



SKYLIGHTBLINDS
DIRECT™



THE ULTIMATE GUIDE TO


LanternLITE™
BLINDS

skylight-blinds-direct.co.uk

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:-

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**



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)



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



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 types of LanternLITE™ blinds, the Zip roller blind and the Honeycomb blind. We will explain both blinds for you in more detail here.

The LanternLITE™ Zip roller blind

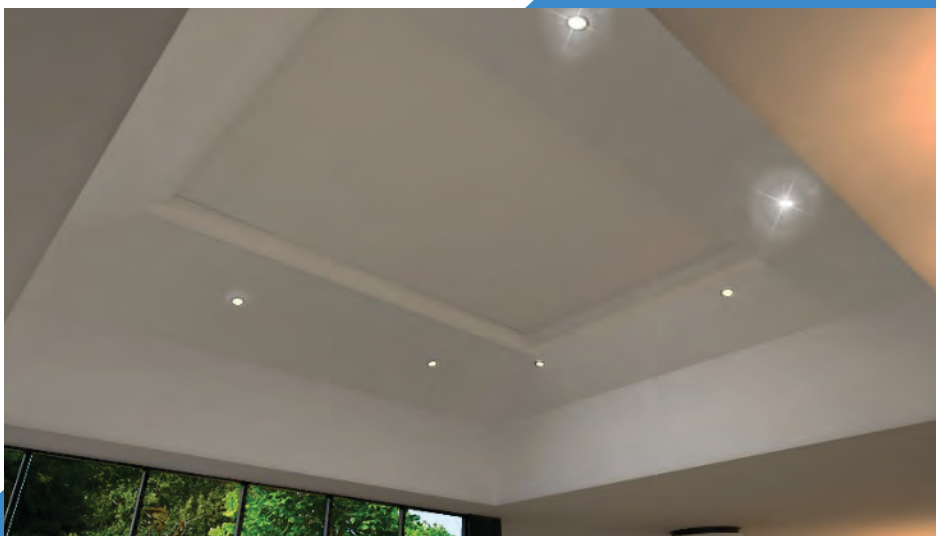
The LanternLITE™ Zip roller blind is a tensioned zip roller blind enclosed within its own cassette and side channels. It is a sleek looking system which is visibly wire free and is available in Antiglare thermal and blackout thermal fabric. Both types of fabrics have their own benefits and you should 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

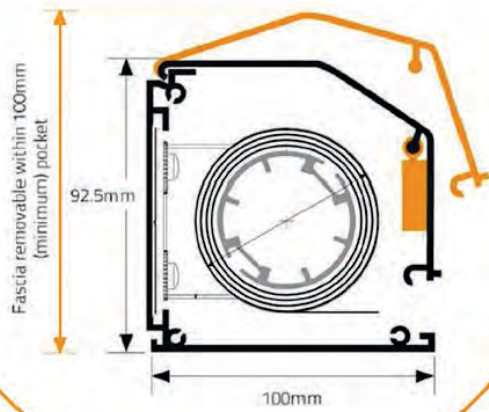
BLACKOUT WHITE



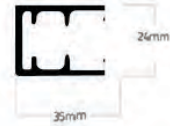
Ideal for bedrooms, cinemas, tv rooms

PROFILE DIMENSIONS

Cassette



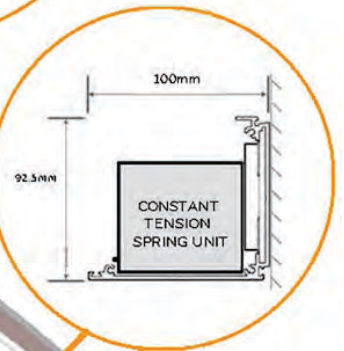
Side Channel



NEW
fabric locked in side channels



N.B. This diagram is for illustration purposes only



ULTIMATE CONTROL

* Recommended method

- European-made motors
- Hardwired or radio control
- BMS integration available



STRONG

Crank handle operation

* For srm, 1/., sizes

100mm
CONSTANT
TENSION

- German-made gearbox
- 3.5Nm lifting force
- 3:1 reduction gear

Common Questions about LanternLITE™ Zip roller blinds

1. Do you see visible wires?

No! This blind is visibly wire free.

2. Can I have this blind manual or battery operated, I don't have any power?

No! Unfortunately due to the size of this system, it is only available mains powered.

3. What power do I need in my window recess?

Just a normal fused spur. The Somfy Sonesse motor we use is class II rated so no earth is required. Please see wiring diagram below.

Wiring diagram for LanternLITE™ zip roller blind (Radio RTS operated : ie remote control operated)

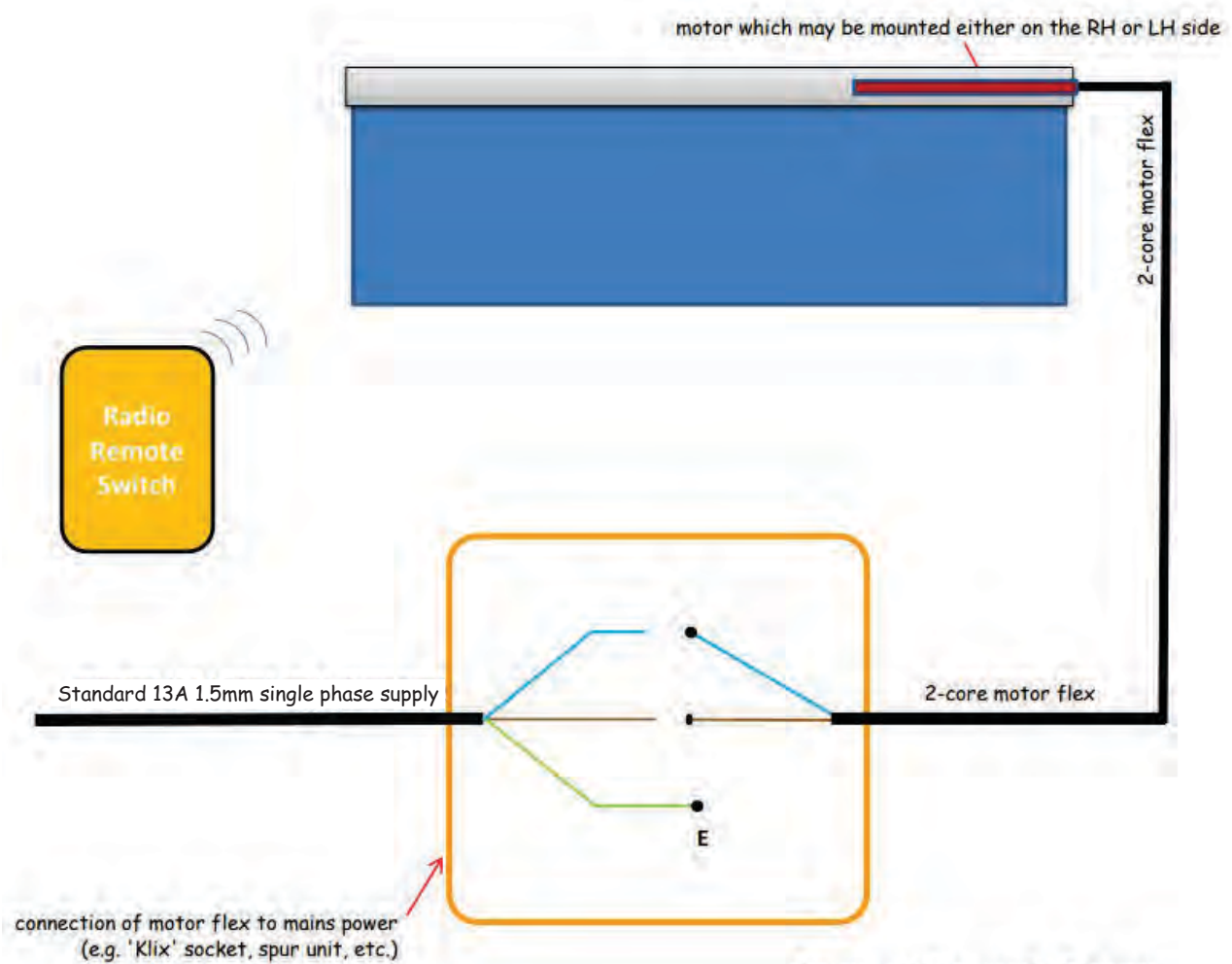




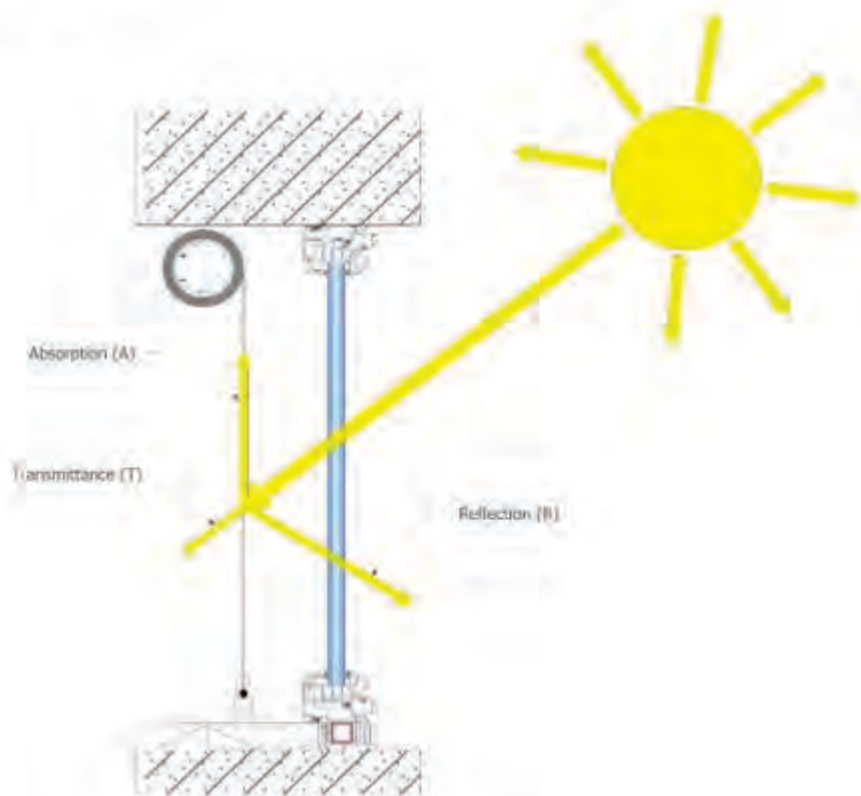
Diagram based on using Somfy motors

LanternLITE™ Zip roller blind technical information

LanternLITE™	<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 LanternLITE™ Honeycomb 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!

The LanternLITE™ Honeycomb blind is a cheaper alternative to the Zip roller blind. But this does not detract from its attractive design and unique look. Specifically designed to help with heat gain and heat loss, the fabrics octagonal cells trap air within their structure creating a strong barrier between the room underneath and the world above the blind. During the winter this allows you to lock in the heat within the room without it escaping through non thermal glass. Equally these blinds work hard during the summer too! A light reflective backing redirects the suns harshest rays back out of the glass keeping your room cool and glare free!

Antiglare fabric



(ideal for orangeries, living rooms & kitchens)

Blackout thermal fabric

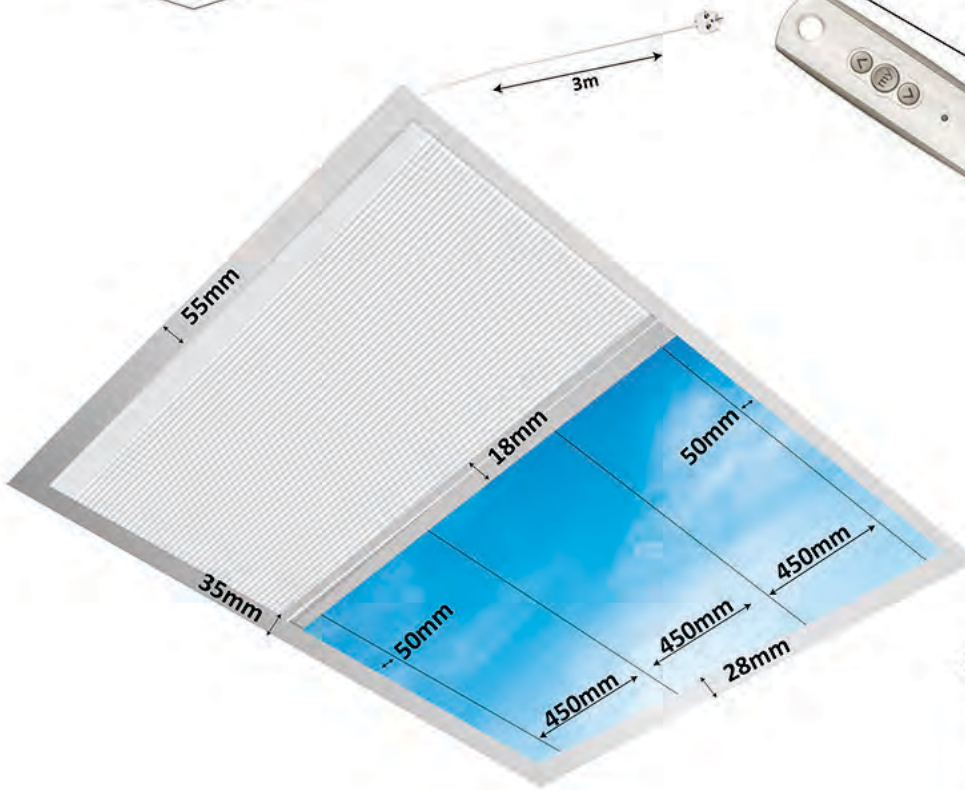


(ideal for bedrooms, tv rooms and cinema rooms)

LanternLITE™

The Honeycomb Overhead Roof Blind

available in sizes up to 3m x 8m



Electric operation

Plug in hard wired



Solar powered

OR

Manual operation

CRANK OPERATED

WAND OPERATED

Fabric Options

ANTIGLARE

BLACKOUT

Thermal
keeping you cool in the summer and warm in the winter

Guide wires

There will always be 2 support wires
(1 wire 50mm in from each side of the blind)
There will also always be 1 guide wire every 450mm
Equation : $Width - 100mm = xxxmm / 450 = x.xx + 2$
Eg: 1934mm wide blind will have $1934mm - 100mm = 1834mm / 450mm = 4.07$ wires
(if this is .5 or greater then round up eg 4.5 = 5, 4.07 = 4)
so 4 + 2 this blind will have 6 wires.

Common Questions about LanternLITE™ Honeycomb roof blinds

1. How deep is the stack when the blind is stacked all the way to the end ANTIGLARE FABRIC

1cm stack of fabric = 60cm length when extended.

Therefore if you have a window that is 300cm long

$300 / 60 = 5\text{cm}$. Don't forget you need to add on the depth of the frame which is 3.5cm then take into account any fixings eg the angle shelf. So if you add on 4cm that should be enough.



BLACKOUT FABRIC

1cm stack of fabric = 50cm length when extended.

Therefore if you have a window that is 300cm long

$300 / 50 = 6\text{cm}$. Don't forget you need to add on the depth of the frame which is 3.5cm then take into account any fixings eg the angle shelf. So if you add on 4cm that should be enough.



2. Do you see visible wires?

Yes! Our guide wires are a robust 1.5mm steel which is sheathed in a white rubber sheath which makes them attractive to look at and extremely hard wearing.

3. How many guidewires will my blind have?

Our Honeycomb LanternLITE™ blinds are supported by very fine steel guidewires. These wires guarantee that your blinds will not sag and will work fantastically for many years to come. There are questions surrounding these wires though. There are always 2 x wires situated 50mm in from each side of the blind. These wires are the wires that pull the blind backwards and forwards. Then depending on the width of the blind there are always support wires distributed through the body of the blind. These wires are not visible when the blind is closed (ie is across the window), but they are visible when the blind is open. There is always one wire every 450mm.

Equation for guide wires

Width - 100mm = xxxxmm / 450 = x.xx + 2.

There will always be 2 filis (support wires) 1 filo 50mm in from each side hence why we take 100mm off.

Eg. $1934\text{mm} - 100\text{mm} = 1834 / 450 = 4.07$ (if this is .5 or greater then round up eg $4.5 = 5$) + 2 = 6 so this blind should have 6 filis.




4. Can I have this blind manual or battery operated, I don't have any power?

Yes. Our fantastic Honeycomb LanternLITE™ system is available as mains powered, battery/solar operated and manual operated (either crank or wand operated).

5. What power do I need in my window recess if I go for mains operated?

The motor in the blind is a low voltage motor which has a 3 pin plug attached to it. This plug has a transformer inside it and it needs to be plugged in to a domestic 3 pin UK plug socket. We advise for this socket to be fitted above the blind as this is the neatest place to fit it.

Technical Information on LanternLITE™ Honeycomb blinds

 <small>The Honeycomb Overhead Roof Blind</small>	<u>TS</u>	<u>Reflection</u>	<u>Absorption</u>	<u>UVB</u>
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



Which LanternLITE™ roof blind should you choose?

LanternLITE™ blinds are our answer to the inherent problems associated with roof lanterns and other glass roofing systems such as skypods, atriums, roof domes, pyramid windows etc. You have a choice of Antiglare fabric or Blackout fabric and also the choice of hard wired electric operation, battery operation and manual operation too (LanternLITE™ Zip blind is only available in hard wired electric). Our LanternLITE™ blinds are MADE TO MEASURE and can accommodate most roof sizes.)

LANTERNLITE™ HONEYCOMB vs LANTERNLITE™ ZIP

	LanternLITE™ Zip Roller blind	LanternLITE™ Honeycomb blind
Available in blackout thermal fabric	✓	✓
Fabric is “zipped” therefore blind is 100% blackout	✓	X
Available in antiglare thermal fabric	✓	✓
Antiglare fabric is transparent Visibly wire free	✓	X
Available in manual operation	X	X
Available in battery/solar operation	X	✓
Available as mains powered operation	✓	✓
Compatible with home automation (Amazon/Google)	✓	✓
Physical size of product	10cm deep headbox & Footbox (make sure you have room)	3cm deep all the way around (fits in small places)
DIY	✓	✓
5 year guarantee	✓	✓
Lead time	5-7 working days	12-16 working days
Sizing	3.6m x 4.1m (max 9 sq m)	3m x 8m

How do I go about ordering?

1. Once you have chosen which type of LanternLITE™ blind you would like, please request a quotation/order form (this form is downloadable from the website or we can email you one on request).
2. It is easy to measure! You simply choose where in the roof space you want to fit your blind and you measure the width in 3 places and the length in 3 places with a metal tape measure.
3. Once you have measured and answered all the questions thoroughly, please submit your form to team@skylight-blinds-direct.co.uk and we will send a quote over to you.
4. If you have not already had free samples of your desired fabric, we recommend that you order some (to ensure you are happy with the quality and colour of the fabric).
5. If you are happy with the fabric and the quote we will then send you a pro forma invoice.
6. Once this is paid we get your order straight into production with our factory.
7. We will give you current estimated lead times before you pay so you can plan ahead when you are going to fit you blind
8. Our blinds are fully covered by a 5 year guarantee, made right here in the UK and manufactured in our BBSA accredited factories. All parts are high quality and all motors are world renowned and highly respected Somfy motors.



We would love to hear from you!

Please contact us at

team@skylight-blinds-direct.co.uk

or call us on 0800 008 6293