

# SKYLIGHTS

## Sophisticated skylights with Vision Control® louvered glazing

Unicel Architectural specializes in large, customized skylight projects. Our sophisticated skylight systems feature unique framing systems for the most discerning architectural requirements.

Unicel's skylights are renowned for an internal guttering system with pressure-equalized rain-screen technology that incorporates the largest water infiltration and condensation guttering solution in the industry. Additionally, our skylights include notched rafters and coped purlins that join seamlessly to accommodate gutter continuity and thermal expansion. This ensures a plumbing system that doesn't require any sealant to perform.

Unicel skylights take into account severe climate conditions as a result of our Canadian experience with harsh winters and extreme temperature variations. Unicel skylight systems benefit from decades of expertise in the installation, water management, condensation control and thermal movement accommodation for sloped glazing applications.

Our skylights can have added special features such as integrated Vision Control® louvered glazing panels that enable the control of light and heat into the building.



**LEED** - Unicel skylight systems with motorized louvers optimize solar heat gain and lighting. This results in a reduction in HVAC costs and a significant increase in energy efficiency.





## How Unicel's Vision Control® integrated louvers in Skylight Systems Contribute to the LEED® Green Building Certification Program

Unicel's skylight systems with Vision Control® delivers unprecedented comfort and control of vision, daylight, solar heat gain and sound. Vision Control® provides a patented combination of louvers between glass that are hermetically sealed and cordless, guaranteed for longevity, optimized for energy efficiencies, and customizable to any design, environmental or cultural requirements. Unicel combines its 50 years of market leading know-how with great design to ensure sustainable performance.

Below is a summary of the LEED credits to which Unicel louvers-between-glass can potentially contribute:

### Energy & Atmosphere (EA)

- Optimize energy performance (up to 18 points)

### Indoor Environmental Quality (IEQ)

- Thermal comfort (up to 1 point)
- Interior lighting (up to 2 points)
- Daylight (up to 3 points)
- Quality Views (up to 1 point)

### Innovation (IN) (up to 5 points)

- With the use of Vision Control®: Intelligent control of louver tilt angle used for controlling solar heat gain and enhancing daylighting

