PRIMALUX®

GLASS SKYLIGHTS

Apus

NORTH LIGHT

Glass skylights are excellent for providing daylight to your building interior, and improving the indoor environment. The Apus North Light is specially designed to transmit indirect daylight.

Whether viewed from outside or inside, its neat design enhances your building's overall architectural impression. Made of inorganic materials, Apus is tough and durable, and will match your specific needs.

The Apus North Light has the market's lowest U-value, helping you save up to 40% in heating costs compared with traditional skylights. Apus also has a highly insulated upstand that minimizes heat loss. Unlike other manufacturers, Primalux will calculate the U-values for using this skylight in your project, and show you the potential savings on your energy costs (see U-value section overleaf).

Apus comes with one glass side, which is free of structural profiles. It has an opening system for natural ventilation. Apus is supplied fully finished and ready to be installed.

This skylight is particularly appropriate for schools, office buildings and factories.

Primalux products are made in Denmark by Primalux A/S, a European market leader in bespoke rooflight 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.

- Size: Depends on the glass strength, as the glass is without structural profiles.
  If structural profiles are requested, Apus can be supplied with TAS profiles

- Upstand: Frame height:
  - Fibreglass upstand: 300 mm - 500 mm.
  - Upstand (timber): From 200 mm with jumps of 50 mm.
  - Frame height is measured vertically.

  Thickness of upstand:
  - Fibreglass: 23 mm and 43 mm
  - Timber: 9 mm plywood/45 mm insulation/9 mm plywood.
  - Low maintenance coatings: powder-coated steel plate in any RAL colour
  - Vertical upstand: free light opening= roof opening
  - Fibreglass upstand: free light opening= roof opening minus 200 mm.

FIBREGLASS UPSTAND

Light (roof) opening, mm	Roof opening, mm
880 x 1930	1080 x 2130
1000 x 2000	1200 x 2200
1200 x 1800	1400 x 2000
1200 x 2400	1400 x 2600
1600 x 1600	1800 x 1800
1800 x 1800	2000 x 2000

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:

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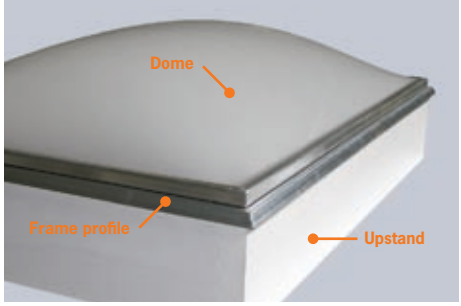
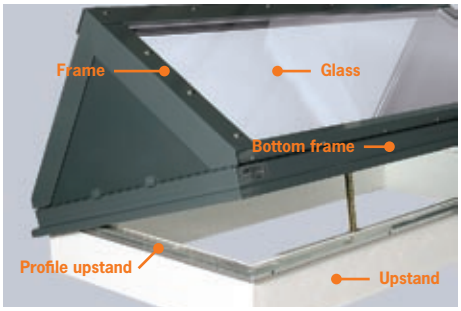


Example of where heat loss must be calculated on an acrylic dome skylight



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

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