Base

1. CM - Curb mount
2. CT - Curb mount w/tape
3. SF - Self flashing
4. Si - Insulated Self-flashing base
5. LV - Vortex base
6. LS - Vortex self-flashing base

Door Options

1. Glazing/Door Configurations
   a. CPC - Clear Monolithic Polycarbonate
   b. WPC - White Monolithic Polycarbonate
   c. CPC/WPP - Clear Monolithic Polycarbonate over White Prismatic Polycarbonate
   d. WPC/WPP - White Monolithic Polycarbonate over White Prismatic Polycarbonate
   e. MTL - Galvanized Steel Lid
2. Door Style
   a. S - Skywave
   b. K - KAT Dome
   c. F - Flat

Smoke Vent Options

1. Fusible link temperature options:
   a. 165°
   b. 212°
   c. 286°
   d. 360°
   e. 500°

Frame Finish

1. MF – Mill Finish

Base Height / Options

1. Curb heights:
   a. 9″
   b. 12″
   c. 18″
2. WN - Wood nailer
3. DW - Non-welded double wall
4. WDW - Welded double wall
5. TB - Aluminum termination bar

Optional Vortex Venting Base Features

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. SSCRN - Safety screens
2. SG - Security grills

Accessories*

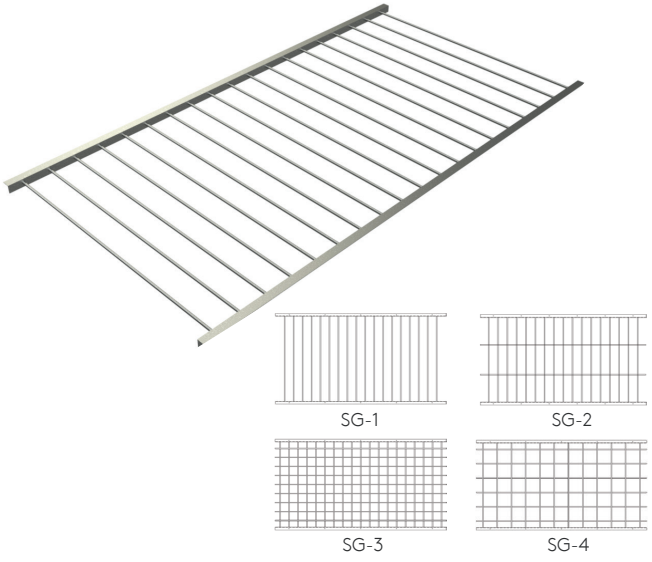
Series 5100 Security Grills

Size Limitations: 92" model size width, no limit on length

Configurations

1. SG-1: 5" Parallel line spacing*
2. SG-2: 5" x 16" Grid spacing*
3. SG-3: 5" x 5" Grid spacing*
4. SG-4: 8" x 8" Grid spacing

* As required by security codes in many jurisdictions.

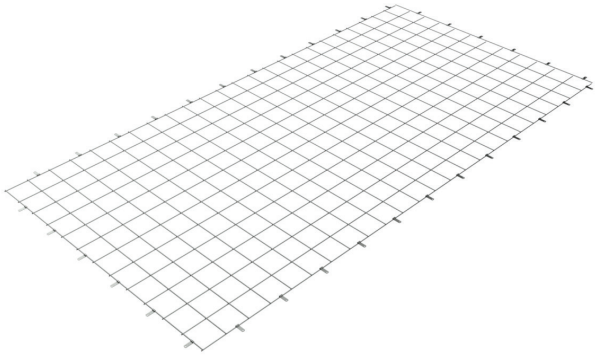


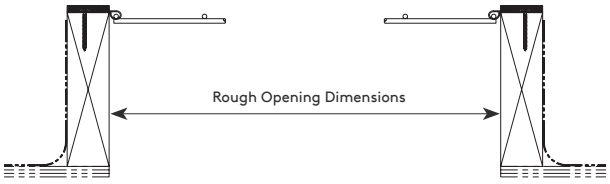
Series 5200 Internal Safety Screens

Size Limitations: 72" model size width, 120" model size length

Features

1. 0.162"ø galvanized steel wire mesh
2. 4" Grid pattern
3. Corrosion resistant connecting clips
4. EPDM curb seal tape





Warranty

For a period of ten (10) years from date of purchase, Kingspan Light + Air warrants that polycarbonate and metal door smoke vents 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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