



Integral

WINDOW SYSTEMS

*Becoming part
of your plans.*



ABOUT INTEGRAL WINDOWS

At Integral Window Systems, product quality and customer satisfaction are our top priorities. It is our commitment to deliver the very best products and customer service in the industry. It starts with the finest vinyl in the production of our windows, which increases both stability and consistency. We offer an assortment of glass packages that allow customers to optimize window performance providing energy savings. Part of what enables Integral Window Systems to deliver consistent, top-of-the-line products is our computer automation production process. From start to finish, the manufacturing of our windows is regulated. Each piece of equipment is expertly calibrated and activated to regulate production from assembly to scanning and tagging. We take care to conduct quality checks throughout the entire process to ensure that you receive our best work. When we are satisfied with the end result we will then affix certified labels highlighting Energy Star certification. All our products are evaluated and certified for energy performance in accordance with CSA A440.2



SLIMLINE SERIES

The Integral Slimline Series offers a full range of window styles to suit your project needs.



Casement

Casement windows hinge at the side and open out from the other side.



Awning

Awning windows hinge at the top and open out from the bottom.



Double-Hung

Double-hung windows have a top sash that can be lowered and a bottom sash that can be raised.



Single-Hung

Single-hung windows have a fixed top sash and a bottom sash that can be raised.



Sliding

Sliding windows have one fixed sash and another sash that slides side to side.



Bay or Bow

Bays and bows are combinations of windows that extend outward to maximize your view.



Special Shapes

Special shape windows include angled, rectangular or curved shapes that do not vent.



Specialty Windows

Specialty windows offer unique beauty and operational styles.

Available in variety of styles including casement, awning, picture, custom shapes & more !



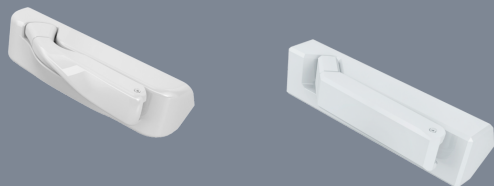
CASEMENT AWNING

The Integral Slimline Series offers a contemporary low profile design, which allows more natural light into your home. This window is guaranteed to provide an attractive finish to your home.

CASEMENT PROFILE



HARDWARE



SIZES

Frame Type	Width (min-max)	Height (min-max)
Casement	15 3/4" - 36"	15 3/4" - 72"
Fixed Casement	15 3/4" - 96"	15 3/4" - 96"
Awning	15 3/4" - 56"	15 3/4" - 60"



FEATURES:

- Contemporary low profile frames provide 20% more glass and less exposed vinyl frame. When multiple frames are mulled together the posts are only 5 1/2" compare to traditional windows that have 7" posts when joined.
- Premium Vinyl construction from the highest quality, unplasticized, leadfree PVC. These extrusions are guaranteed to be UV resistant and will not fade, discolor, warp, crack or peel.
- Fusion welded frames and sashes for ultimate performance and strength.
- Multiple-chambered frames and sashes, which ensure greater thermal efficiency. Chambers can be foam filled for additional performance
- Acrylic Glazing Technology, ASTM approved acrylic system which eliminates the need for unappealing rubber strips that are prone to failure from sun exposure.
- Cardinal Insulated glass utilizing warm edge technology for the greatest thermal efficiency.

DOUBLE HUNG DOUBLE SLIDER

- Premium Vinyl construction from the highest quality, unplasticized, leadfree PVC. These extrusions are guaranteed to be UV resistant and will not fade, discolor, warp, crack or peel.
- Fusion welded frames and sashes for ultimate performance and strength.
- Operating sashes that move up and down for hung window or side to side for sliders.
- Effortless tilting of sashes for easy cleaning and maintenance.
- Built In Sash Handle for durability and ease of operational use.
- Combination of compression and felt weatherstripping at all critical points for year round comfort.
- Positive drainage system to quickly disperse any accumulated rain on track systems.
- Acrylic Glazing Technology, ASTM approved acrylic system which eliminates the need for unappealing rubber strips that are prone to failure from sun exposure.
- Cardinal Insulated glass utilizing warm edge technology for the greatest thermal efficiency.

DOUBLE SLIDER / DOUBLE HUNG PROFILE



SIZES

Frame Type	Width (min-max)	Height (min-max)
Double Slider	28" – 72"	15 3/4" – 60"
Double Hung	19" – 47"	35" – 76"



CARDINAL GLASS



CARDINAL CG COMPANY

LoE-180



CARDINAL CG COMPANY

LoE²-272/270



CARDINAL CG COMPANY

LoE³-366



CARDINAL CG COMPANY

LoE-i89



CARDINAL CG COMPANY

Neat+

Cardinal LoE-180 delivers outstanding cold weather performance – its insulation value is excellent with a low 0.26 U-Factor. And with an SHGC of 0.69, it lets the winter sun's heat pass into the home. It also blocks 71 percent of the sun's harmful UV rays. While blocking out the cold and UV rays, it lets the daylight stream in – more light than ordinary low-e glass.

Cardinal LoE² glass is ideal for all weather conditions in most climates. In summer, its patented coating blocks around 85% of the sun's harmful ultraviolet rays and 60% of the sun's heat. It even outperforms tinted glass often used in warm climates. You can see out and the light shines in, with no heavy bronze or smoke-colored tones to darken the personality of your home. In winter, it reflects heat back into rooms.

LoE³-366 is a clear coating that blocks even more solar gain, reflects heat, and lets the light stream in. It even outperforms the tinted glass often used in warm climates.

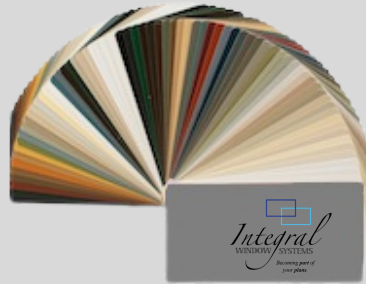
LoE³-366 provides exceptional fading protection. It blocks 95% of the sun's damaging ultraviolet rays, protecting your furniture, carpets, curtains and wall coverings for years to come. The superior insulating capability of **LoE³-366** is a key factor in the construction of comfortable windows for cold climates

LoE-i89™ is our energy-saving 4th surface coated glass. It offers excellent visible light transmittance and low reflectance. Yet it delivers a center-of-glass U-factor of just 0.20 when coupled with our **LoE³** or **LoE²** glass and argon fill in a 2-pane unit. Even without argon and with or without capillary tubes, the unit still delivers a U-factor of just 0.23. Coupled with our **LoE²** or **LoE³** glass and argon fill, this double-pane unit delivers performance much better than clear triple-pane – a center of glass U-factor of just 0.20 compared to 0.37 with clear triple-pane. To surpass the U-factor performance of our **LoE-i89** double-pane unit, you would need to go to a triple-pane unit with a low-E coating in each gap.

Window cleaning is a chore. Exterior window surfaces require constant maintenance, but not so with **Neat+** glass. Neat+ means glass stays cleaner longer. And when you must clean your glass, it'll be easier and fast. **Neat+** uses a combination of static dissipation to reduce the amount of dust on the window's surface, along with help from the sun to break down greenhouse gases and other pollutants to keep the window naturally cleaner. The titanium dioxide layer of Neat+ glass reacts chemically with the sun's UV rays and causes greenhouse gases and other pollutants that are on the glass to decompose. **Neat+** is 25% more photoactive than the original Neat glass.

COLOUR OPTIONS & ACCESORIES

CUSTOM COLOURS



A palette of elegant color options are offered in diverse finishes. We offer standard semi-gloss, matte, low sheen, or Euro-textured finish. Our paints

are formulated using the latest technology that assures positive bonding at a molecular level. The latest technology in UV retardants sheds heat and prevents the common problems of embrittlement and pre-mature aging. Best of all compounds used are low VOC's which is environmentally friendly.

DECORATIVE GRILLS

Integral windows can be easily customized for the traditional look, contemporary or uniquely



personalized look with decorative grills. Decorative grills are available in numerous colors. Also available are Simulated Divided Lights SDL's. SDL's provided an elegant look of divided lights and are available in sizes from 1', 1.25" and 2"

INTERIOR OPTIONS



Interior trim packages are available in pine, oak and other fine woods as well other fine woods. For a maintenance free, paint free solution we have matching vinyl jamb system and vinyl casing trim. The choice is yours with various styles from traditional colonial to modern flat trim.



Integral Authorized Dealer


Integral
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 of your plans.*

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