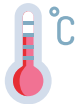


Orangeries, Atriums and conservatories are a fantastic way to open up your home bringing light and openness into your home. These glass roofs bring natural light and free solar energy into the home. However, in order to receive the maximum benefit from your roof window you will need to find a way to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

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

Heat Gain in the Summer



TRANSMITTANCE: The sun's 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™ Zip roller blind or LanternLITE™ Honeycomb roof blind. Both LanternLITE™ systems offer a fantastic solution for both temperature and light control home.

[Click here to see case study](#)

So why LanternLITE™ blinds?

We are so proud to be the innovative company who have developed and manufacture the LanternLITE™ roof blind system. Roof lantern blinds are not a new concept by any means. You can go to a handful of specialist and expensive companies who will come round to your house and measure and fit for you similar products. But we have recognised that this solution is not for everyone and some people like to be in control of their installation and their budget! DIY LanternLITE™ blinds offer you a hard-working, robust product which looks professional whilst saving you thousands of pounds by cutting out the middle man and ordering directly from the factory. We have 2 LanternLITE™ products. The LanternLITE™ Zip roller blind and the LanternLITE™ Honeycomb blind. In this guide we will explore both options in depth so you can choose which LanternLITE™ blind is right for you.

The LanternLITE™ Zip roller blind

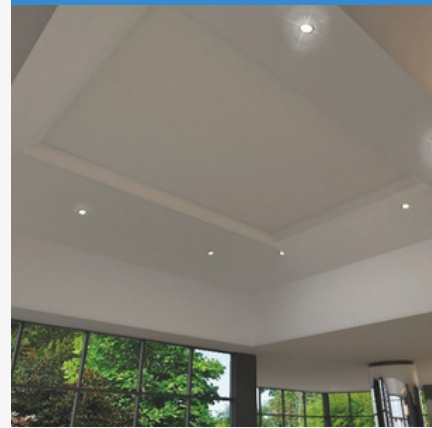
The LanternLITE™ Zip roller blind is a tensioned zip roller blind enclosed within its own cassette and side channels. It is a sleek looking system which is visibly wire free and is available in Antiglare thermal and blackout thermal fabric. Both types of fabrics have their own benefits and you should choose which fabric you require depending on the main purpose of your room. Due to the robust and heavyweight construction of the zip LanternLITE™ we only recommend having it mains electric powered. This ensures smooth operation and longevity of the product.

Antiglare WHITE






Ideal for living areas, kitchens, orangeries etc

BLACKOUT WHITE



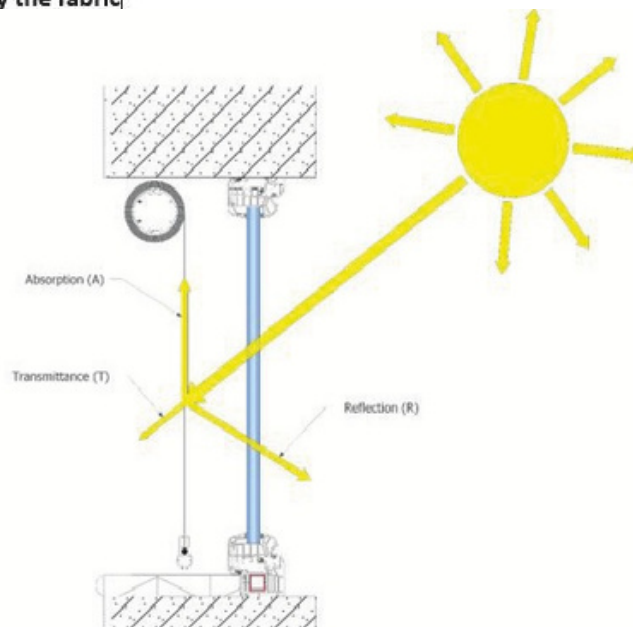
Ideal for bedrooms, cinemas, tv rooms

LanternLITE™ Zip roller blind technical information

	<u>TS</u>	<u>Reflection</u>	<u>Absorption</u>	<u>UVB</u>
Blackout White 	0% solar 0% visible	70% solar 84% visible	30% solar 16% visible	100%
Antiglare White 	18% solar 16% visible	70% solar 81% visible	12% solar 3% visible	95%

*Information courtesy of Decora blinds 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**



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 heat gains from early morning.
- Open the blinds at night on the west and north-west elevations to assist night time cooling.



Winter

- Open the blinds during the daytime to maximise heat gain from the winter sun and close blinds at night.
- Close the blinds after the sun goes down to retain heat indoors.

Figure 6. The BBSA best practice guide on using solar shading to maximise energy savings