



**PROVEN FOR  
ENERGY EFFICIENCY**



# Leo

## PLANE GLASS SKYLIGHT

Beautifully designed, the Leo helps maximize the daylight inside your building, improving the indoor environment. Its elegant, durable construction also enhances your building's overall architectural impression.

This is the most energy-efficient glass skylight available in the UK, reducing heating costs by up to 40% compared with traditional skylights. Its highly insulated upstand helps to minimize heat loss. Unlike other manufacturers, Primalux will calculate the U-values for using Leo in your specific project, and show you the potential savings on your energy costs (see U-value section below).

Leo is made of the highest quality materials (all inorganic), with great attention to detail. It can be adapted to suit the specific needs of your project. It's available in various sizes up to 1000x2000mm and is supplied with an opening function for natural ventilation.

Leo is delivered fully finished by Primalux and is ready to be installed on your building.

This skylight is suitable for schools, homes and smaller offices, on roofs slanted up to 70°.

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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.*

Size: Up to 1000 x 2000 mm.  
(Depends on load on glass, some restrictions may occur).

Upstand: If the roof is  $<7^\circ$  the upstand must be cut beveled to  $7^\circ$  to prevent water ingress.

Frame height:

- Upstand (timber): from 200 mm with jumps of 50 mm.
- Frame height is measured vertically.

Thickness of frame:

- Timber: 9 mm plywood/45 mm insulation/9 mm plywood.

Vertical upstand: free light opening = roof opening

Height depends on insulation depth.

## 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:**

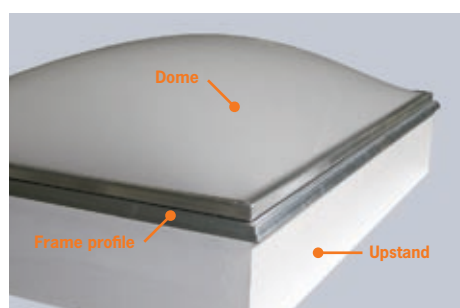
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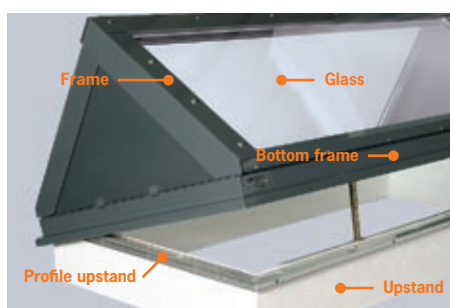
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Example of where heat loss must be calculated on an acrylic dome skylight



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



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