

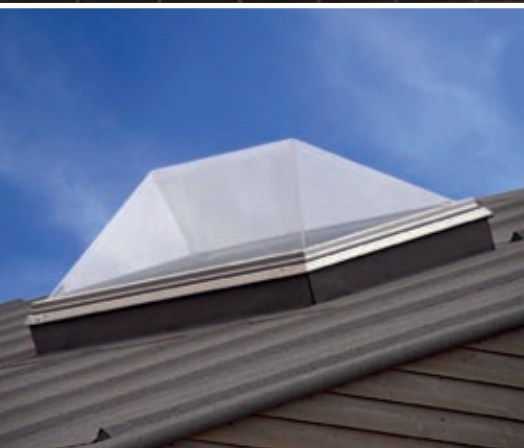


PROVEN FOR  
ENERGY EFFICIENCY



# Apollo

## ACRYLIC PYRAMID



Apollo is the largest acrylic pyramid skylight available in Europe. Its elegant design is of the highest quality and strength.

With the lowest U-value in the market, Apollo can reduce your heating costs by up to 40% compared with traditional skylights. Unlike other manufacturers, Primalux will calculate the U-values for using Apollo in your specific project, and show you the potential savings on your energy costs (see U-value section overleaf).

Apollo is made of completely inorganic materials, and its upstands are insulated very effectively. Its strong construction can withstand the harshest rain, wind or snow, and impacts from falling branches.

This is the perfect all-round solution for providing daylight for all types of buildings and roofs. It's particularly good for flat or low-pitched roofs where the distinctive pyramid shape provides a harmonious architectural expression. Primalux can supply you with large quantities of Apollo in standard sizes (see overleaf).

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*Primalux products are made in Denmark by Primalux A/S, a European market leader in bespoke roof-light solutions. Our aim is to deliver the best value for skylights, when you compare building costs and consider the energy we save you over a five-year period. We offer you the best-insulated skylights on the market. Our products reduce the amount of insulation needed in your building project, saving you further money. Our skylights go further than simply conforming to national and European standards. We exceed quality and safety demands in U-values, strength against wind load, and effectiveness in fire and smoke resistance. Our vision is to lead the market in skylights through constant product development, and to continue providing our customers with well-designed, effective solutions.*

- For roof angles 0° – 70°.
- Aluminium can be powder coated in any RAL colour
- All are openable
- Acrylic: clear, opaque, black (2,3 or 4 layer)
- Standard size: According to table.
- Upstand: Height of the frame:
  - Upstand (timber): from 450 mm with jumps of 50 mm.
  - Upstand (fibreglass): 300 mm and 500 mm.
  - Frame height is measured vertically.
 Thickness of frame:
  - Timber: 9 mm plywood/45 mm insulation/ 9 mm plywood.
  - Fibreglass 23 mm and 43 mm.
  - Low maintenance coatings: powder-coated steel plate in any RAL colour.
  - Vertical upstand: free light opening= roof opening.
  - Vaulted upstand timber: free light opening = roof opening minus 200 mm.
  - Vaulted upstand, fibreglass: free light opening= roof opening minus 200 mm.
- Accessories: Anti-burglary steel net.  
 Motor (chain and spindle) for automatic opening.  
 Spindle (manual with rope) for manual opening.

STANDARD SIZES			
Light (roof) opening mm	Roof opening Vertical upstand	Vaulted opening Timber upstand	Vaulted opening Fibreglass upstand
520 x 520	520 x 520	720 x 720	720 x 720
600 x 600	600 x 600	800 x 800	800 x 800
600 x 900	600 x 900	800 x 1100	800 x 1100
750 x 750	750 x 750	950 x 950	950 x 950
850 x 850	850 x 850	1050 x 1050	1050 x 1050
1000 x 1000	1000 x 1000	1200 x 1200	1200 x 1200
1200 x 1200	1200 x 1200	1400 x 1400	1400 x 1400
1500 x 1500	1500 x 1500	1700 x 1700	1700 x 1700
880 x 1930	880 x 1930	1080 x 2130	1080 x 2130
1000 x 2000	1000 x 2000	1200 x 2200	1200 x 2200
1200 x 1800	1200 x 1800	1400 x 2000	1400 x 2000
1200 x 2400	1200 x 2400	1400 x 2600	1400 x 2600

DOCUMENTATION

U-Values And Your Project

All parts of buildings release heat to the surrounding environment, with some building materials insulating better than others. Fortunately, we can calculate the amount of energy passing through different materials and compare their insulative capabilities. These calculations help us to design the most energy-efficient skylights possible.

The calculations provide what is called a U-value, which measures how much energy (in Watts) is lost to the surroundings in relation to the product's surface area and the temperature difference between outside and inside.

The U-value on a skylight is affected by a variety of influences – e.g. the size of the total surface area - and the heat lost at every join on the construction. Each time a new material is used, a calculation must be made for that specific material.

Together, these calculations enable the manufacturer to state the total and correct U-value for the specific construction.

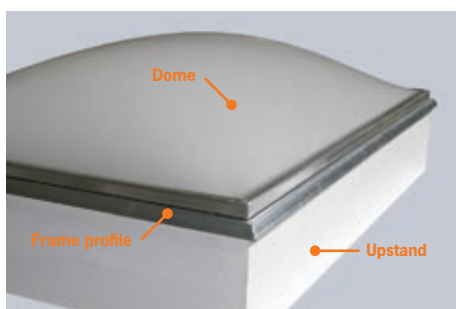
Primalux are happy to supply fully documented calculations for your specific project, thereby showing you the potential energy savings.

CE standards state that manufacturers must be able to specify the U-value on any given finished product in your project, in order for you to calculate your exact heat loss and the overall heat loss for the building.

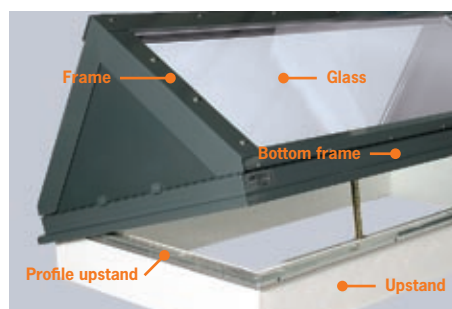
**For more details on Primalux and on specific Primalux products, please contact:**

**Panel Agency**  
**Phone: +44 (0)1474-872578**  
**Fax: +44 (0)1474-872426.**  
**Email: sales@panelagency.com**

**Panel Agency, Maple House, 5 Over Minnis, New Ash Green, Longfield Kent DA3 8JA United Kingdom**



Example of where heat loss must be calculated on an acrylic dome skylight



Example of where heat loss must be calculated on a glass skylight



Thermal cross section: Less heat loss indicated by the red colour