

## HINGED OPENING LUXLITE®: INSTALLATION INSTRUCTIONS

THANK YOU FOR CHOOSING TO PURCHASE A ROOF MAKER LUXLITE®.  
PLEASE FOLLOW THESE STEPS TO COMPLETE YOUR INSTALLATION.



### ASSEMBLY PROCEDURE GUIDANCE

Make sure to read through all steps and understand all requirements before beginning assembly.

In addition to your LUXLITE®  
you will need:

- Silicone Adhesive Sealant  
(high quality; Dow Corning 791  
suggested)
- Drill, bits and screws as required

Please take precaution when moving  
heavy objects and working at height; be  
sure to use correct equipment.

### GUIDE WEIGHTS

Size (mm)	Weight (kg)
400x400	16
600x600	32
700x900	60
1000x1000	90
700x1400	95
1200x1500	165
1000x2000	185
1200x2400	200
1000x3000	210

# ROOF MAKER

WORLD CLASS ROOFLIGHTS

Call us: 0116 269 6297  
Mon-Fri 9-5pm, Sat 10-4pm

## STEP ONE

### FIT TRIMMERS TO YOUR JOISTS

The internal dimensions of the aperture created by your trimmers and joists should be 130mm wider than the LUXLITE® you ordered. (e.g. for 2000x1000mm LUXLITE®, the internal dimensions of your aperture should be 2130x1130mm). See the cross section fitting guide at the end of this document for more detail.

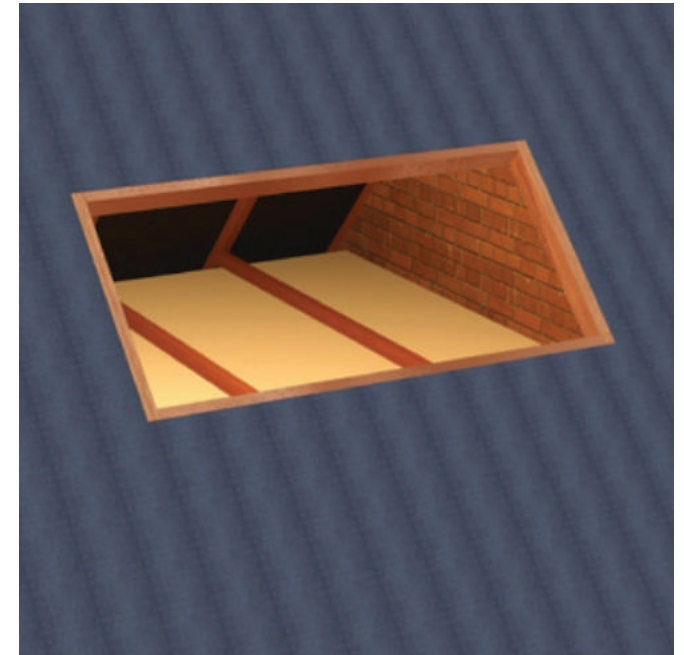
Fit trimmers across the joists adjacent to the aperture, and a beam across the trimmers, as shown. These additional structural members will support the tile battens around the rooflight.



## STEP TWO

### FIT FLASHING TO YOUR ROOF

Fit flashing to your roof. The flashing should extend to the rim of the aperture where your LUXLITE® will be installed. Seal the flashing to the timber around the aperture.



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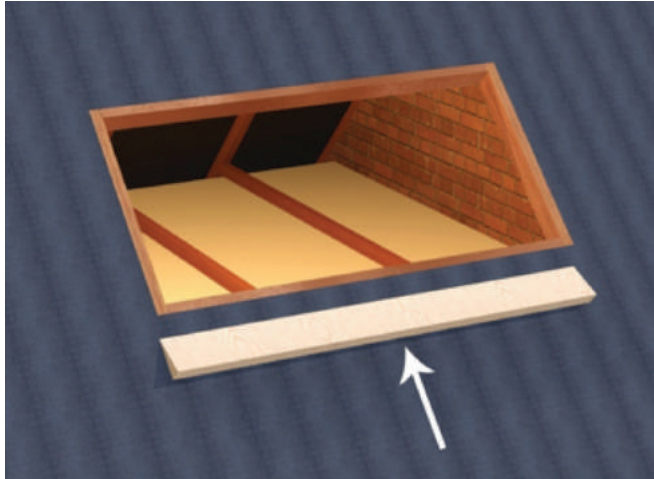
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## STEP THREE

### PREPARE AND FIT A WEDGE BELOW YOUR APERTURE

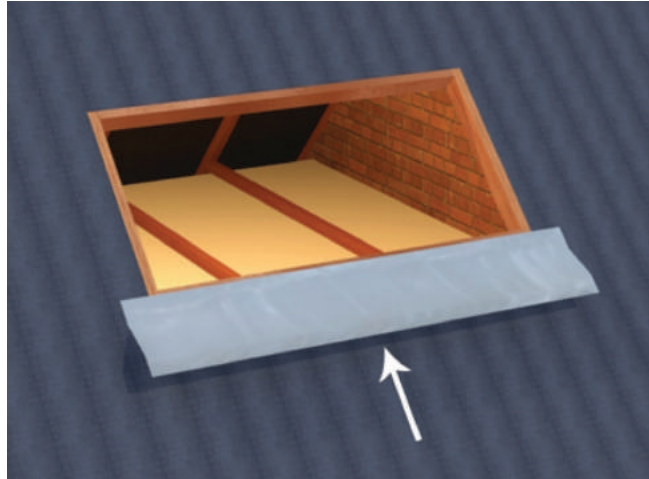
The bottom of the wedge should meet level with the tiles that will be installed later. This can be determined by trial fitting the LUXLITE® assembly.



## STEP FOUR

### COVER THE WEDGE WITH FLASHING

Cover the wedge installed in the previous step with flashing (flashing and wedge not provided).

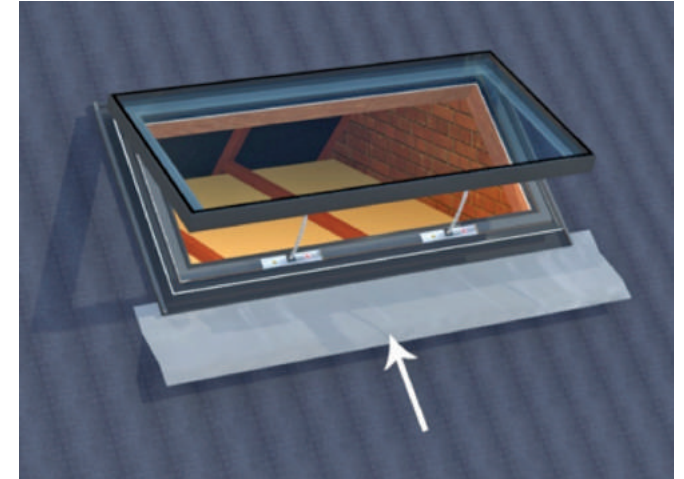


## STEP FIVE

### BRING YOUR LUXLITE® INTO POSITION

Bring your LUXLITE® into position and align it so that it is centred on your aperture.

Seal the interface between the LUXLITE® and the aperture with silicone.





# ROOF MAKER

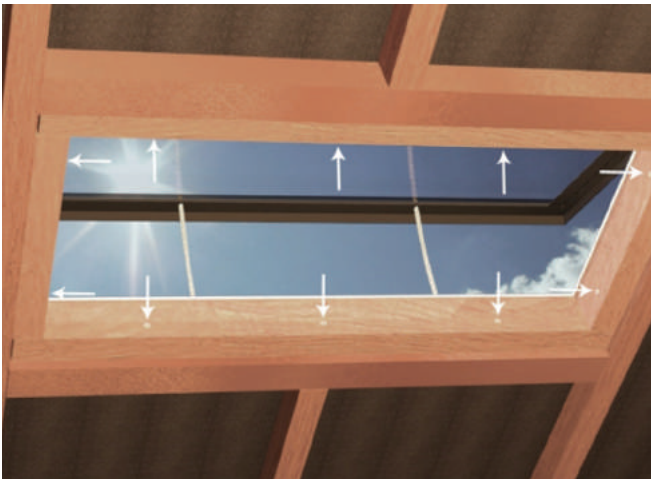
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## STEP SIX

### FIX YOUR LUXLITE® TO YOUR ROOF

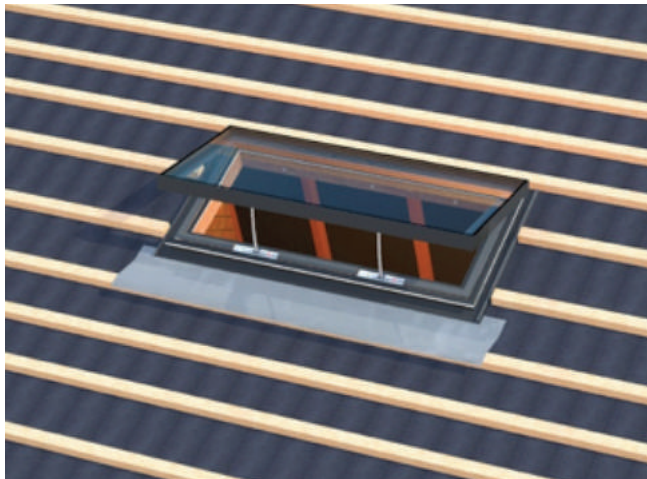
Fix your LUXLITE® to your roof. Refer to the assembly section view in the appendix at the end of this document for more detail.



## STEP SEVEN

### FIT BATTENS TO YOUR ROOF

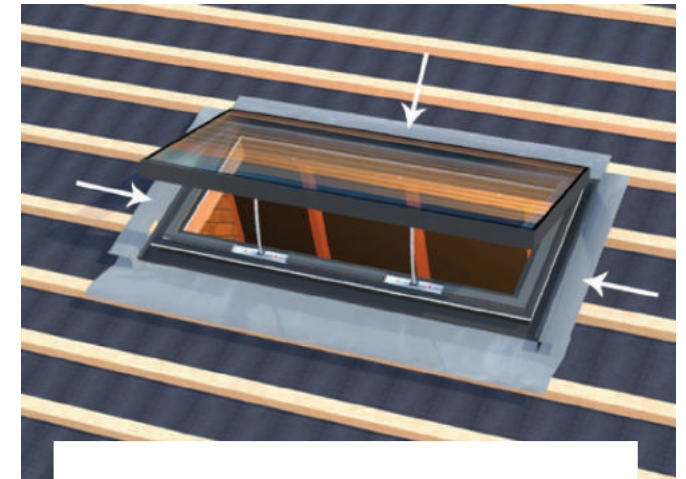
Tile battens can now be fitted to your roof. The battens should be flush with the edge of the LUXLITE® aluminium apron.



## STEP EIGHT

### FIT FLASHING TO COVER THE BATTENS

Seal beneath the lip of the apron, drape over battens. Tiles will sit over this flashing. (Note: side flashing is only required when using pantiles).



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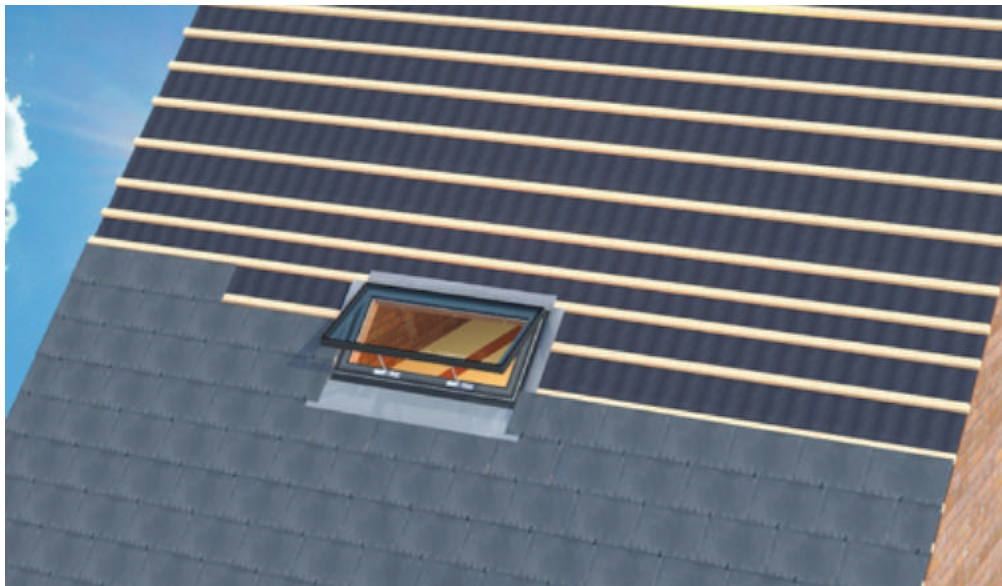
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## STEP NINE

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### FIT TILES TO YOUR ROOF

You are now free to fit tiles to your roof. The LUXLITE® has been designed so that your roof tiles can overlap the apron, leaving little aluminium exposed for a minimalistic aesthetic.



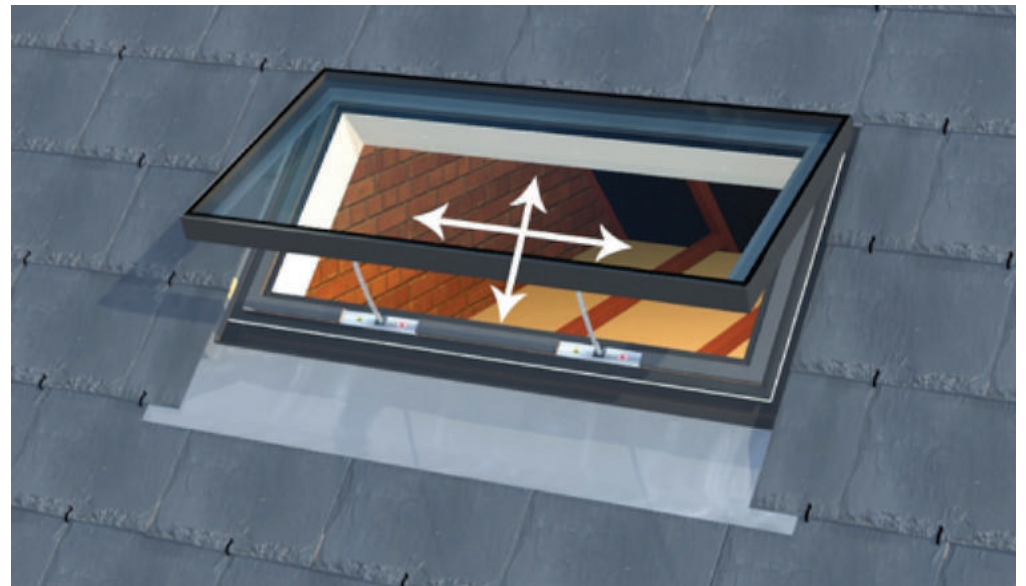
## STEP TEN

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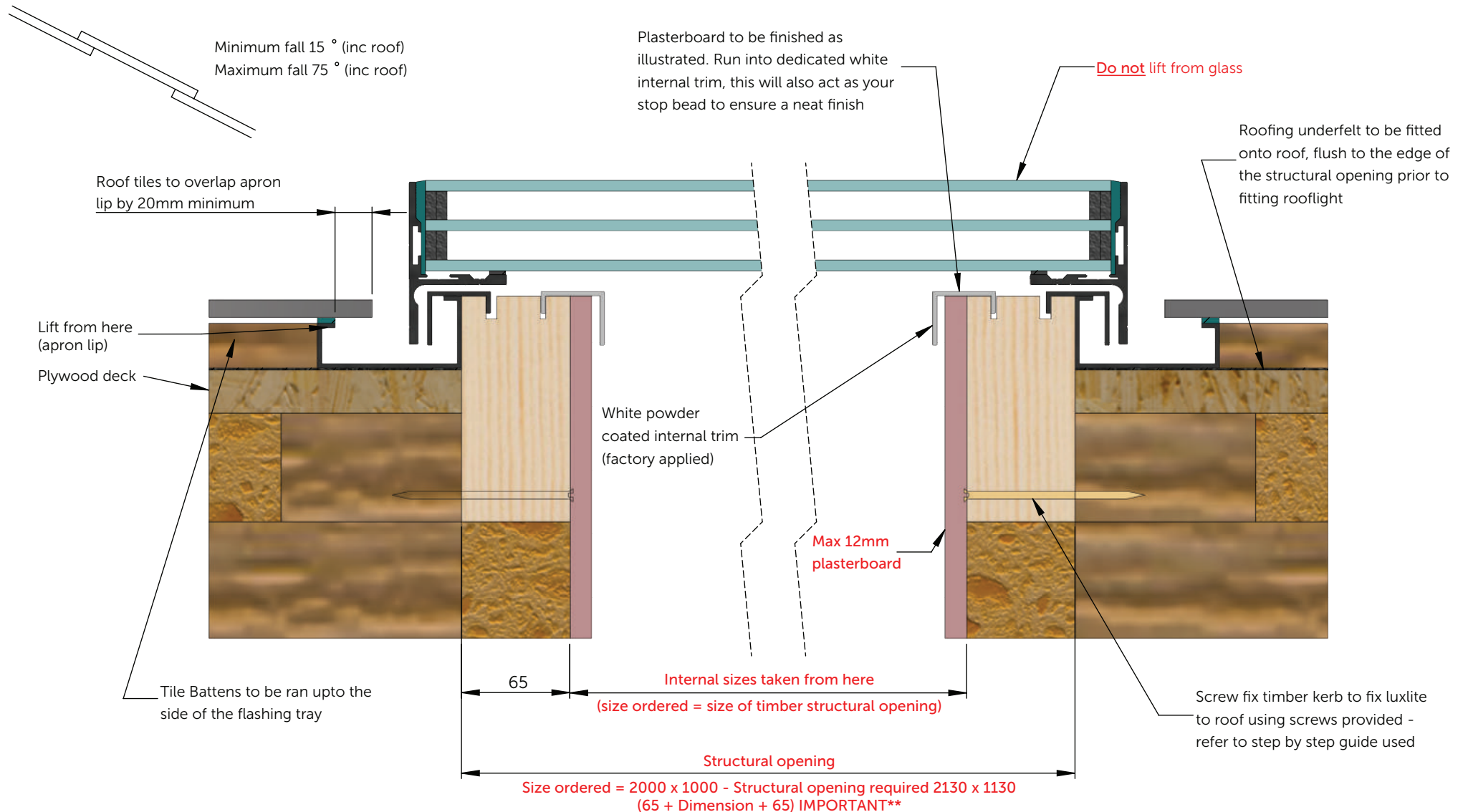
### PLASTERBOARD TO FINISH YOUR LUXLITE® ASSEMBLY

Apply plasterboard to the internal faces of your aperture. The plasterboard is to be applied up to the internal trim of the LUXLITE® (for plastering finish guidelines, please follow the cross section fitting guide, included at the end of this document).

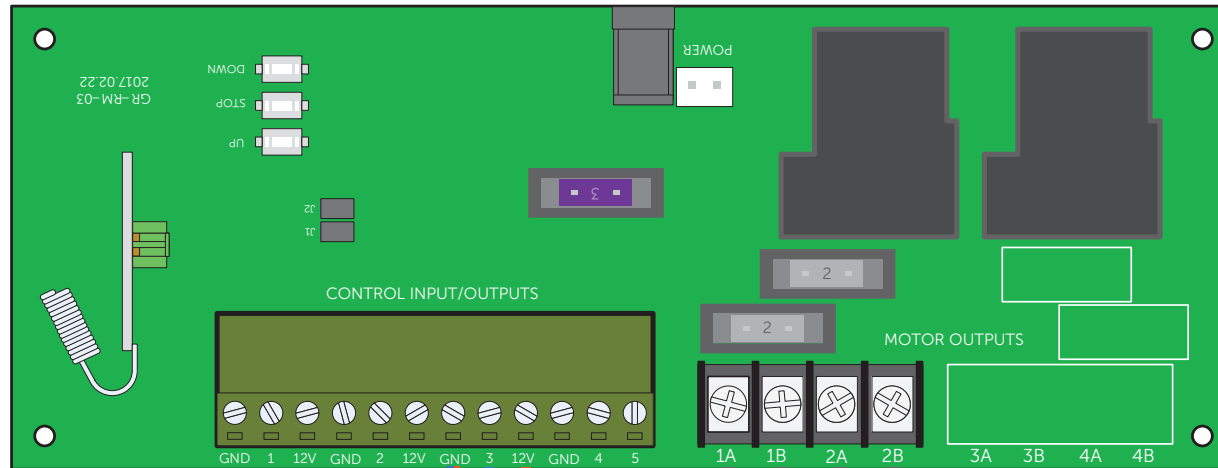
Congratulations! Your LUXLITE® is now fully installed.



## CROSS SECTION FITTING GUIDE



## REMOTE CONTROLLED ROOFLIGHT WIRING GUIDE



### Control Input/Outputs Key

GND: Ground (-ve)

12V: **+12V DC regulated supply**

#### 1: Safety Switch Signal Input

Connect to any ground, GND, to stop/switch off the output

#### 2: Thermostat Signal Input

Connect to any ground, GND, to switch output to 'down'

#### 3: Rain Sensor Signal Input

Connect to any ground, GND, to switch output to 'down'

#### 4: Control up

Connect via switch any ground, GND, to switch output to 'UP'

#### 5: Control down

Connect via switch any ground, GND, to switch output to 'DOWN'

### Kemo Rain Sensor

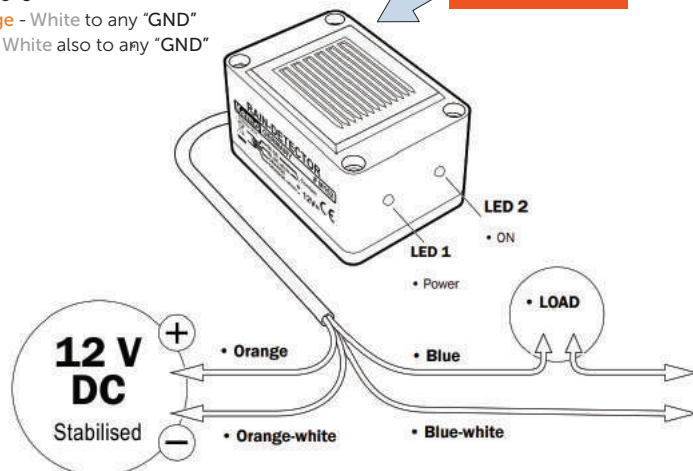
Connect:

Orange to any "12V"

Blue to "3"

Orange - White to any "GND"

Blue - White also to any "GND"



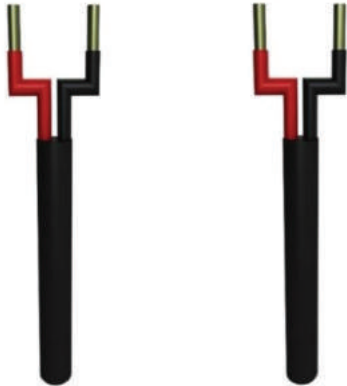
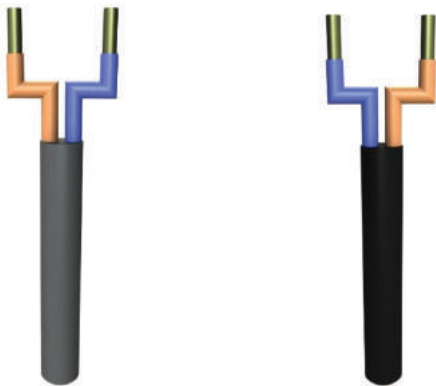
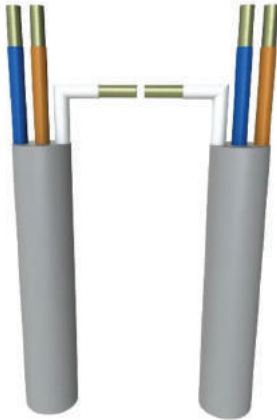
Outputs to actuator(s). If only using one actuator then either of the output pairs 1A and 1B or 2A and 2B can be used. Each numbered output is individually fused and is capable of supplying up to 2.1A continuous at 24VDC. The polarity at each output inverts when swapping between 'up' and 'down'. Outputs 3 and 4 are not used (cables here shown as grey – please see overleaf, which shows where cables need to be wired into the output pairs, which is dependent on the type of rooflight being installed).

### WARNING

Ensure that the combined load at the three "12V" output terminals does not exceed 1A. A single Kemo rain sensor should consume less than 0.2A, so if using a rain sensor there should be a further 0.8A available at 12VDC (~9W) to also operate thermostats, safety sensor switches and similar devices. **DO NOT** connect any 12V directly to any GND, or any of 1, 2, 3, 4, 5 to any 12V

REMOTE CONTROLLED ROOFLIGHT WIRING GUIDE

The chart below shows the different wiring combinations you will be working with, dependant on the type of rooflight you are installing. This is specified below each variation of wire shown. Open-Lite has been shown as 2 cables which will always be the case. For sliding rooflights, there will always be 2 cables that you will wire in to output pairs 1A-1B & 2A-2B. For Flat hinged opening and Luxlite hinged opening rooflights, you will either have 1 set or 2 sets of actuator cables dependant on the amount of motors that your rooflight has been allocated. For single motor units, you can use either 1A-1B or 2A-2B and for 2 motors you will use both output pairings.

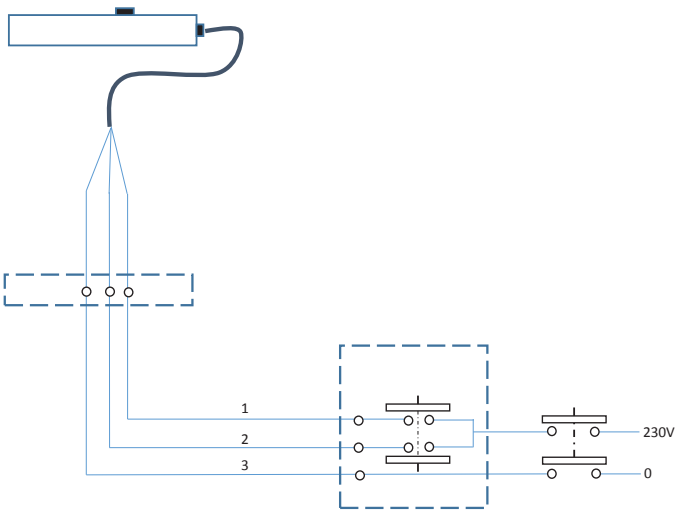
<div><div>1A 1B</div><div>2A 2B</div><div></div></div>	<div><div>A B</div><div>A B</div><div></div><div>If actuator cabling is grey</div><div>If actuator cabling is black</div></div>	<div><div>1A 1B</div><div>2A 2B</div><div></div><div>*Communication wires to be connected to each other. All other wires not illustrated above are not required</div></div>
All Sliding rooflights	Flat Hinged Opening & Luxlite Hinged Opening	Open-Lite (roof access)



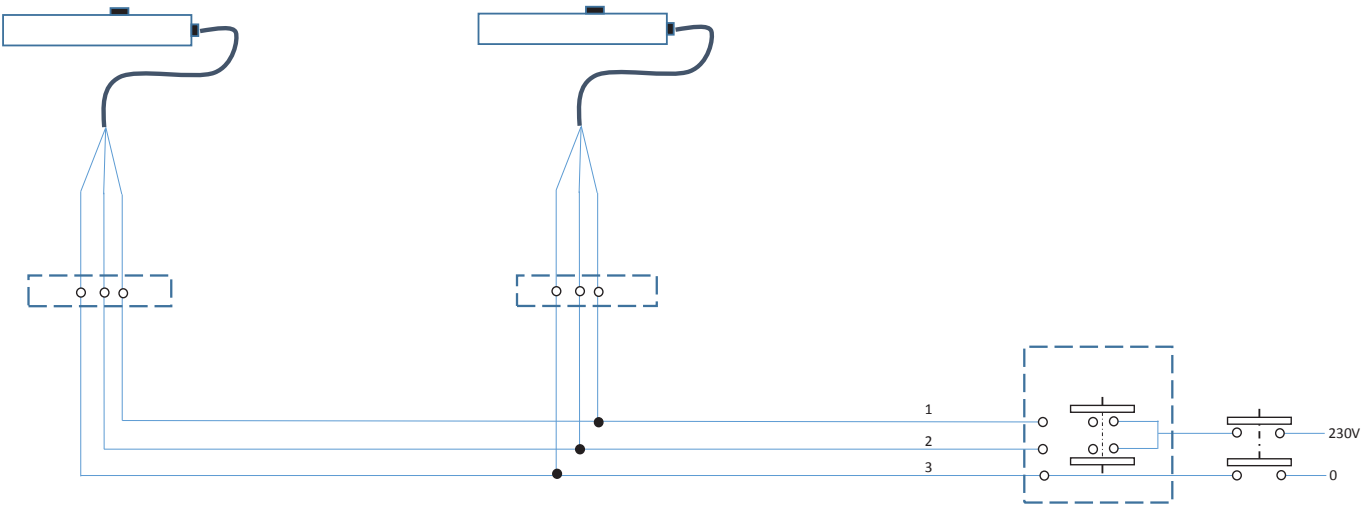
ROCKER SWITCH WIRING DIAGRAMS (3 CORE)

NOTE: THE TYPE OF MOTOR YOU RECEIVE IS JUSTIFIED BY THE SIZE OF THE ROOFLIGHT ORDERED.

3 CORE - SINGLE MOTOR



3 CORE - MULTIPLE MOTORS



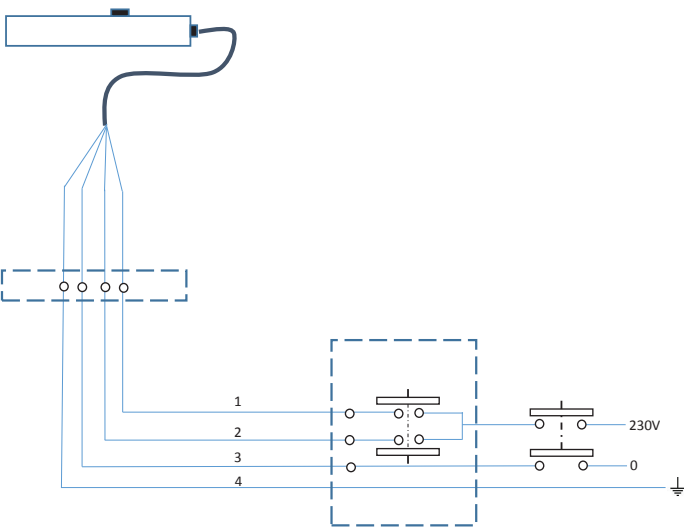
Colour	Number	Signal
Brown	1	Opens
Black	2	Closes
Grey	3	Common

Refers to both single and multiple motors.

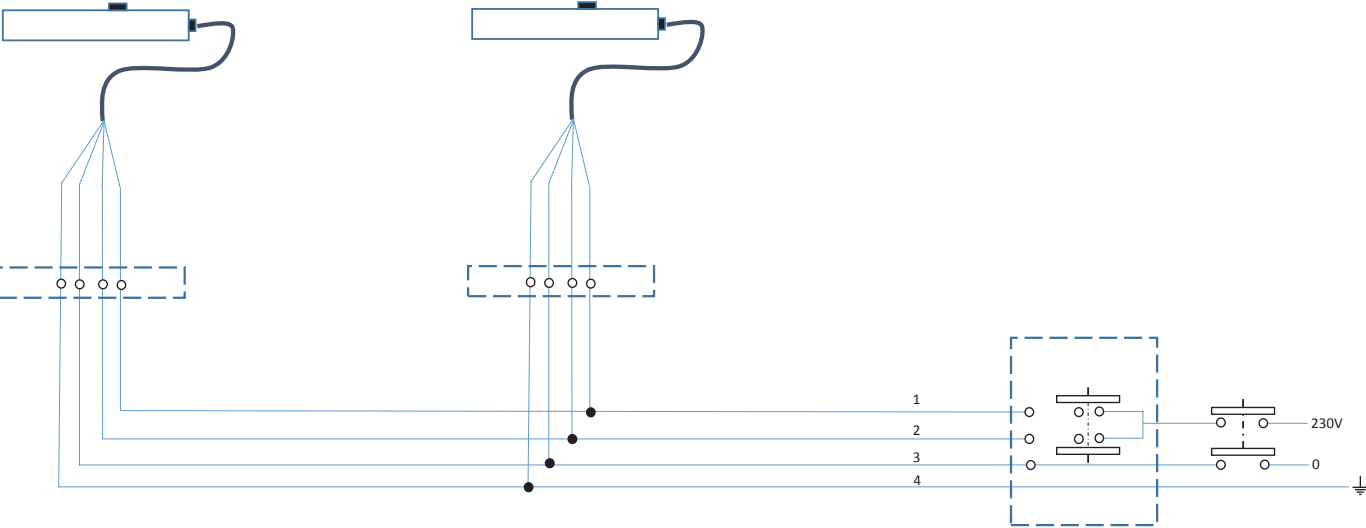
ROCKER SWITCH WIRING DIAGRAMS (4 CORE)

NOTE: THE TYPE OF MOTOR YOU RECEIVE IS JUSTIFIED BY THE SIZE OF THE ROOFLIGHT ORDERED.

4 CORE - SINGLE MOTOR



4 CORE - MULTIPLE MOTORS



Colour	Number	Signal
Brown	1	Opens
Black	2	Closes
Blue	3	Common
Yellow/Green	4	Ground

Refers to both single and multiple motors.