Residential and Commercial Skylights and Sun Tubes

www.columbiaskylights.com
Skylights bring all the benefits of natural light directly into your home, dramatically transforming any room, helping you save on energy costs and improving your health and well being. For smaller projects and areas where traditional skylights will not fit, Sun Tubes offer the ideal solution, bringing natural light into virtually any space.

Transform your home
Create the feeling and sensation of spaciousness without adding to your square footage. Skylights and Sun Tubes transform neglected spaces into living areas, opening your home to more pleasurable living.

Improve your health & well being
Exposure to daylight has been proven to benefit emotional and physical health. Skylights and Sun Tubes bring the benefits of sunlight into your home, blocking harmful UV rays, optimizing daylight and reducing glare.

Save on energy costs
Skylights and Sun Tubes help reduce the need for electrical lighting and ventilation systems. That's good news for the environment and your pocket!

Fresh air circulation
Venting Skylights provide natural ventilation, letting warm air escape and cool air circulate. An excellent energy efficient alternative to fans and air conditioners for removing VOCs (volatile organic compounds), odors and humidity.

Easy installation & maintenance
Skylights are a quick, easy and affordable way in which to transform your home. Columbia Skylights use state of the art LoE³ 366® glazing technology and a superior condensation drainage system that provides a low maintenance weather-tight product for years.

Why Columbia...
- Made in Canada since 1955
- Most complete skylight product line in Canada
- Energy Star® certified and built with the harshest climates in mind
- Our customers have more choices...
  - The industries largest selection of standard skylight sizes
  - 8 Glass and 3 Acrylic or Polycarbonate glazing options
  - 6 skylight cap frame colors
- Unbeatable custom capability, any model, any size, any glazing option
- Industry leading warranty featuring 20 years on sealed glass units

Green Friendly
Columbia Skylights support sustainability by reducing our environmental footprint through the recycling of raw materials, eliminating over-packaging, lean manufacturing techniques, and by producing energy efficient products that meet Energy Star® requirements. Columbia Skylights can assist your project obtain LEED™ certification.
Choosing your Skylight

1. Options for every application
Columbia Skylights are designed to fit homes with 16” and 24” on centre rafters or trusses as well as any other rough opening that you may have.

- **Curb Mount**: #1 Choice for Contractor/ Pros
- **Self Flashing**: Designed for the Do-it-Yourselfer
- **Deck Mount**: Douglas Fir natural wood curb
- **Sun Tubes**: Bring natural light to any space

2. What type of roof do you have?
Skylights can be installed on asphalt or fiberglass shingles, slate, cedar shakes, concrete and Spanish tile, metal roofs and rubberized membrane - EPDM.

- **Flat Roof**: Acrylic Dome, Acrylic Pyramid, Sun Tube
- **Sloped Roof**: Glass, Acrylic Dome, Acrylic Pyramid, Sun Tube

3. Fixed or Venting Skylights?
Self Flashing, Curb Mount and Deck Mount Skylights are all available in fixed and venting models. Choose from a crank handle (included as standard) or telescopic pole for manual operation or three electric venting options featuring remote operators and rain sensors. See page 6 for venting skylight options.

4. Sizing your Skylight
Measure the inside curb dimension or the roof opening. Check the standard and custom size charts for availability. Columbia can make skylights to any size, any model, fixed or venting, from 14.5” x 14.5” to 94.5” x 94.5”.

5. Glazing Options
Standard glass is double glazed Tempered/ Tempered. All options are available with clear or white laminated glass for additional safety and noise control. See page 20 for more information on glazing options.

- **Energy Star® Certified Glass**
  - LoE³ Clear
  - LoE³ Neat
  - LoE³ Bronze/ Grey
  - LoE³ Solar Reflective Bronze/ Grey
  - LoE³ i89
  - LoE³ Triple Glazed

- **Acrylic/ Polycarbonate**
  - Clear
  - Bronze
  - White
  - Acrylic and Polycarbonate glazing available in Single, Double, Triple glazed

6. Choose your frame colour
Exterior aluminum frame with baked enamel Rideau Brown finish comes as standard. Columbia offers a full range of frame colour options on all models, fixed and venting, to match your roofing materials:

- Brown
- Grey
- Black
- White
- Sandalwood
- Mill Finish

www.columbiaskylights.com
Venting Skylights

Available on Self Flashing, Curb Mount and Wood Deck Mount Skylights

At the push of a button or flick of a switch you are in charge with fresh air and temperature control. Columbia’s electric venting skylight kits are designed by Truth Hardware™. Choose from our venting electric Elite, Deluxe and Standard kits.

1. **VE Elite**
   - Load rated for a total skylight weight of **160lbs**
   - LED remote controls an infinite number of skylights
   - Built in thermostat opens skylight based on room temperature
   - Create up to 9 separate skylight groups for simultaneous control
   - Each group can control an infinite number of skylights
   - Corrosion resistant rain sensor
   - Decorative cover for skylight motor

2. **VE Deluxe**
   - Load rated for a total skylight weight of **90lbs**
   - Slimline remote allows control of up to 4 skylights
   - Rain sensor closes the skylight at the first sign of moisture
   - Decorative cover for skylight motor

3. **VE Standard**
   - Load rated for a total skylight weight of **90lbs**
   - Wall switch controls up to 4 skylights
   - Wall switch designed for a single gang electrical box
   - Decorative cover for skylight motor

**Venting Manual Skylights**

Open and close your skylights manually. Columbia offers a standard crank handle for skylights within reach and a telescopic pole option for out of reach applications. Telescopic poles come with an adapter and are available in two sizes: 4ft-6ft and 6ft-10ft

**Installation Method**

**Self Flashing - VSF/OVSF**

The Do-It-Yourself Skylight

Built in flashing and curb
Fixed and venting models
Available in glass and acrylic

**Curb Mount - VCM/OVCM**

The Contractor/Pro choice

The widest range of standard sizes
Fixed and venting models
Available in glass and acrylic

**Wood Deck Mount - CFS/CVS**

Natural Wood finish

Built in Douglas Fir wooden curb
Fixed and venting models
Available in glass

**Roof Access - RAS**

Ideal for roof gardens and patios

White aluminum interior frame finish with pull down handle
Available in glass and acrylic

**Circular Roof Domes - CRD**

Residential and commercial circular domes

Two standard sizes 48” and 72”
Available in acrylic

**Sun Tubes - RST/FST**

Bring natural light into any space!

Residential and commercial sun tubes
Rigid and flexible models
Available for sloped and flat applications
Perfect for bathrooms, closets, wardrobes, hallways, laundry rooms and kitchens
**Self Flashing Skylights**

Ready to mount with their own built in curb and flashing. Columbia’s self flashing skylights are designed for quick and easy installation.

Offering the lowest profile from the Columbia Skylight range, the self flashing model compliments your roof line, offering a sleek, integrated, professional finish.

1 **Durable Aluminum Cap**: Baked brown enamel finish
2 **Base Frame**: Thermally broken white PVC base frame
3 **Curb and Flashing**: Built in maintenance free white PVC curb and flashing
4 **Condensation channel**: 4 sided channel with weep holes in each corner

**Aluminum Cap Finish**: Baked brown enamel finish standard. Available in the following colors:
- Brown
- Black
- White
- Grey
- Sandalwood
- Mill Finish

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**OVSF-E Venting Electric Self Flashing Skylight**

- Available in three venting electric options:  
  1 Elite  
  2 Deluxe  
  3 Standard (See page 6)
- Available in glass and acrylic (See page 20)
- Includes removable bug screen
- Energy Star® certified glazing options
- Skylight Blinds available (See page 19)

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**OVSF Venting Manual Self Flashing Skylight**

- Available in two venting manual options:  
  4 Crank handle  
  5 Telescopic pole (See page 6)
- Crank handle is standard
- Optional Telescopic pole including hex ball adapter available in 4ft-6ft or 6ft-10ft
- Choice of glass and acrylic (See page 20)
- Includes removable bug screen
- Energy Star® certified glazing options
- Skylight Blinds available (See page 19)

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**VSF Fixed Self Flashing Skylight**

- Available in glass and acrylic (See page 20)
- Energy Star® certified glazing options
- Skylight Blinds available (See page 19)

**Minimum 3:12 roof pitch required**
Curb Mount Skylights

Recommended by roofing professionals as the optimum choice for long lasting, trouble free installation, Columbia’s curb mount skylight is the preferred skylight mount for any type of roof.

1 **Durable Aluminum Cap:** Baked brown enamel finish*
2 **Installation:** Outside fastening as standard. Inside fastening also available.
3 **Base Frame:**
   a Thermally broken white PVC base frame
   b Thermally broken aluminum base frame
4 **Condensation channel:** 4 sided channel with weep holes in each corner
5 **Curb:**
   a Can be installed on a 2 x 4, 2 x 6 or 2 x 8 curb
   b Requires a full 2” wide curb
6 **Glazing:** 8 glass & 6 acrylic or polycarbonate glazing options (See page 20)

*Exterior aluminum cap available in choice of colours

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**OVCM-E Venting Electric Curb Mount**
- Available in three venting electric options:
  1. Elite
  2. Deluxe
  3. Standard (See page 6)
- Available in glass and acrylic (See page 20)
- Includes removable bug screen
- Energy Star® certified glazing options
- Skylight Blinds available (See page 19)

**OVCM Venting Manual Curb Mount**
- Available in two venting manual options:
  4. Crank handle
  5. Telescopic pole (See page 6)
- Crank handle comes as standard
- Optional Telescopic pole including hex ball adapter available in 4ft-6ft or 6ft-10ft
- Choice of glass and acrylic (See page 20)
- Includes removable bug screen
- Energy Star® certified glazing options
- Skylight Blinds available (See page 19)

**VCM Fixed Curb Mount**
- Columbia’s most popular skylight
- Available in glass or acrylic (See page 20)
- 38 standard glass sizes
- 71 standard acrylic sizes
- Energy Star® certified glazing options
- Skylight Blinds available (See page 19)

**VCM-P Fixed Curb Mount Pyramid**
- Brings distinct architectural flare into your home
- Available in acrylic pyramid - double and triple glazed
- Can be installed on sloped or flat roofs
- Available in inside and outside fastening
- Can be installed on all types of site built curbs

**ATCM Curb Mount Aluminum Frame**
- Ideal for larger skylights and commercial applications
- Aluminum thermally broken heavy duty base frame
- Sloped condensation gutter for positive drainage
- Requires a full 2” wide curb
- Fastens from the outside
- Available in glass or acrylic and fixed or venting models
Wood Deck Mount Skylights

A premium deck mounted skylight which includes a Douglas Fir curb, PVC base frame and extruded aluminum cap. The Canadian Douglas Fir curb is:

- Not primed
- No Finger joints
- Premium Quality
- Natural wood

Curb: Premium 1” x 5.5” natural Douglas Fir recesses into skylight opening

Durable Aluminum Cap: Baked brown enamel finish

Base Frame: Thermally broken white PVC base frame

Condensation Channel: 4 sided channel with weep holes in each corner

- Available in two venting manual options:
  - Crank handle
  - Telescopic pole (See page 6)

- Crank handle comes as standard

- Optional Telescopic pole including hex ball adapter available in 4ft-6ft or 6ft-10ft

- Available in glass (See page 20)

- Includes removable bug screen

- Energy Star® certified glazing options

- Skylight Blinds available (See page 19)

**CVS-E** Venting Electric Wood Deck Mount

- Available in three venting electric options:
  - Elite
  - Deluxe
  - Standard (See page 6)

- Available in glass (See page 20)

- Includes removable bug screen

- Energy Star® certified glazing options

- Skylight Blinds available (See page 19)

**CVS** Venting Manual Wood Deck Mount

- Available in two venting manual options:
  - Crank handle
  - Telescopic pole (See page 6)

- Crank handle comes as standard

- Optional Telescopic pole including hex ball adapter available in 4ft-6ft or 6ft-10ft

- Available in glass (See page 20)

- Includes removable bug screen

- Energy Star® certified glazing options

- Skylight Blinds available (See page 19)

**CFS** Fixed Wood Deck Mount

- Available in glass (See page 20)

- Energy Star® certified glazing options

- Skylight Blinds available (See page 19)

**Circular Roof Domes**

Delivers a dramatic departure from the ordinary, opening your home or lobby/reception area to a lightwell affording a beautiful overhead pool of sunlight.

**CRD** Circular Roof Dome

- Available in two standard sizes: 48” and 72”

- Suitable for flat or sloped roof

- Available in acrylic or polycarbonate domes

- Built in 6” non-condensating fiberglass brown curb

- Standard exterior brown fiberglass finish

**Sizes**

<table>
<thead>
<tr>
<th>Sizes</th>
<th>A06</th>
<th>C01</th>
<th>C04</th>
<th>C06</th>
<th>C08</th>
<th>M02</th>
<th>M04</th>
<th>M06</th>
<th>M08</th>
<th>S06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rough Opening</td>
<td>14.5 x 45.25</td>
<td>21.75 x 28</td>
<td>21.75 x 37</td>
<td>21.75 x 45.25</td>
<td>21.75 x 55</td>
<td>29.75 x 29.75</td>
<td>29.75 x 37</td>
<td>29.75 x 45.25</td>
<td>29.75 x 55</td>
<td>45.25 x 46.5</td>
</tr>
</tbody>
</table>

**Ideal for:**

- Roof Gardens
- Roof Patios
- Emergency Exits
- Balcony Access
- Eco-Roofing
- Service Access
Columbia’s residential Sun Tubes bring the natural light of the sun to virtually any space in your home. Installed on any roof in under two hours, the low profile acrylic dome captures sunlight on your roof from dawn til dusk.

- Kit: Dome, roof jack, 4ft. of light tube and a prismatic or soft white diffuser
- Flat and sloped kits available in 4 sizes: 10” 13” 18” 21”
- Quick, simple installation for any shingle or shake roof
- A source of natural light where regular skylights cannot be installed
- See page 17 for residential sun tube accessories

<table>
<thead>
<tr>
<th>Model Size</th>
<th>Coverage Area</th>
<th>Wattage Output Equivalent</th>
<th>Max Tube Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>10”</td>
<td>Up to 150 sq. ft.</td>
<td>Up to 300 Watts</td>
<td>12ft</td>
</tr>
<tr>
<td>13”</td>
<td>Up to 300 sq. ft.</td>
<td>Up to 500 Watts</td>
<td>14ft</td>
</tr>
<tr>
<td>18”</td>
<td>Up to 500 sq. ft.</td>
<td>Up to 1000 Watts</td>
<td>16ft</td>
</tr>
<tr>
<td>21”</td>
<td>Up to 700 sq. ft.</td>
<td>Up to 1450 Watts</td>
<td>20ft</td>
</tr>
</tbody>
</table>

- Formed from high impact modified acrylic
- Absorbs 99% of UV rays while maintaining optic clarity
- Aluminum trim ring and stress collar

- Black baked enamel heavy duty aluminum frame
- Compliments existing roofing materials
- Angled roof jack with unique forward sloping design eliminating light robbing elbows.
- Flat roof jack available for flat roof installation

- Micro Silver aluminum light pipe: 98% reflectivity
- Pipe is easily trimmed with shears during installation

- Diffuser sits flush with your ceiling for a clean, integrated, sleek finish
- Standard kit comes with prismatic diffuser. Soft white diffuser available for less intense light. Includes double lens for optimum energy efficiency.

Columbia’s flexible sun tube skylight is the easiest tubular system to install. The highly reflective aluminum light pipe directs sunlight around obstacles and is ideal for shorter runs.

- Kit: Dome, roof jack, 8ft. of flexible light tube and a prismatic or soft white diffuser
- Available in the most popular sun tube size: 13”
- Quick, simple installation for any shingle or shake roof
- Designed for ease and speed of installation
- Easily installs around attic obstructions

- 8ft of flexible light pipe included, 12ft kit also available
- Highly reflective aluminum duct
- Tear, puncture and fire resistant
- Easiest tubular product to install, ideal for shorter runs
**Commercial Sun Tubes**

**RST-C ➤ Rigid Commercial Sun Tube**

Ideal for schools, offices, factories, warehouses, hospitals or retail buildings, Columbia's Commercial Sun Tube brings the benefits of natural light to virtually any space.

- Available in two flashing options and three interior finishes
- Delivers up to 1450 watts of light with a coverage area of up to 700 sq. feet
- Ideal for T-Bar office settings and warehouse applications
- See page 17 for Commercial Sun Tube accessories

**Flashing Options**

1. Flat roof flashing
2. Curb mounted model

**Finishing Options**

A. Sheet Rock
B. Transition Box (Drop ceiling offices)
C. Warehouse

**Sun Tube Accessories**

**Light Tube Extension (24”)**

- Available on all Sun Tubes – 10”, 13”, 18”, and 21”
- Constructed from the same reflective material as the light pipe
- Tek screws and foil tape included

**Elbow**

- Available on all Sun Tubes – 10”, 13”, 18”, and 21”
- Fully adjustable from 0-45 degrees
- Constructed from the same reflective material as the light pipe
- Tek screws and foil tape included

**Electric Light Kit**

- Available on all Sun Tubes – 10”, 13”, 18”, and 21”
- Can be installed in place of previous light fixture
- Holds standard, CFL or LED light bulbs
- Installs directly into the lower portion of the light pipe
- Wired to wall switch for operation
- Straight forward installation, requires basic wiring skills

**Remote Dimmer Kit**

- Available on Sun Tubes – 10”, 13” and 21”
- Kit: Remote, dimmer panel, light pipe and 120 volt rpm motor
- Installed in the lower portion of the light pipe
- Includes receiver that must hang vertically on nearby stud
- Dimmer may also be hard wired for wall switch

**Tile skirt**

- Available on 10”, 13” and 18” Sun Tube models
- For sloped tiled roof applications
- Install over the sun tube flashing for optimal seal

**Turret Extension**

- Available on 10” and 13” Sun Tube models
- Used when installing on high profile S tiles
- Slip the turret over flashing lip to accommodate the S tiles

<table>
<thead>
<tr>
<th>Model Size</th>
<th>Coverage Area</th>
<th>Wattage Output Equivalent</th>
<th>Max Tube Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>21”</td>
<td>Up to 700 sq. ft.</td>
<td>Up to 1450 Watts</td>
<td>20'ft</td>
</tr>
</tbody>
</table>
For sloped asphalt, shingle or wood shake roofs only
- Not suitable for flat roofs. Must use cant strip and customized flashing
- Compatible with Columbia’s Fixed and Venting Curb Mount Skylights
- Suitable for 2’ x 4’ or 2’ x 6’ curb
- Features pre-cut aluminum steps and pre-formed head and sill flashings
- Includes counter flashing
- Custom sizes available
- Baked enamel brown finish as standard
- Black, Charcoal Grey, White and Mill finish flashing kits also available

- Snug fit with step flashing
- Eliminates air currents and water infiltration
- UV protected, anti-skid surface allows for fast and safe installation
- May be installed without primer
- Self adhesive activated by release sheet

Curb Mount Flashing Kit

Wood Deck Mount Flashing Kit

- Wood Deck Mount skylights (CFS & CVS) require Columbia flashing kit
- Warranty on Deck Mount void unless installed with FKRW kit
- Kit includes roofing underlayment for use between roof and curb
- Baked enamel brown finish as standard
- Black, Charcoal Grey and White flashing kits also available

Skylight Roofing Underlayment

Columbia Skylight Blinds

Control the amount of light and heat entering your skylight with a Columbia Skylight Blind. Offering great value and style at an attractive price, transform any room with one quick and easy installation. All fabrics are constructed of polyester which help prevent staining and water absorption. Columbia Skylight Blinds are available in three fabric options:

Why Skylight Blinds?
- Control the amount of light & heat entering a room
- Save on energy costs - both heating and cooling
- Skylight Blinds provide privacy and style
- Reduce fading on carpets, fabrics and furniture
- Cut out over 90% of harmful UV rays
- Easy to install: fasten brackets & snap the blind into the lightwell
- Easy to use: smooth operation with telescopic pole or manual handle

Fabric and Function

<table>
<thead>
<tr>
<th>Model</th>
<th>Design</th>
<th>% Light Stopped</th>
<th>% Heat Gain Stopped</th>
<th>% UV Rays Stopped</th>
</tr>
</thead>
<tbody>
<tr>
<td>Privacy</td>
<td>Pleated</td>
<td>20%</td>
<td>40%</td>
<td>90%</td>
</tr>
<tr>
<td>Light Filtering</td>
<td>Cellular</td>
<td>35%</td>
<td>55%</td>
<td>90%</td>
</tr>
<tr>
<td>Blackout</td>
<td>Cellular</td>
<td>99%</td>
<td>79%</td>
<td>90%</td>
</tr>
</tbody>
</table>

Sizes

14 Standard sizes up to 4 x 4. Custom capability also available.

<table>
<thead>
<tr>
<th>Model</th>
<th>2020</th>
<th>2028</th>
<th>2036</th>
<th>2052</th>
<th>2828</th>
<th>2836</th>
<th>2840</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finished Lightwell opening dimensions w x h (inches)</td>
<td>13.5 x 13.5</td>
<td>13.5 x 21.5</td>
<td>13.5 x 29.5</td>
<td>13.5 x 45.5</td>
<td>21.5 x 21.5</td>
<td>21.5 x 29.5</td>
<td>21.5 x 33.5</td>
</tr>
<tr>
<td></td>
<td>2852</td>
<td>3636</td>
<td>3652</td>
<td>4040</td>
<td>4052</td>
<td>4242</td>
<td>5252</td>
</tr>
<tr>
<td></td>
<td>21.5 x 21.5</td>
<td>29.5 x 29.5</td>
<td>29.5 x 45.5</td>
<td>33.5 x 33.5</td>
<td>33.5 x 45.5</td>
<td>35.5 x 35.5</td>
<td>45.5 x 45.5</td>
</tr>
</tbody>
</table>

Blinds must be installed at least 12" from skylight to maintain warranty
If installed too close, heat build up could damage skylight frame and or seal.
Columbia uses state of the art LoE³ 366® technology to deliver the industry’s widest range of Energy Star® certified glazing options.

**Tempered/ Tempered** - Five times stronger than ordinary glass
- All glass units include both panes tempered

**Tempered/ Laminate** - A plastic interlayer is added for additional safety
- Glass fragments adhere to plastic interlayer when broken
- Choose from clear or white translucent laminate glass
- Reduces outside noise
- Blocks 99% of UV rays
- Available as an add on for all glazing options

<table>
<thead>
<tr>
<th>Glazing option</th>
<th>UV Rays Blocked</th>
<th>Light Transmitted</th>
<th>Solar Heat Gain</th>
<th>Glazing Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>LoE³ Clear</td>
<td>95%</td>
<td>64%</td>
<td>0.28</td>
<td>GOOD</td>
</tr>
<tr>
<td>LoE³ Neat</td>
<td>95%</td>
<td>64%</td>
<td>0.28</td>
<td>BETTER</td>
</tr>
<tr>
<td>LoE³ Bronze/ Grey</td>
<td>95%</td>
<td>45%</td>
<td>0.27</td>
<td>BEST</td>
</tr>
<tr>
<td>LoE³ Solar Reflective Bronze/ Grey</td>
<td>95%</td>
<td>17%</td>
<td>0.15</td>
<td>-</td>
</tr>
<tr>
<td>LoE³ i89</td>
<td>99.5%</td>
<td>58%</td>
<td>0.25</td>
<td>-</td>
</tr>
<tr>
<td>LoE³ Triple Glazed</td>
<td>99.5%</td>
<td>46%</td>
<td>0.24</td>
<td>-</td>
</tr>
</tbody>
</table>

**LoE³ Clear**
- Industry Bench Mark
- Dual pane with argon gas.
- LoE³ 366® coating is virtually invisible.
- Blocks 95% of the sun’s damaging ultraviolet rays.
- Twice the condensation resistance of ordinary glass.

**LoE³ Neat**
- Low Maintenance, Self Cleaning
- All the benefits of LoE³ Clear plus self cleaning properties.
- Titanium dioxide layer breaks up organic on the glass.
- Exceptionally smooth surface allows rain water to ‘sheet off’.
- Rain water evaporates quickly preventing water spotting.

**LoE³ Bronze/ Grey**
- For a softer light
- All the benefits of LoE³ Clear plus glare reduction.
- Reduces solar heat gain and light transmittance.
- Ideal for rooms that require a softer light.
- Suitable for rooms that are south or west facing
- Neat glass available as add on

**LoE³ Solar Reflective Bronze/ Grey**
- Mirror Finish
- Mirror finish reflects the sun
- The lowest visible light transmittance and daytime privacy
- Superior solar heat gain and light control characteristics

**LoE³ i89**
- Close to Triple Pane Performance
- All the benefits of LoE³ Clear plus additional i89 coating
- Gives you close to triple pane performance
- Optimal thermal performance at an affordable price
- Neat glass available as add on

**LoE³ Triple Glazed**
- The Ultimate Performance Glass
- Three layers and two LoE³ 366 coatings
- Effective in reducing noise transmission
- Suitable for all climate zones
- Neat glass available as add on

**GLASS**

**ACRYLIC**
- Clear
  - Allows the maximum amount of visible light
- Bronze
  - Allows a clear view through the skylight while reducing the amount of visible light and solar heat gain. Results in softer room lighting.
- White
  - Offers privacy along with reduced visible light and solar heat gain.

**POLYCARBONATE**

A tough plastic that exhibits outstanding strength, often used in commercial applications where lower flame spread ratings are required.
Columbia manufactures the widest range of Energy Star® certified skylights in Canada. By choosing Energy Star® certified Skylights you save on energy costs and protect the environment. Find out what zone you live in and choose an Energy Star® glazing option that meets the requirements.

Canada’s Energy Star® Zones

What makes a Skylight Energy Efficient?

1. **U Factor**: Indicates the rate of heat loss. The lower the U Factor the greater a skylights resistance to heat flow.

2. **SHGC** (Solar Heat Gain Coefficient): The fraction of incident solar radiation admitted through a skylight, Expressed as a number between 0 and 1, the lower a skylight's solar heat gain coefficient, the less solar heat it transmits.

3. **VT** (Visible Transmittance): The amount of visible light transmitted. A high VT is desirable to maximize daylight.

The Columbia Advantage

Built with the harshest climates in mind...

- 7 Energy Star® certified glass glazing options
- LoE³ Triple glazed and LoE³ i89 are the skylight industry's most energy efficient glazing options, helping you maximize savings and reduce your green footprint. Available on all models, fixed and venting, standard and custom sizes.
- For technical information on the energy efficiency of any of Columbia skylight or sun tube model visit: www.columbiaskylights.com or www.oee.nrcan.gc.ca

Energy Star® Skylights

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<th>Model</th>
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Dedicated to your total satisfaction, Columbia's Skylights and Sun Tubes are crafted from the finest materials available, engineered with unparalleled quality. Guaranteed to be weather tight, providing a lifetime of enjoyment and trouble free maintenance. All sealed glass units are guaranteed for a period of twenty years from the date of purchase.

For more information on Columbia's industry leading warranty visit our website.

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