Honeycomb thermal blinds

LanternLITE™
The Honeycomb Overhead Roof Blind

Orangeries, Atriums and conservatories are a fantastic way to open up your home bringing light and openness into your home. These glass roofs bring natural light and free solar energy into the home. However, in order to receive the maximum benefit from your roof window you will need to find a way to control your environment.

Without a ROOF LANTERN blind you are very likely to experience the following:-

Heat Gain in the Summer

TRANSMITTANCE: The suns rays pass through the glazing, hit objects in the room eg walls, furniture which absorb the radiation and radiate it back into the room: otherwise known as the GREENHOUSE EFFECT.

Heat Loss in the Winter

Even with the heating on you may find your orangery is cold during the WINTER and first thing in the morning and last thing at night.
Heat is lost through:-
CONDUCTION (Loss of heat through the glass of the window)
CONVECTION (THE DRAFT LOOP: Loss of heat through warm room air reaching the glass, cooling then cool air falling back into the room for you to have to re-heat)
AIR LEAKAGE (Heat lost through cracks in the frame or from ill fitting glass)

Glare

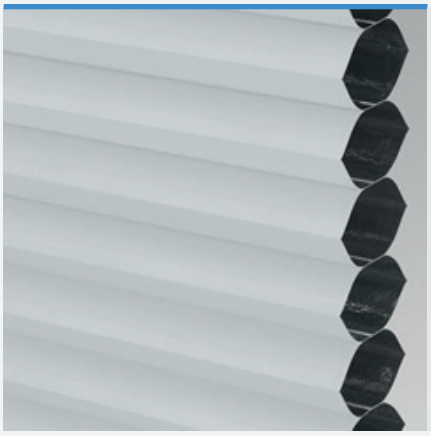
Harsh sunlight which prevents you watching tv and strains the eyes.

The only way to control the above is to invest in either an external window covering, or an internal horizontal blind such as the LanternLITE™ Honeycomb roof blind.

The LanternLITE™ Honeycomb roof blind is a cellular blind housed within its own frame. This frame then sits on L shaped angle brackets which are fixed within your roof lanterns reveal to create a sleek shelving system. The Honeycomb LanternLITE™ is available in both Antiglare and Blackout fabric and also in a choice or manual, hard wired electric or battery solar powered electric so it is a very versatile blind.

LanternLITE™ Honeycomb
Antiglare THERMAL fabric

LanternLITE™ Honeycomb
BLACKOUT THERMAL FABRIC
(FOIL LINED)



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Technical Information on LanternLITE™ Honeycomb blinds

LanternLITE™ The Honeycomb Overhead Roof Blind	TS	Reflection	Absorption	UVB
Honeycomb Blackout White	0% solar 0% visible	77% solar 76% visible	23% solar 24% visible	100%
Honeycomb Antiglare White	23% solar 24% visible	71% solar 72% visible	6% Solar 4% visible	78%

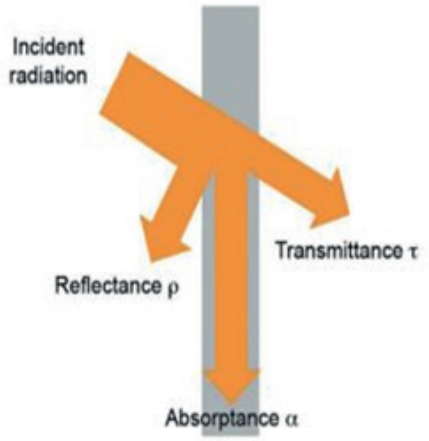
*Information courtesy of Louvolite 2019

TS: Transmission of Light and Heat through the fabric

Reflection: Reflection of Light and Heat by the fabric

Absorption: Absorption of Light and Heat by the fabric

UVB: % of UVB light blocked out by the fabric



BBSA
BRITISH BLIND & SHUTTER ASSOCIATION

The BBSA best practice on using solar shading to maximise energy savings

Summer

- ✓ Close the blinds at night on the east and south-east elevations to protect from early morning heat gains
- ✓ Open the blinds at night on the west and north-west elevations to assist night time cooling

Winter

- ✓ Close the blinds after the sun goes down to retain heat
- ✓ On sunny days open the blinds to maximise the heat gains from the winter sun