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Product Overview

The **LIFT 100 Series Fold-Up Window** is designed for both style and performance. Featuring a foldable aluminum alloy frame with a composite film layer, it offers increased durability, corrosion resistance, and weather protection. The window can be adjusted to any height for customized ventilation and access, making it versatile for different applications. Customizable glass options such as frosted glass and smart glass provide additional flexibility for privacy and design.

Size Limitations

The **LIFT 100 Series Fold-Up Window** is available in widths ranging from 30" to 100" and heights from 30" to 78". It is crucial to adhere to these size limitations to maintain structural integrity and ensure smooth operation. Any installation outside of these specified dimensions may impact functionality, performance, and the longevity of the window.

Energy Efficiency

The **LIFT 100 Series Fold-Up Window** boasts a U-factor of 0.30 for standard Low-E2 dual-pane glass, ensuring excellent energy efficiency. The glass can be customized with various coatings, tints, and thicknesses to enhance privacy and performance.

NOT THERMAL BROKEN

Performance Chart

Frame Material	Aluminum 6063-TS	Solar Heat Gain Coefficient	0.23
Frame Thickness	1.72 mm	Visible Transmittance	0.51
U-Factor	0.30	Air Leakage	0.30
Argon Fill	90%	Sound Performance	0.30

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Glass Options

STANDARD

Low-E2: A dual-pane configuration utilizing two layers of microscopic metallic coating to offer balanced, year-round energy efficiency. It reflects a moderate amount of solar heat during summer while trapping indoor warmth during winter. It serves as a cost-effective, baseline choice for moderate climates.

ADVANCED

Low-E4: An advanced dual-pane setup featuring four layers of high-performance metallic coatings to maximize energy savings. It blocks the vast majority of destructive UV rays and solar heat while letting in clear, natural light. This option is ideal for climates with intense sun exposure and extreme temperatures.

PREMIUM

Triple-Pane Insulated Glass: A heavy-duty unit built with three separate glass panes that create two independent insulating gas chambers. This configuration maximizes thermal resistance, dramatically lowers your energy bills, and eliminates winter draft zones. It provides the ultimate level of cold-climate insulation.

ELITE TIER

Laminated Insulated Glass (LIC): A premium dual-pane setup where one pane consists of two glass sheets permanently bonded to a tough plastic interlayer. This design dampens incoming street noise, stops forced entry by holding together when smashed, and blocks nearly all UV fading. It delivers a comprehensive solution for home security, quietness, and weather protection.



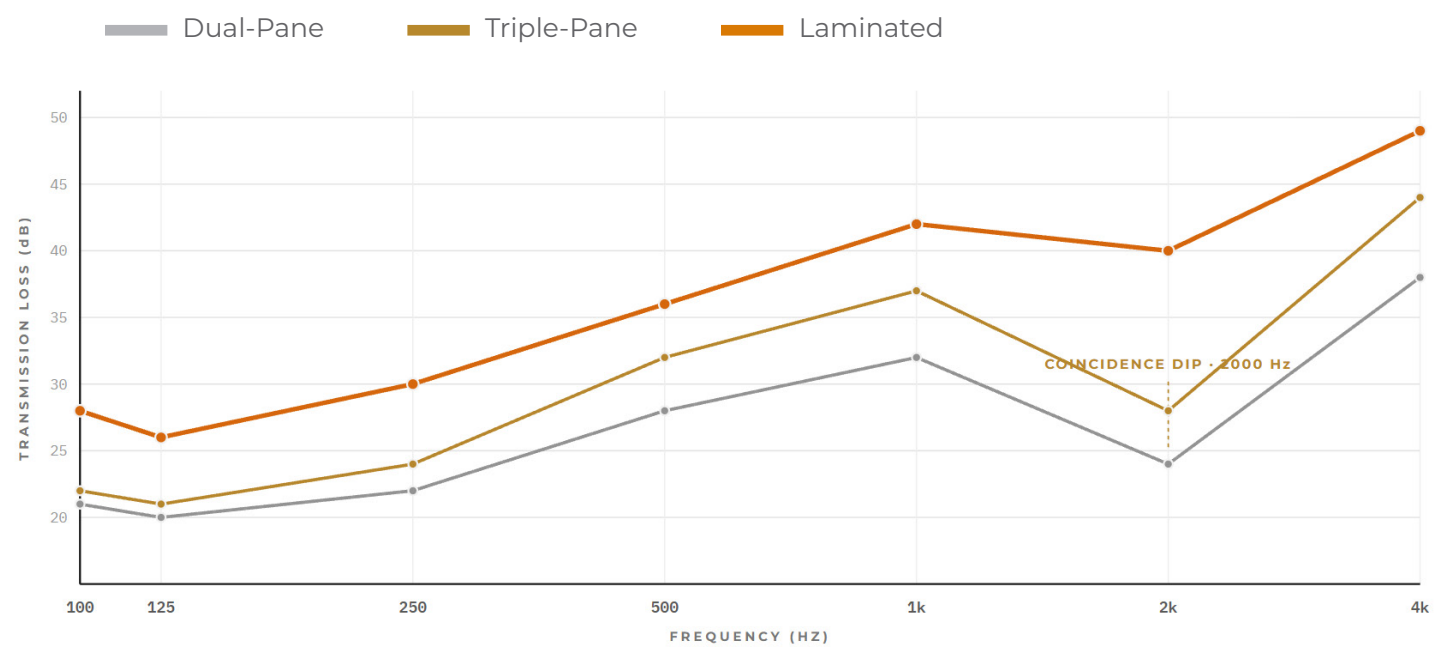
GLASS TYPE	U-FACTOR Reduces Heat Loss	SOLAR HEAT GAIN COEFFICIENT LIMITS SOLAR HEAT	VISIBLE LIGHT TRANSMITTANCE CONTROLS LIGHT PASSAGE	UV PROTECTION BLOCKS UV RAYS
Dual-pane Low-E2	★ ★ ★	★ ★ ★	★ ★ ★ ★ ★ ★	★ ★ ★
Dual-pane Low-E2	★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★
Triple-pane Glass	★ ★ ★ ★ ★ ★	★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★
Laminated Glass	★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★ ★

03

Sound Performance

Our architectural glass lineup is engineered to satisfy distinct performance thresholds. While thermal coatings optimize energy efficiency, acoustic comfort relies on structural mass, air-space decoupling, and material vibration dampening. This document details the acoustic attenuation properties across our four core performance tiers

FREQ (HZ)	PITCH PROFILE / ACOUSTIC SOURCE	DUAL-PANE Sound Transmission Loss (dB)	TRIPLE-PANE Sound Transmission Loss (dB)	LAMINATED Sound Transmission Loss (dB)
100	Deep Bass, Heavy Trucks Idling	21	22	28
125	Low Rumble, Railway & Aircraft	20	21	26
250	Mid Range, Male Speech Baseline	22	24	30
500	Mid-High, Office Activity & Female Speech	28	32	36
1000	High Frequency, Traffic Horns & Sirens	32	37	42
2000	Critical Glass Coincidence Resonance Dip	24	28	40
4000	Ultra-High Pitch, Screeching Brakes	38	44	49



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Features & Finishes

The **LIFT 100 Series** is engineered for homeowners and commercial spaces that refuse to compromise on quality, durability, and long-term performance. Its heavy-duty folding hardware is rigorously designed to withstand daily use and hold the sash securely at any position.



Effortless Fold-Up Operation · Holds at Any Height

Heavy-duty, durable hardware securely raises the sash and holds it firmly at any desired height you choose.

1

Durable ergonomic handle combined with 1.72 mm thick aluminum profiles designed specifically for reliable daily use

2

Retractable Screen & Weather-Ready Frame

1

Roll-up screen cassette designed to span the entire full opening, featuring a convenient pull up and pull down option for easy use.

2

Exceptionally highly corrosion-resistant composite film layer featuring a robust and durable powder coat finish for extended protection

3

High-quality weather strips ensure a quiet, secure, and completely weathertight closure for your fold-up window.



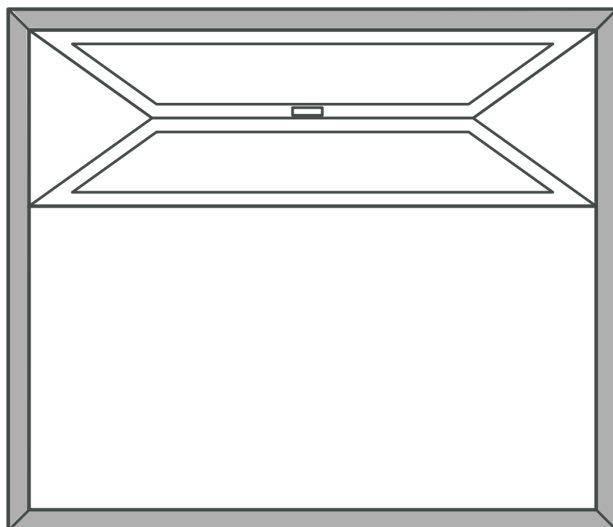
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Configurations

Available Configurations

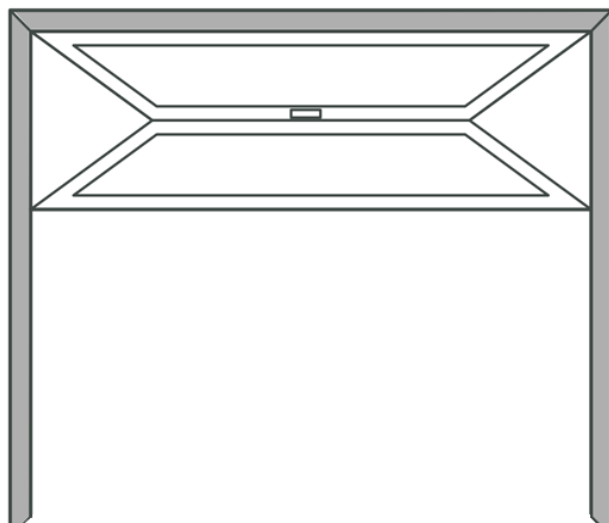
WITH BOTTOM FRAME

Classic window installation with a full perimeter frame. The bottom sill provides a finished interior ledge and maximum weather sealing. Best for: Traditional window replacements.



WITHOUT BOTTOM FRAME

The bottom frame member is omitted, creating a flush, floor-of-opening pass-through. Run your countertop straight through the wall for a true indoor-outdoor bar. Best for: Pass-through counters.



Frequently Asked Configuration Questions

Do the folding panels hold at any position?

Yes — the heavy-duty hardware is designed to stop and hold the panels at any height, from fully closed to fully open.

Is the 100 Series top-hinged?

Yes — the sash hinges at the head of the frame and folds upward and outward from the bottom, providing ventilation and rain protection even when partially open.

What screen options are available?

A retractable screen is available, spanning the full opening and rolling away when not in use. A pull up & down screen option is also offered for vertical-slide applications.

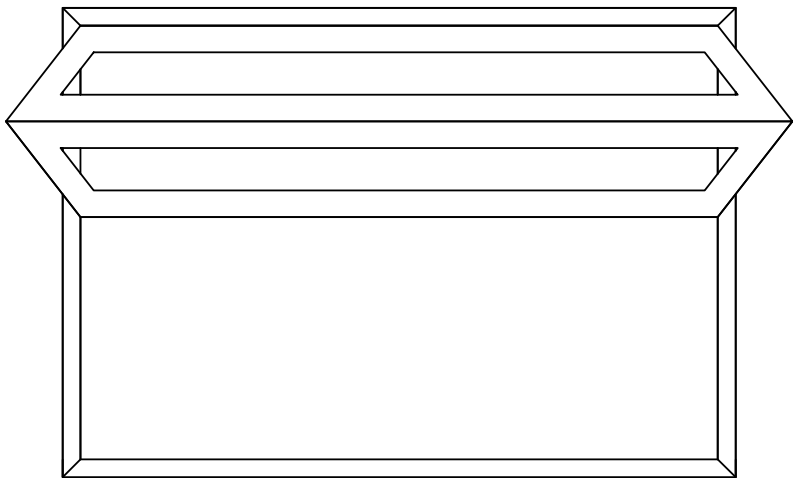
Is this a thermal-break system?

No — the 100 Series Fold-up is a non-thermal-break aluminum system.

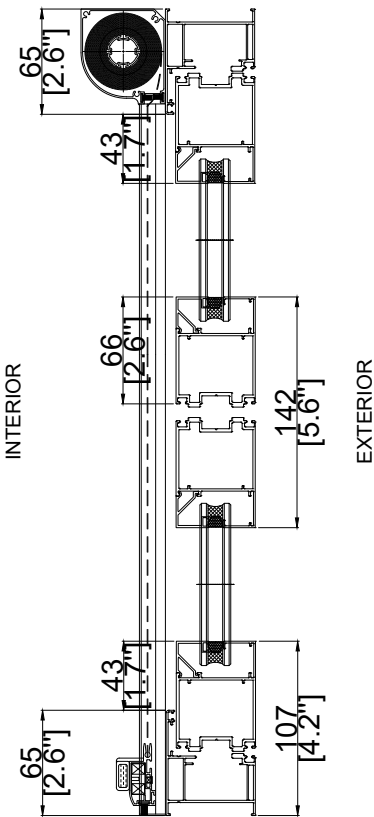
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Drawings

Front View



Side View



Top Down View

