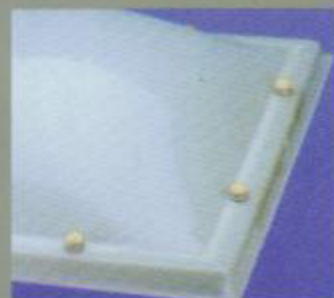




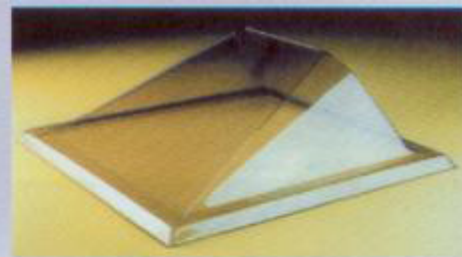
Sunlite[®] Series



Sunlite thermoformed domes



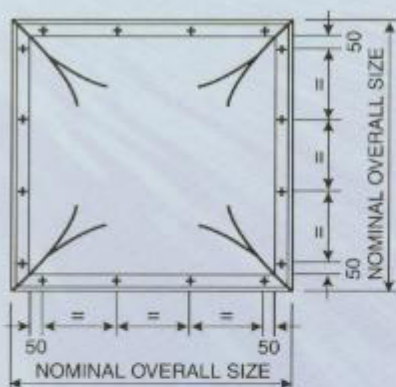
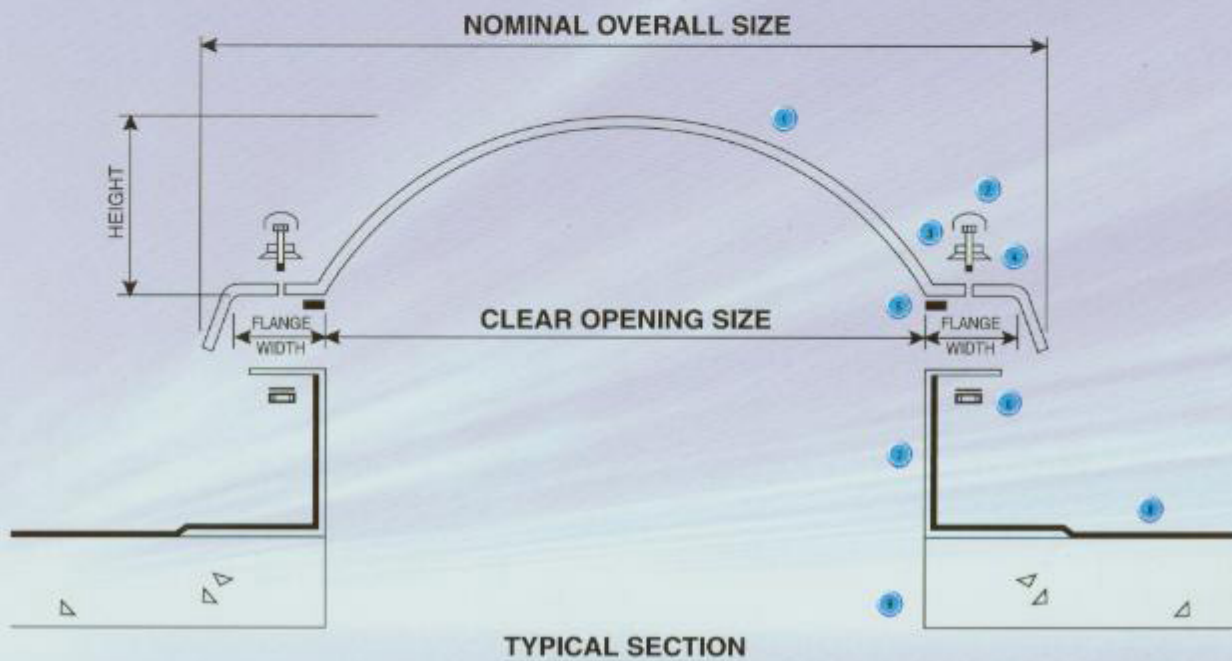
Sunlite heatstop domes



TRIANGULAR

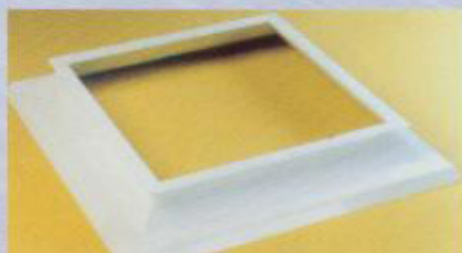
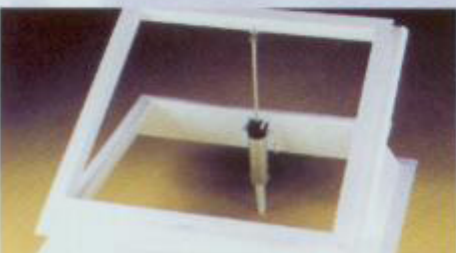
OCTAGONAL

NL WEDGE



TYPICAL ROOF PLAN

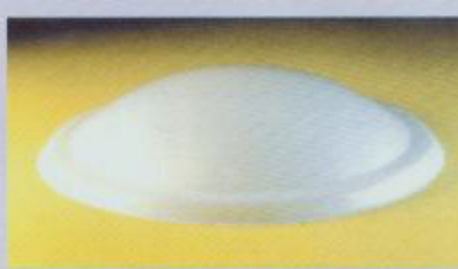
- ① SUNLITE THERMOFORMED ROOFLIGHT
- ② SELA CAP
- ③ M6 STAINLESS STEEL BOLT
- ④ SELA WASHER
- ⑤ SEALING STRIP
- ⑥ M6 S.S. WASHER & NUT
- ⑦ STEEL / GRP KERB
- ⑧ WATERPROOFING MEMBRANE
- ⑨ R.C. STRUCTURE



LINEAR MOTOR

ACCESS HATCH

ADAPTOR KERB



PYRAMID

CIRCULAR BASE DOME

SQUARE BASE DOME

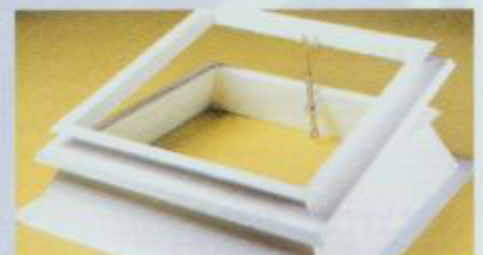
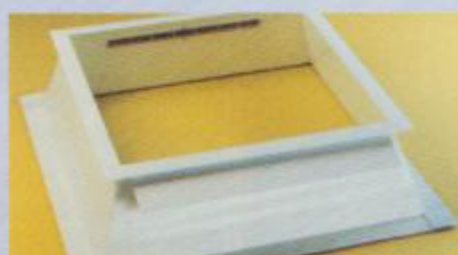
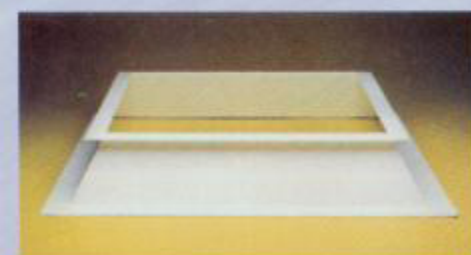
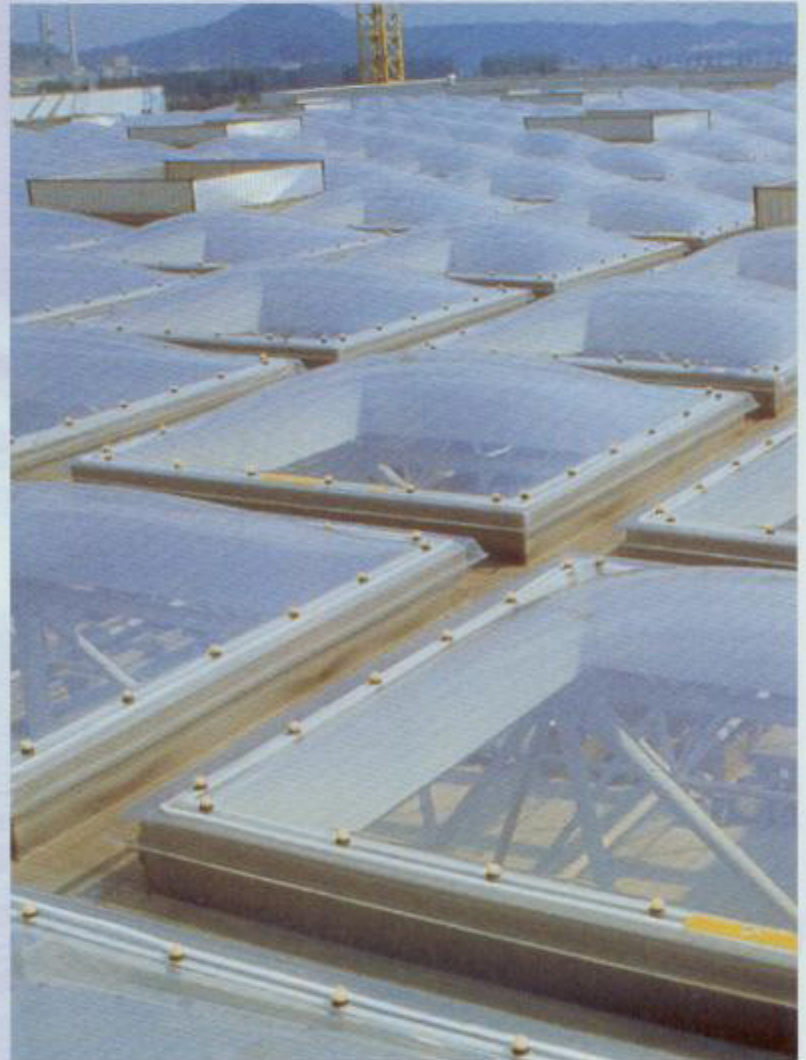
The collection of Sunlite Series is extensive: no less than 80 different sizes, in a pyramidal or spherical shape with single, double or triple walls of clear, opaque, heatstop or bronze-tinted polycarbonate or acrylic

Polycarbonate: Sunlite Series uses polycarbonate which is extremely weather-resistant, has a durable optical quality and exceptional impact strength. All sheets are solid and at least 3 mm thick. The impact strength of polycarbonate is remarkable: about 250 times higher than that of glass, i.e. virtually unbreakable.

Acrylic has a number of properties making it ideal for dome glazing:

- high light transmittance: 92%
- weatherproof and UV-resistant.
- minimal maintenance owing to the self-cleaning surface.
- its impact strength is 10 times that of glass.

The Sunlite armour dome is vandal-resistant. The one-way screws cannot be unscrewed thanks to the unique anti-burglar concept.



STANDARD

VENTILATED

POLE OPERATED

Standard Materials

Polycarbonate (High Impact Resistant)

Clear, Opal, Bronze Anti-glare,
Blue Protectaglaze,

Reflective (restricted size range)

Acrylic. Clear, Opal, Bronze,

Blue Transparent, Green Transparent.

PVC (when specified by client)

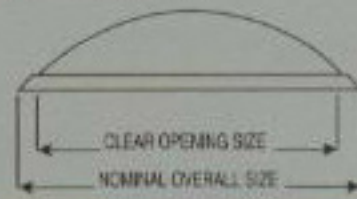
Clear, Opal, Bronze Anti-glare.

All shapes and sizes available in single
or double skin.

Roof Opening Sizes

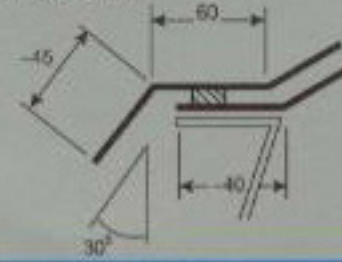
Roof opening = clear opening size
when used with Sunlite Standard
Kerbs.

Clear opening size is 160mm less than
nominal overall size.



Double Skins

Double skins, incorporating a non-
cellular sealing strip increase the
insulation value and reduce
condensation.



Fixings

All rooflight to kerb fixings are
included in price. Security head
fixings are available at a nominal
extra cost.

Mass Area

Combinations of any shape or size
from the standard range can be
linked to structural grids, purpose-
made in our works to provide
transparent covers to any opening.

Light Transmission 透光率

Polycarbonate 聚碳酸酯

Clear 透明 = 88%

Opal 奶白 = 62%

Bronze 茶色 = 50%

Acrylic 有機玻璃

Clear 透明 = 82%

Opal 奶白 = 66%

Bronze 茶色 = 52%

Thermal Transmission 傳熱性能

('U' Value 值)

Polycarbonate 聚碳酸酯

Single skin 單層 3mm = 5.4w/sq.m./c

Twin skin 雙層 3.20/3mm = 2.6w/sq.m./c

Acrylic 有機玻璃

Single skin 單層 3mm = 5.4w/sq.m./c

Twin skin 雙層 3/20/3mm = 2.6w/sq.m./c

Solar Energy & Anti Glare 抑制強光

Bronze Polycarbonate 茶色聚碳酸酯

Bronze Acrylic 茶色有機玻璃

All bronze materials transmit the full light spectrum without discoloration. 所有茶色的材料可以傳遞所有的可見光而不將其變色。

Light
Transmission
自然光透射

55%

52%

Solar
Transmission
陽光透射

67%

68%

Acoustics 隔音性能

BS 6262 Mean Sound Reduction Polycarbonate twin skin 英國標準給出的聚碳酸酯隔音性能為:

6/29/6mm = 31 Hz

Service Temperature 使用溫度 (最大值)

Polycarbonate 120 C ; Acrylic 90 C.

Fire Resistance 防火性能

Material

Polycarbonate 聚碳酸酯

Acrylic 有機玻璃

Surface Spread
of frame
BS 476 Part 7
英國標準
Class 0
Class 3

BS 476
Part 3
英國標準
AA
DD

Building Regulation 1985 Approved Document B allows the use of polycarbonate rooflights in any area except for protected shafts. 1985年的建築條例之許可證書B中，以允許聚碳酸酯之天窗產品可以任何數量應用於任何地方，除了煙窗頂部。

Further technical details available on request. 需要詳細的技術細節請與我們聯系，即可獲滿意答覆。



Sizes:

Standard Range - Nominal sizes

660mm x 660mm

760mm x 760mm

860mm x 860mm

960mm x 960mm

1060mm x 1060mm

1160mm x 1160mm

Thickness 厚度:

2mm, 3mm, 4mm, 5mm, or 6mm

1360mm x 1360mm

1460mm x 1460mm

1660mm x 1660mm

1960mm x 1960mm

Other sizes are available upon
request

其他形狀及尺寸，可按來圖製造。