MEGA SKY
Oversized Skylights

EXTRA DAYLIGHTING WITH MORE THAN DOUBLE THE INSULATION OF ACRYLIC UNITS

MEGA DAYLIGHT
- Oversized to achieve extra daylighting per skylight roof opening
- Fits conventional 4’ and 5’ bar joists with skylight lengths of 10’, 12’ or 14’
- Built-in diffuser with anti-glare matte finish provides superior light diffusion
- Complies with OSHA life safety standards; no obstructive metal cage required

MEGA ENERGY SAVINGS
- Nano-Cell technology
- More than double the insulation of double glazed plastic units
- Reduced solar heat gain
- Compliance with today’s demanding energy codes

MEGA PERFORMANCE
- Reduces number of skylight roof penetrations, curb costs and the construction costs associated with them
- Better impact resistance; tested for 350 ft-lb. large missile impact and 500 ft-lb impact loading
- High load performance; tested for 90 psf live load and 200 psf wind uplift load
- Better fire performance; Class A flame spread and CC1 rating
- Reduces potential water leaks associated with multiple roof penetrations required for smaller acrylic skylights

MEGA WARRANTY
- Standard manufacturer’s warranty covers delaminating, hail damage and loss of light transmission for up to 10 years

<table>
<thead>
<tr>
<th>Model #</th>
<th>Nominal Unit Dimensions</th>
<th>Out to Out Finished Curb Dimension Including Finished Roofing</th>
<th>SOLAR &amp; THERMAL DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Glazing</td>
</tr>
<tr>
<td>MS 48120</td>
<td>4’ x 10’</td>
<td>48” x 118-1/4”</td>
<td>Clear</td>
</tr>
<tr>
<td>MS 48144</td>
<td>4’ x 12’</td>
<td>48” x 141-7/8”</td>
<td>Ice White</td>
</tr>
<tr>
<td>MS 48168</td>
<td>4’ x 14’</td>
<td>48” x 165-1/2”</td>
<td></td>
</tr>
<tr>
<td>MS 60120</td>
<td>5’ x 10’</td>
<td>60” x 118-3/8”</td>
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</tr>
<tr>
<td>MS 60144</td>
<td>5’ x 12’</td>
<td>60” x 142”</td>
<td></td>
</tr>
<tr>
<td>MS 60168</td>
<td>5’ x 14’</td>
<td>60” x 165-5/8”</td>
<td></td>
</tr>
</tbody>
</table>

(1) LT% per ASTM E972-88
(2) SHGC = Solar Heat Gain Coefficient per NFRC Calorimeter Standard
(3) “U” factor per NFRC 100 standards

MODEL

- PENTAGLAS 12mm POLYCARBONATE
- BUILT-IN DIFFUSER PENTAGLAS 8mm ANTI-GLARE MATTE FINISH
- OUT TO OUT FINISHED CURB DIMENSION INCLUDING FINISHED ROOFING

Model # Nominal Unit Dimensions Out to Out Finished Curb Dimension Including Finished Roofing

- MS 48120 4’ x 10’ 48” x 118-1/4”
- MS 48144 4’ x 12’ 48” x 141-7/8”
- MS 48168 4’ x 14’ 48” x 165-1/2”
- MS 60120 5’ x 10’ 60” x 118-3/8”
- MS 60144 5’ x 12’ 60” x 142”
- MS 60168 5’ x 14’ 60” x 165-5/8”

SOLAR & THERMAL DATA
Insulated “U” Factor = 0.24

- Glazing Clear
- Diffuser Clear Matte
- LT% (1) 52%
- SHGC (2) 0.417
- Glazing Ice White
- Diffuser Ice White Matte
- LT% (1) 38%
- SHGC (2) 0.348

SOLAR & THERMAL DATA
Insulated “U” Factor = 0.24
MEGA SKY
Oversized Skylights

MAXIMIZE DAYLIGHTING BENEFITS WITH NANO-CELL TECHNOLOGY

Superior Insulation, Light Diffusion and Durability

Cellular glazing gives
8 layers of protection
U = 0.24

Insulation
Nano-Cell glazing structure provides
superior insulation to multi-layered
monolithic plastic glazing.

Anti-Glare
Nano-Cell matte finish glazing
eliminates glare.

Fall Protection
Meets OSHA Life Safety
requirements without cage.

Short Specification—MEGASKY Skylights

Mega Sky unit skylight shall be Model #
[ ] MS 48120  [ ] MS 60120
[ ] MS 48144  [ ] MS 60144
[ ] MS 48168  [ ] MS 60168

As manufactured by CPI Daylighting Inc., 800-759-6985

Glazing Configuration shall be:
☐ Clear over Clear Matte with 52% LT & 0.417 SHGC
☐ Ice White over Ice White Matte with 38% LT & 0.348 SHGC

Insulation U value shall be 0.24 per NFRC 100
Aluminum frame shall be 6063 alloy mill finish.

Entire Skylight system shall be tested by an independent testing agency
for structural loading per ASTM E-330 with no failure at Positive 90 PSF and
Negative 130 PSF and impact loading of 500 Ft Lbs per ASTM 695-03. Skylight
shall meet OSHA fall through requirements per 29 CFR 1910,23(e)(8) for a
300 LB point load with no damage. Glazing shall be listed by ICC evaluation
services as an approved light transmission plastic with a classification of CC1
and Class A flame spread and smoke development per ASTM E-84. Light
Transmission shall not change more than 6% after 10 years per ASATM D1003.
No water penetration through the dry glazed joint shall occur at a pressure of
6.24PSF per ASTME331.

28662 N. Ballard Dr. • Lake Forest, IL 60045
Phone: 800-759-6985 • Fax: 847-816-0425
www.cpidaylighting.com
**Out to Out = Finished Curb Dimensions Include Finished Roofing**

### QUADWALL® PYRAMID DETAILS

**Model #** | **Size** | **Out to Out**
--- | --- | ---
FPYR 4848 | 4’ x 4’ | 48” x 48”
FPYR 6060 | 5’ x 5’ | 60” x 60”
FPYR 7272 | 6’ x 6’ | 72” x 72”
FPYR 8484 | 7’ x 7’ | 84” x 84”

**Out to Out** = Finished Curb Dimensions Include Finished Roofing

### QUADWALL® SINGLE SLOPE DETAILS

**Model #** | **Size** | **Out to Out**
--- | --- | ---
FSLP 48120 | 4’ x 10’ | 48” x 116 1/8”
FSLP 48144 | 4’ x 12’ | 48” x 139 3/4”
FSLP 48168 | 4’ x 14’ | 48” x 163 3/8”
FSLP 60120 | 5’ x 10’ | 60” x 116 1/8”
FSLP 60144 | 5’ x 12’ | 60” x 139 3/4”
FSLP 60168 | 5’ x 14’ | 60” x 163 3/8”

**Out to Out** = Finished Curb Dimensions Include Finished Roofing

### Short Specs for Fastrak Pyramids and Single Slopes

**As manufactured by CPI Daylighting Inc., 800-759-6985**

**SELECT MODEL:**
- FPYR 4848
- FPYR 6060
- FPYR 7272
- FPYR 8484
- FSLP 48144
- FSLP 48168
- FSLP 60120
- FSLP 60144
- FSLP 60168

**SELECT GLAZING:**
- LT% & SGHC
- [ ] CLEAR ANODIZE
- [ ] CPICRF Paint
- [ ] Bone White
- [ ] Quaker Bronze
- [ ] Hartford Green

**Light Transmission % per ASTM E972-88**

**Solar Heat Gain Coefficient per NFRC / ASTM Calorimeter Standard**

**U Factor: 0.24 per NFRC 100**

**Maximum Live Load: 40 PSF**

**Maximum Wind Load: 30 PSF**

**OSHA Compliant for Fall Through protection with 300 LB pt load per 29CFR 1910.23(e)(8).**

**Water Penetration: Per ASTM E331, no penetration through the dry glazed joint at 6.24 PSF**

**ICC Evaluation Listing: CC1 Light Transmitting Plastic per ASTM D-635, Class A flame spread and smoke development per ASTM E-84.**
### Short Spec for Ridge Skylights

**As manufactured by CPI Daylighting Inc., 800-759-6985**

<table>
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<tr>
<th>Model #</th>
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<tbody>
<tr>
<td>FRDG 48120</td>
<td>4’ x 10’</td>
<td>48” x 120”</td>
</tr>
<tr>
<td>FRDG 48144</td>
<td>4’ x 12’</td>
<td>48” x 144”</td>
</tr>
<tr>
<td>FRDG 48168</td>
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</tr>
<tr>
<td>FRDG 60120</td>
<td>5’ x 10’</td>
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<td>FRDG 60168</td>
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<tr>
<td>FRDG 72120</td>
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<td>FRDG 72168</td>
<td>6’ x 14’</td>
<td>72” x 168”</td>
</tr>
</tbody>
</table>

**Select Model:**

- FRDG 48120
- FRDG 48144
- FRDG 48168
- FRDG 60120
- FRDG 60144
- FRDG 60168
- FRDG 72120
- FRDG 72144
- FRDG 72168

**Select Glazing:**

- LT% & SGHC

**Light Transmission** % per ASTM E972-88  **Solar Heat Gain Coefficient** per NFRC / ASTM Calorimeter Standard

- U Factor: 0.24 per NFRC 100  **Maximum Live Load:** 40 PSF  **Maximum Wind Load:** 30 PSF

**OSHA Compliant** for Fall Through protection with 300 LB pt load per 29CFR 1910.23(e)(8).

**Water Penetration:** Per ASTM E331, no penetration through the dry glazed joint at 6.24 PSF

**ICC Evaluation Listing:** CC1 Light Transmitting Plastic per ASTM D-635, Class A flame spread and smoke development per ASTM E-84.

### Warranty

CPI provides up to 10 years limited warranty against loss of light, color change and penetration by hail as defined in the individual warranties.

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**.provider of Green Products**

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**CPI DAYLIGHTING**

**Quality Comes to Light**

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