

*Residential*

## Dome'l Skylights

*"Enhance your quality of life with light"*



*Endless natural lighting possibilities*

*Commercial*

*Design-Build*

*Architectural*

# Residential Self-Flushed Series

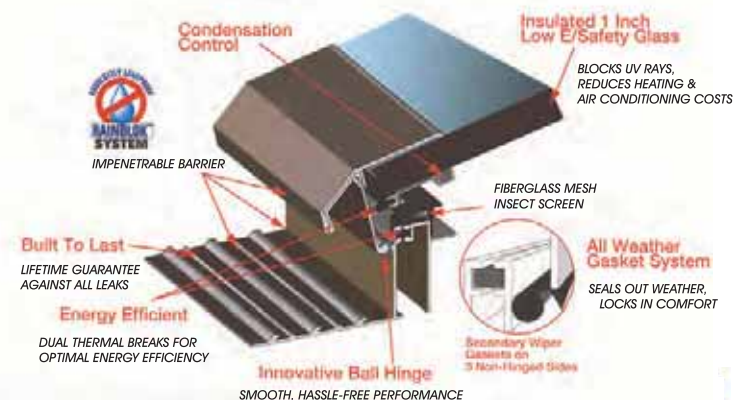
## The Gold Standard

Dome'l is a leader in design innovations for skylights. Our revolutionary, self-flashed models feature rugged thermally insulated aluminum frames that are welded (not screwed together) at the corners to form an impenetrable barrier. Our integral hinge, dual "all-weather" gasket system and smooth chain operation sets our operable skylights apart from others.

Both fixed and venting models incorporate superior insulated glass with energy-efficient Low E which reduces heat loss in cold weather while reflecting solar heat in summer months.

Additionally, the Insta-Flash design permits quick and easy installation... no additional step-flashing or roof fabrication required.

Superior performance, hassle-free installation and Lifetime Warranty against leaks... it all adds up to... **Dome'l, The Gold Standard.**



### Energy Efficient Glass ... No Additional Charge



### Fixed and Venting Skylights



Venting

- Motorized Options (pg. 14)



Fixed

- Custom Color Finishes (pg. 14)

- Glass Alternatives (pg. 14)

Available in 11 Standard Sizes  
See Page 12

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# Residential Curb Mount Series



## *Curb Mount Flat Glass Skylights*

*Dome'l curb mount flat glass skylights are designed for shallow/flat roof applications and with roof materials such as tile, wood shakes or metal standing seam panels. They mount directly over site-built curbs. Offered in 11 standard stationary or operable models or customized to fit your exact curb dimensions.*



*Curb Mount Venting*



*Curb Mount Fixed*

*Available in 11 Standard Sizes  
See Page 12*

## *Curb Mount Acrylic Dome Skylights*

*Dome'l curb mount acrylic dome skylights mount directly over site-built curbs. They are ideal where insulated glass models are not required or desirable. For seaside communities, acrylic glazing withstand impacts without cracking. High impact-resistant polycarbonate offered too. Acrylic options include clear, bronze and white translucent.*



*Single or Double Glazed Dome*



*Available in 12 Standard Sizes  
See Page 12*

**Dome'l 800-603-6635**

## Custom Design-Build Series

### Custom Shapes / Configurations

Here's your chance to design your own skylight...  
You're only limited by your imagination.

#### Flat Glass Skylights

Custom shapes and sizes available in both stationary and operable models. Custom colors to match roof shingles / siding. Custom glazing options including Sun-Guard® Insulated glass in various tints for energy-conscious consumers.



Triangle



Trapezoid



Hexagon



Sun-Guard® is a registered trademark of Guardian Industries Corp.

#### Formed Acrylic Skylights

Transform any dark room into a lively, dynamic living space with formed acrylic skylight designs. Excellent, affordable alternative to structural skylight designs. Ideal for residential, commercial and industrial buildings. Design options include pyramids, polygons, circular shapes, etc. Tints and high impact-resistant polycarbonate offered.



Formed  
Triangle



Pyramid



Circular





# Custom Design-Build Series

## Custom" Retrofit " Designs

### Match Existing Designs

Replace old, existing skylights with new, innovative skylights by Dome'l. A wide variety of skylight designs are available for almost any application or condition. From cutting edge styles utilizing the newest energy-efficient insulating glass models to polycarbonate domes to resist high impacts.



Old, Failing Skylights Must Be Replaced

Remove All Skylights

Mount New High Performance Dome'l Skylights

Fabricated to exact opening dimensions to eliminate costly interior finish work. Simply remove old skylight and mount Dome'l skylight directly to roof surface or curb.

### Match Existing Conditions

Dome'l offers hard-to-find skylight designs for unusual situations such as oversized openings, alignment with exposed roof rafters and roof pitches...



Inside View

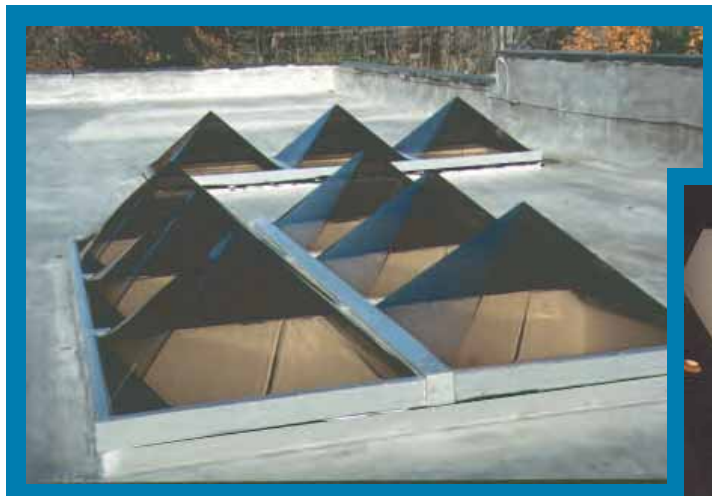
## *Commercial Series*

*Dome'll offers a variety of low cost options to provide natural lighting for warehouses, manufacturing and storage facilities, office buildings and other edifices in need of natural lighting.*



*Barrel Vault / Half Round*

*Available in anodized and painted aluminum finishes, acrylic tint options include clear, white and bronze. Half round design ( not shown ) available too.*



*Tandem Pyramid / Dome System*

*A series of formed pyramids or domes creates a dramatic effect. Ideal for office lobbies, foyer areas ...*

## Commercial Series



### Integral Curb Dome

*This self-flashed model is complete with a 9" high insulated curb... mounts directly to roof surface. Available in 4" high curbs too.*



### Curb Mount Dome

*This model mounts directly to the site-built curbs to replace existing skylights or for new applications.*



VENT DETAIL

### Structural Skylight System

*A wide variety of self-supporting skylight structures are offered with unique features to resolve the most difficult design-build applications. Special features include individually operated vents controlled by remotes or wall switches, special glazing options to reduce solar heat gain while providing plenty of light, exhaust and intake fans.*



## Architectural Series

Dome'l architectural skylights meet the demands of the most discriminating customer's needs for both design and function. They feature pyramids, polygons, hip ridges, cupola's and single pitch designs. Standard insulated glazing consists of tempered over laminated lites. Additionally, there are unlimited options with colored tints; "Low E", Heat Mirror™, and Sun-Guard®; high performance reflective coatings and argon gas filling. Dome'l offers three standard aluminum finishes; clear anodized, bronze anodized or white painted as well as custom color anodized or painted finishes.



Polygon



Pyramid



Ridge with Gable Ends

Ridge



Ridge with Hip Ends





## *Architectural Series Specialties*



Dome'l works directly with architects and engineers for special designs and shapes, either large or small. We specialize in creating natural lighting solutions for new construction or renovations.



Single Pitch



Cupola



Sunroof



Custom Ridge

# Special Purpose Skylights



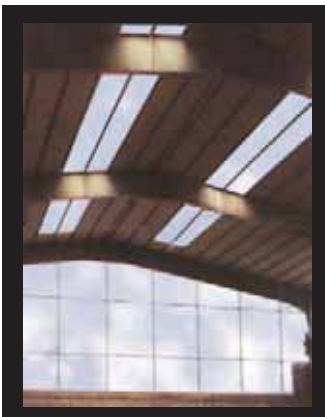
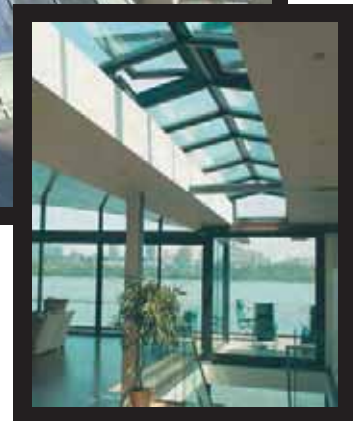
## For Restoration Projects

This Hip Vent Skylight blends the unique styling of historical designs with the durability of today's technologies at an affordable price. Typical applications include installations above stairwells and elevator shafts.

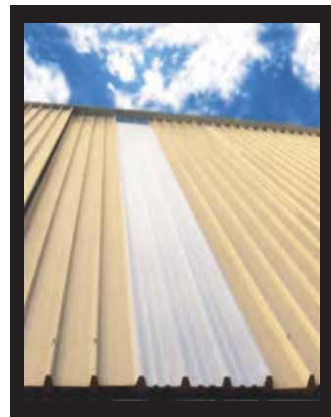


## For Greenhouses, Atriums

Vents are specially designed to fit into most aluminum sloped glazed systems. Glazed with insulated glass or custom color panels to blend into existing structures. Electric controls include rain sensors, remotes and one-touch wall pads for convenient, smooth operation.



Inside View



Outside View

## For Metal Roofs

Rooflite MB<sup>®</sup> corrugated polycarbonate sheets are 20 times more impact resistant than fiberglass and over 120 times more than glass. Extremely durable, this technologically advanced product is designed to withstand hail & wind-borne objects and resist ultra violet rays.



# *Special Purpose Skylights*

## *For Condominiums / Townhouses*

*Skylights are fabricated to exact size of existing openings ... no need to rebuild opening or replace sheet rock inside. Match color and style in all units to meet strict association guidelines for uniformity, appearance and performance.*



*No Homeowner inconvenience ...  
outside work only*

## *For Schools / Houses of Worship*

*Designed to meet building codes for safety and energy efficiency. Dome'l offers affordable options to meet the most stringent budgets.*



## *For Seaside Communities*

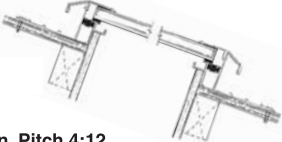






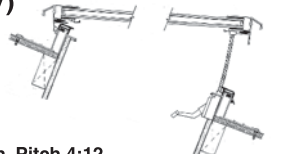





*Dome'l offers a variety of skylights with glazing designed to resist impacts while minimizing solar heat gain and light transmission.*



# Residential Standard Sizes

## Self-Flushed Flat glass








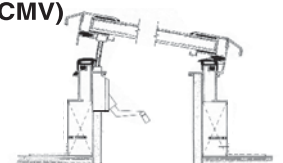





ROUGH OPENING DIMENSIONS - ADD (F) FOR FIXED UNITS, (V) FOR VENTING UNITS

(F)		14 1/2" x 30 1/2" 	14 1/2" x 46 1/2" 	14 1/2" x 60 1/2" 	22 1/2" x 22 1/2" 	22 1/2" x 30 1/2" 	22 1/2" x 46 1/2" 
Min. Pitch 4:12		MODEL (F)(V) 1430	MODEL (F)(V) 1446	MODEL (F)(V) 1460	MODEL (F)(V) 2222	MODEL (F)(V) 2230	MODEL (F)(V) 2246
(V)		22 1/2" x 72 1/2" 	30 1/2" x 30 1/2" 	30 1/2" x 46 1/2" 	30 1/2" x 60 1/2" 	46 1/2" x 46 1/2" 	CUSTOM SIZES AVAILABLE
Min. Pitch 4:12		MODEL (F)(V) 2272	MODEL (F)(V) 3030	MODEL (F)(V) 3046	MODEL (F)(V) 3060	MODEL (F)(V) 4646	

Insulated glass skylights as manufactured by Dome'l Inc. Clifton NJ. The skylights will be factory assembled units, each consisting of a thermally broken frame (to prevent condensation on interior frame wall) will be fabricated from (.078") 6063 T-5 extruded aluminum with mitered, welded corners. Standard glazing will be insulated glass comprised of a tempered outboard lite with Low E and a laminated inboard lite. Flange sections will have a built-in rain diversion channels and pre-drilled holes. Mounting screws included. Venting model will have an operator fastened to the aluminum frame with a crank handle. Venting model with a hinging mechanism which incorporates two continuous aluminum extrusions: a ball-shaped extrusion on the top sash will be inserted into a extruded channel on the base frame. Aluminum framed screen with fiberglass mesh included.

## Curb Mount Flat glass

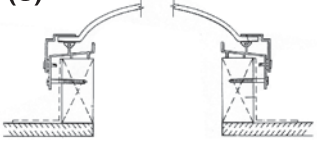






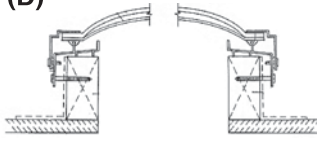






OUTSIDE CURB DIMENSIONS - ADD (CMF) FOR FIXED UNITS, (CMV) FOR VENTING UNITS

(CMF)		17 1/2" x 33 1/2" 	17 1/2" x 49 1/2" 	17 1/2" x 63 1/2" 	25 1/2" x 25 1/2" 	25 1/2" x 33 1/2" 	25 1/2" x 49 1/2" 
		MODEL (CMF)(CMV) 1430	MODEL (CMF)(CMV) 1446	MODEL (CMF)(CMV) 1460	MODEL (CMF)(CMV) 2222	MODEL (CMF)(CMV) 2230	MODEL (CMF)(CMV) 2246
(CMV)		25 1/2" x 75 1/2" 	33 1/2" x 33 1/2" 	33 1/2" x 49 1/2" 	33 1/2" x 63 1/2" 	49 1/2" x 49 1/2" 	CUSTOM SIZES AVAILABLE
		MODEL (CMF)(CMV) 2272	MODEL (CMF)(CMV) 3030	MODEL (CMF)(CMV) 3046	MODEL (CMF)(CMV) 3060	MODEL (CMF)(CMV) 4646	

Insulated glass skylights as manufactured by Dome'l Inc. Clifton NJ. The skylights will be factory assembled units, each consisting of a thermally broken frame (to prevent condensation on interior frame wall) will be fabricated from (.078") 6063 T-5 extruded aluminum with mitered, welded corners. Standard glazing will be insulated glass comprised of a tempered outboard lite with Low E and a laminated inboard lite. Frame will be at 90° angle with pre-drilled holes to set on 1.5" wood curb (by others). Venting model will have an operator fastened to the aluminum frame with a crank handle. The hinging mechanism will incorporate two continuous aluminum extrusions; a ball shaped extrusion on the top sash will be inserted into an extruded channel on the base frame. Aluminum-framed screen with fiberglass mesh included. Frame system is designed to set on a 1.5" wood curb (by others).

## Curb Mount Acrylic Dome

OUTSIDE CURB DIMENSIONS - ADD (S) FOR SINGLE GLAZED ACRYLIC, (D) FOR DOUBLE GLAZED ACRYLIC

(S)		17 1/2" x 25 1/2" 	17 1/2" x 49 1/2" 	25 1/2" x 25 1/2" 	25 1/2" x 49 1/2" 	25 1/2" x 72 1/2" 	33 1/2" x 33 1/2" 
		MODEL CMD 1624 (S)(D)	MODEL CMD 1648 (S)(D)	MODEL CMD 2424 (S)(D)	MODEL CMD 2448 (S)(D)	MODEL CMD 2472 (S)(D)	MODEL CMD 3232 (S)(D)
(D)		33 1/2" x 49 1/2" 	33 1/2" x 72 1/2" 	49 1/2" x 49 1/2" 	49 1/2" x 72 1/2" 	59 1/2" x 59 1/2" 	59 1/2" x 72 1/2" 
		MODEL CMD 3248 (S)(D)	MODEL CMD 3272 (S)(D)	MODEL CMD 4848 (S)(D)	MODEL CMD 4872 (S)(D)	MODEL CMD 5858 (S)(D)	MODEL CMD 5872 (S)(D)

Dome skylights as manufactured by Dome'l Inc. Clifton NJ. The skylights will be factory assembled units, each consisting of acrylic materials (single or double) to support a 40 PSF live load with an outer extruded aluminum frame (.062") and an inner extruded aluminum frame (.078"). Inner frame will have a condensation gutter with a 6° slope for weepage. Frame system is designed to set on a 1.5" wood curb (by others). Note: As a normal characteristic, condensation may form between double glazed acrylic domes.

CUSTOM  
SIZES  
AVAILABLE



# Technical Data

## Residential Standard Models

### Flat Glass Skylights

#### Insulated Glass Data:

All Standard Models use a full 1" overall Safety Glazing consisting of a clear tempered outboard lite with Low E coating over a clear laminated inboard lite. Achieves Optimal Energy-Efficient performance while providing maximum safety protection at no extra cost. See page 14 for glazing options.

U-Value Winter / Summer .35 / .381	UV Blockage 99.9%	Shading Coefficient .79	R-Value 2.85	Daylight Transmittance .77
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U-Value.....The rate of heat flow from indoors to outdoors. Lower U-Values mean better insulating performance.

UV Blockage.....The percentage of ultraviolet rays blocked by glass.

Shading Coefficient.....The measurement of total solar heat gain through a window. The lower the Shading Coefficient, the lower the solar heat gain.

R-Value.....The rate of thermal resistance of a material. The higher the R-Value, the better the insulating ability.

Daylight Transmittance...The percentage of solar light that is passing through glass.

#### Aluminum Finish Data:

All Standard models come with a high quality Quaker Bronze finish. See page 14 for finish options.

### Formed Acrylic Dome Skylights

#### Acrylic Glazing Data:

Acrylic Color	Visible Light	Solar Transmittance	Shading Co-Efficient	
			Single	Double
<b>Clear</b> Maximum Light and View	92%	85%	0.98	0.89
<b>Std. Bronze</b> Partial Light and View	27%	35%	0.53	*0.43
<b>Std. White</b> Diffused Light No View	56%	56%	0.45	**0.41
Values Illustrated In Chart Are Averages And May Vary Based On Thickness Of Acrylic. * Represents Bronze Outer Dome Over Clear Inner Dome. ** Represents Clear Outer Dome Over White Inner Dome.				

#### Aluminum Finish Data:

All Standard models come with a high quality Quaker Bronze finish. See page 14 for finish options.

Lifetime Limited  
Warranty

Contact Dome'l for specific details.

**Dome'l** 800-603-6635

# Accessories & Options

## Electrical Controls



### MOTORIZED SKYLIGHT SYSTEM

Motor options include features such as power protected memory and rain sensor technology which closes skylights at the first sign of moisture. A remote control option with a built-in thermostat allows skylights to open and close together.

## Manual Controls & Shades

### TELESCOPING SKYLIGHT POLE / OPERATING EYELET

Lightweight aluminum pole extends 6ft. to 10ft. for easy skylight operation. Operating eyelet is required for each skylight operated by skylight pole.



### TELESCOPING SHADE POLE

Lightweight aluminum pole extends 6ft. to 12ft.



### PLEATED SHADES

Offered in many color selections in styles for light filtering, darkening or insulating. Manual and motorized options.

## Color Options

Dome'l offers high quality painted finishes ( shown below). Custom color matching available.



QUAKER BRONZE  
(STANDARD)

COAL BLUE

WHITE

RED CLAY

DESERT SAND

HUNTER GREEN

## Glazing Options

### INSULATING GLASS:

Dome'l can design-build a skylight system with the appropriate glass characteristics to suit almost any environment or situation. Options include colored tints, reflective coatings, argon gas filling, etc.

### ACRYLIC / POLYCARBONATE:

Dome'l offers formed domes and flat sheets of acrylic and polycarbonate materials in a variety of tints and thicknesses.



# Dome'l Skylights

## *Trusted Quality For A Lifetime*

**T**here is virtually no job too big or too small for Dome'l. We take great pride in our ability to provide outstanding Customer Service, Professional Technical Assistance and Top Quality Products to meet your greatest expectations.



*From the workshop to the rooftop, Dome'l does it all including installations.*

**Q**uality is the most essential characteristic found in all Dome'l skylight systems. From comprehensive engineering analysis to handcrafted fabrication, every step is scrutinized to assure all skylights meet Dome'l's strict standards for exceptional performance and unmatched aesthetic appeal.

**C**ustomer **S**ervice at Dome'l means we are ready to assist you with a fully trained staff of professionals via toll-free phone, e-mail or facsimile. Each representative is equipped with extensive product knowledge of our skylight systems .... and our competitors too.

**T**echnical **S**upport at Dome'l includes working directly with architects during design conception to providing structural engineering calculations and test reports. This impressive effort has helped contractors win contracts while satisfying the customer's needs for design, function and performance.

**P**roject **M**anagement begins at the time of order through the entire installation process. Dome'l provides a highly qualified team leader to guide your special skylight project through each phase. The project manager skillfully coordinates scheduling for production, shipping and installation ( when applicable ). Through critical path planning, the manager makes sure the project is completed on-budget and on time.

**I**nstallation is offered for structural skylight projects. Our networks of technical field representatives and / or professional installers review job site conditions and contribute to the initial planning process. The installation process begins with precise field measurements and ends with a masterfully built skylight structure.

**Dome'l** 800-603-6635

## *Residential Series*



## *Custom Design-Build Series*



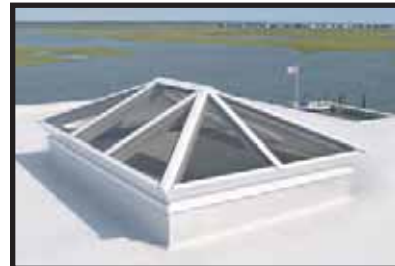
## *Commercial Series*



## *Architectural Series*



## *Special Purpose Skylights*



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Available at :