

SKYLINE WINDOW | series 78 Modern

MINIMALIST TIMBER-ALUMINIUM WINDOW AND FRENCH DOOR with double glazing

Skyline Window is Carminati’s minimalist timber–aluminium casement window, designed for those seeking the slimmest profile available on the market in a casement system—without compromising performance. With a **visible profile of just 50 mm** and a fixed frame measuring 60 × 87 mm, it maximizes glazed surface area and ensures a seamless visual continuity between interior and exterior, enhancing natural light as a key architectural element. In this system, glass takes center stage, maximizing solar gain and indoor brightness through an essential design approach. The ultra-slim timber profiles are crafted in-house with meticulous artisanal precision. The external metal cladding protects the timber frame from atmospheric agents (rain, UV exposure, and thermal variations), increasing long-term durability and reducing maintenance requirements, while preserving thermal insulation performance and the warm, natural aesthetic of wood on the interior side.

Carminati patented technology

The Skyline system is the result of a patent developed in 2012. The structural glass is bonded directly to the sash, becoming an integral part of the window’s stability and contributing to the overall rigidity of the structure. Sealing elements between sash and frame minimize air, dust, and weather infiltration, ensuring certified thermal and acoustic insulation performance. With the Skyline Minimal Frames system, it is possible to create large-sized sashes while maintaining the visual lightness of a minimalist profile. Each window is made to measure: our technical department is available to develop the most suitable solution for your project requirements, going beyond standard size limitations.

Technical specifications – Skyline Window series 78 Modern

Visible sash thickness	50x53 mm	Ug value	1.0 W/m²K
Fixed frame profile	60x87 mm	Hardware burglar resistance classification	RC2 (RC3 on request)
Minimum standard glazing	33.1/20/33.1 Argon + Low-E	Maximum sash dimensions and weight	visible hinges: 1200x2600 mm (130 kg) 1300x2800 mm (180 kg) 1200x3000 mm (200 kg)
Water tightness	Class 7A (EN 12208)		concealed hinges: 1200x2600 mm (150 kg) 1000x3000 mm (180 kg)
Air permeability	Class 3 (EN 12207)	Sample size	1230x1480 mm
Wind resistance	Class A3 (EN 12210)		
Frame thermal transmittance (Uf)	1,24 W/m²K (fir) 1,40 W/m²K (oak)		
Overall window thermal transmittance (Uw)	1,22 W/m²K (fir) 1,26 W/m²K (oak)		

Finishes and customization

Each window is manufactured in-house with artisanal precision and made to measure. Skyline Window is available in laminated timber (spruce, oak, larch, and Sapelli mahogany among the most commonly used species), or in a timber–metal version with external cladding in aluminium, steel, or bronze. A wide range of colours is available, from oxidised finishes to RAL colours, as well as glossy or matt surfaces, and smooth or textured treatments. From a design perspective, the cladding also allows greater aesthetic freedom on the exterior side, thanks to highly customisable and durable finishes, colours, and surface treatments. This solution creates a perfect balance between performance and design: indoors, it preserves the warmth, material value, and elegance of wood, while outdoors it benefits from the technology and resistance of aluminium, ensuring a highly efficient, reliable, and long-lasting window system.

Designed for

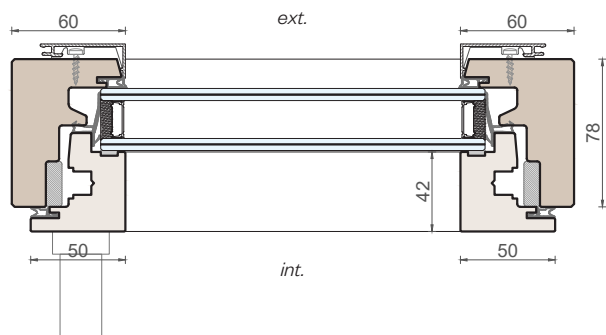
Skyline Window is the choice of architects, interior designers, and general contractors working on luxury private residences, hotels, and international contract projects, where the casement window must integrate into the architectural design as a distinctive element - not as an accessory.

Please note: the sections and performance data provided are for reference purposes only and are intended as examples. They do not constitute a binding or definitive representation of the product. The technical department reserves the right to make changes at any time.

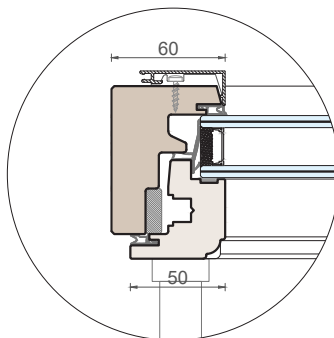
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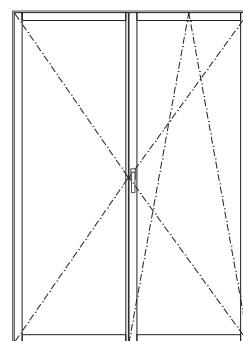
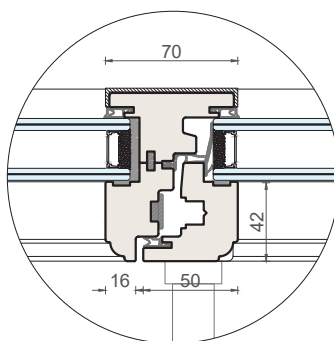
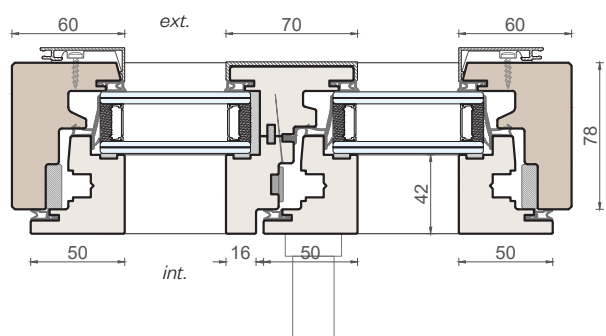
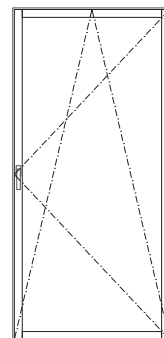
Horizontal section



Skyline Classic version



Elevation view



Vertical section

