



Series 1400 Skylights

Product Data Sheet

Acrylic Unit Skylights

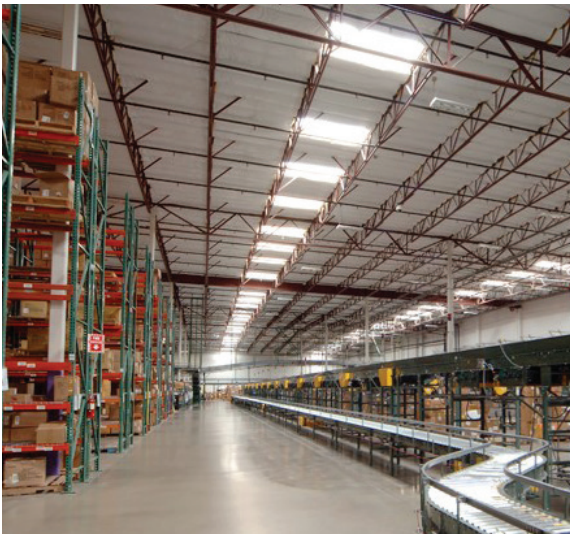
Unit skylights are an excellent tool for delivering natural light into large, open spaces like warehouses, distribution centers, and retail sites. These facilities can benefit from access to daylight as it can make interiors feel more welcoming and comfortable while displacing the need for electric lighting during peak daytime energy use hours.

Series 1400 skylights feature a monolithic acrylic dome design that captures vast amounts of natural light, and they're available in a variety of standard sizes to fit just about any application.

Designed for excellent performance in a wide range of climates, Series 1400 skylights are available in thermally broken and non-thermally broken configurations, and are backed by a 10 year warranty, making them a versatile and durable daylighting solution for your next project.

- Monolithic acrylic dome design provides excellent durability.
- Glazing allows for even, diffused daylighting, reducing hot spots as well as the need for electric lighting.
- Multiple dome configurations for enhanced light control and performance
- Systems are pre-assembled and ready to install.
- Frame is ideal for all roof types and is available in thermally broken and non-thermally broken configurations.
- Santoprene thermoplastic gaskets and high performance sealants.
- Numerous finish options available.
- 10 year warranty against leaking and yellowing of glazing.

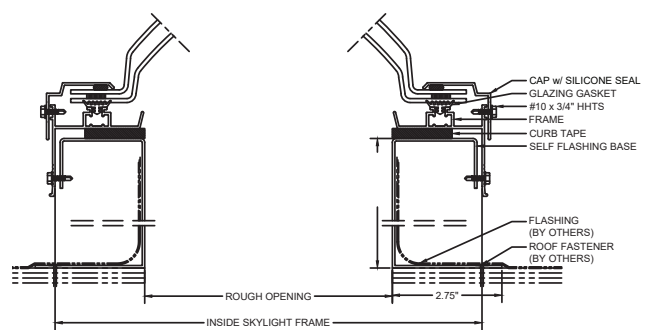
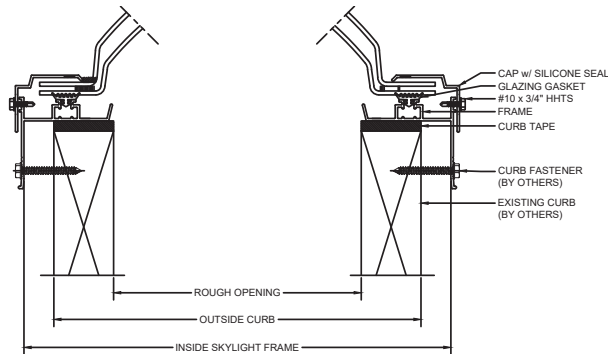
Product Specifications	
Glazing	Monolithic Acrylic Dome (see p.3 for glazing options and configurations)
System Width + Length	Square Model Sizes from 1414 to 9292 - Rectangular Model Sizes from 1422 to 6096 (see chart on p.2 for details)
Maximum Slope	6:12
Standard Glazing Colors	Clear, White, Bronze
Aluminum Finishes	Mill Finish, AAMA 611 Class 1 Clear and Bronze Anodized AAMA 2603, 2604 polyvinylidene fluoride
Material Content	Aluminum: 10% Recycled Content Acrylic: All Virgin Material
Warranty	10 year Material and Workmanship



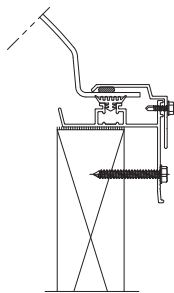
Dimensions

Model Size	Rough Opening Dimensions	Outside Curb Dimensions	Inside Frame Dimension	Model Size	Rough Opening Dimensions	Outside Curb Dimensions	Inside Frame Dimension
1414	14 1/4" x 14 1/4"	17 1/4" x 17 1/4"	18 3/4" x 18 3/4"	1422	14 1/4" x 22 1/4"	17 1/4" x 25 1/4"	18 3/4" x 26 3/4"
1919	19" x 19"	22" x 22"	23 1/2" x 23 1/2"	1446	14 1/4" x 46 1/4"	17 1/4" x 49 1/4"	18 3/4" x 50 3/4"
2222	22 1/4" x 22 1/4"	25 1/4" x 25 1/4"	26 3/4" x 26 3/4"	2230	22 1/4" x 30 1/4"	25 1/4" x 34 1/4"	26 3/4" x 34 3/4"
3030	30 1/4" x 30 1/4"	33 1/4" x 33 1/4"	34 3/4" x 34 3/4"	2237	22 1/4" x 37"	25 1/4" x 40"	26 3/4" x 41 1/2"
3737	37" x 37"	40" x 40"	41 1/2" x 41 1/2"	2246	22 1/4" x 46 1/4"	25 1/4" x 49 1/4"	26 3/4" x 50 3/4"
4242	42" x 42"	45" x 45"	46 1/2" x 46 1/2"	2272	22 1/4" x 72"	25 1/4" x 75"	26 3/4" x 79 1/2"
4646	46 1/4" x 46 1/4"	49 1/4" x 49 1/4"	50 3/4" x 50 3/4"	2296	22 1/4" x 96"	25 1/4" x 99"	26 3/4" x 100 1/2"
4848	48" x 48"	51" x 51"	52 1/2" x 52 1/2"	3046	30 1/4" x 46 1/4"	33 1/4" x 49 1/4"	34 3/4" x 50 3/4"
5555	55" x 55"	58" x 58"	59 1/2" x 59 1/2"	3069	30 1/4" x 69 1/2"	33 1/4" x 72 1/2"	34 3/4" x 74"
6060	60" x 60"	63" x 63"	64 1/2" x 64 1/2"	3746	37" x 46 1/4"	40" x 49 1/4"	41 1/2" x 50 3/4"
7070 ¹	70 1/4" x 70 1/4"	73 1/4" x 73 1/4"	74 3/4" x 74 3/4"	3775	37" x 75"	40" x 78"	41 1/2" x 79 1/2"
7575 ¹	75" x 75"	78" x 78"	79 1/2" x 79 1/2"	3859	38" x 59"	41" x 62"	42 1/2" x 63 1/2"
9292 ¹	92 1/2" x 92 1/2"	95 1/2" x 95 1/2"	97" x 97"	4669	46 1/4" x 69 1/2"	49 1/4" x 72 1/2"	50 3/4" x 74"
				4689	46 1/4" x 89 1/2"	49 1/4" x 92 1/2"	50 3/4" x 94"
				4884	48" x 84"	51" x 87"	52 1/2" x 88 1/2"
				4896	48" x 96"	51" x 99"	52 1/2" x 100 1/2"
				6096 ¹	60" x 96"	63" x 99"	64 1/2" x 100 1/2"

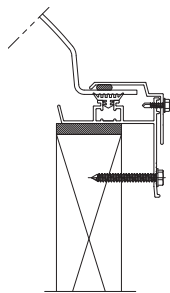
¹ Not available with Clear Multiwall Polycarbonate (C16)



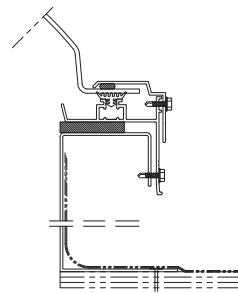
Base Options



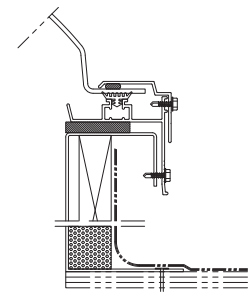
CM: Curb mounted skylight requires use of sealant or customer supplied foam tape to seal to curb



CT: Curb mounted skylight with EPDM foam tape to seal against curb

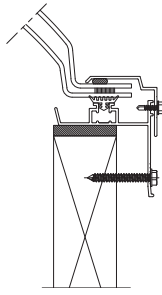


SF: Self-Flashing Base constructed of 0.063" to 0.125" aluminum (non-structural curbs).

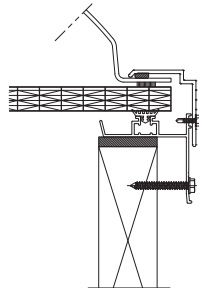
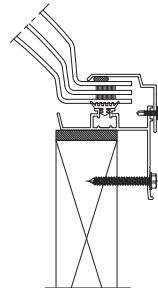


Si: Self-Flashing base with 1" insulation - available with or without Wood Nailer (WN)

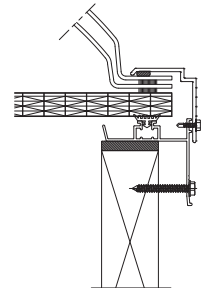
Dome Configurations



Double Dome

Double Glazed with 16mm
Polycarbonate Multi-wall

Triple Dome

Triple Glazed with 16mm
Polycarbonate Multi-wall

Technical Specifications

IBC 2024: Section 2606

ASTM D1929
ASTM D635

Combustion Classification: CC2

Example Model Number

4896-KS14-SF-1-WTM/CC-MF-12-WN/TB

Size Reference		Model		Base		# of Domes		Glazing		Frame Finish		Base Height		Base Options
4896	-	KS14	-	SF	-	1	-	WTM/CC	-	MF	-	12	-	WN/TB

Models

1. KS14 – Non-Thermally Broken Series 1400 Skylight
2. KT14 – Thermally Broken Series 1400 Skylight

Base Options

1. CM – Curb Mount
2. CT – Curb Mount w/Tape
3. SF – Self Flashing
4. Si – Self Flashing w/Insulation
5. LV – Louvered Base
6. LS – Louvered Self Flashing Base

Glazing

1. BT- Bronze Monolithic Acrylic
2. CC - Clear Monolithic Acrylic
3. WTM - White Monolithic Acrylic

Frame Finish

1. MF – Mill Finish
2. CA – Clear Anodized
3. BA – Bronze Anodized
4. WP - White Paint
5. KY – Custom Kynar Finish

SF Base Height

1. 4 - 4"
2. 9 - 9"
3. 12 - 12"
4. Custom up to 24"

Base Options

1. WN – Wood Nailer
2. DW – Double Wall
3. WDW – Welded Double Wall
4. TB – Termination Bar
5. IS – Insect Screen [Vortex Base]

Warranty

For a period of ten (10) years from the date of purchase, Kingspan Light + Air warrants that the Series 1400 skylight will be free of defects in material and workmanship and there will be no uncontrolled water leakage through the commercial fixed curb mount or self flashed skylight. Exceptions do apply. Please see full 10-Year warranty document for more details.

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

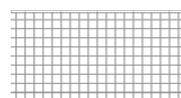
* As required by security codes in many jurisdictions.



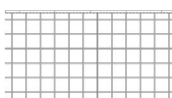
SG-1



SG-2



SG-3



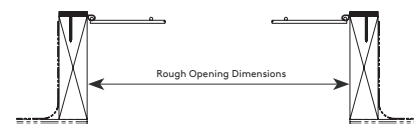
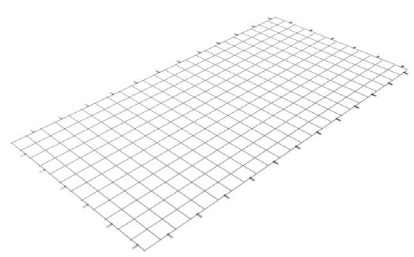
SG-4

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

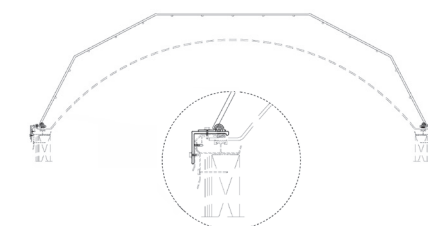
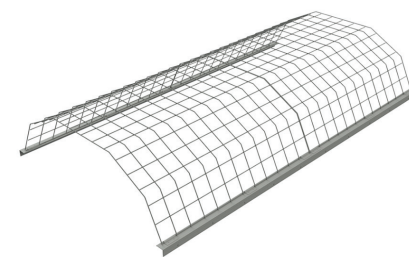


Series 5300 Safety Cage

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

Features

1. .225"Ø nominal galvanized steel wire mesh
2. 4" Grid pattern
3. Corrosion resistant connecting clips and angle brackets



* Contact Kingspan Light + Air for additional information on Series 5100, 5200 and 5300 options and availability. You can also find more information at <https://www.kingspan.com/us/en/products/roof-safety-products/>.

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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