ROOF MAKER

WORLD CLASS ROOFLIGHTS

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SLIDE OPENING SLIMLINE® & PYRAMID LANTERN: INSTALLATION INSTRUCTIONS

ON DELIVERY OF YOUR NEW SLIDE OPENING ROOF LANTERN, YOU WILL RECIEVE;

- Your Slide Opening Roof Lantern
- Control box (comes in cardboard box)
- Remote control and key remote (comes in cardboard box)
- Long Screws (come attached to the cardboard box)

IN ADDITION TO YOUR NEW SLIDE OPENING ROOF LANTERN, YOU WILL NEED;

- Silicone Adhesive Sealant (high quality; Dow Corning 791 recommended)
- Drill, bits and screws as required
- Materials to prepare a timber kerb

INSTALLATION GUIDE

Make sure to read through all steps and understand all requirements before beginning assembly. We also recommend that you study the 'cable location guide' which provides further guidance on how to run the rooflight cabling into the property as part of the installation. This is located at the end of this guide, alongside the wiring guide and a roof section diagram

Please take precaution when moving heavy objects and working at height. Be sure to use the correct equipment. Guide weights based on size, are shown on the chart to the right.

GUIDE WEIGHTS		
Size (mm)	Weight (kg) Double Glazed	Weight (kg) Triple Glazed
1000 x 1000	77	96
1500 x 1000	95	123
2000 x 1000	114	150

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STEP ONE

PREPARE A TIMBER KERB FOR YOUR ROOF LANTERN

Prepare a 70mm width timber kerb for your roof lantern. This should be a minimum of 30mm in height from the finished roof level. The internal dimensions of your kerb should match the internal dimensions of the roof lantern/size ordered.

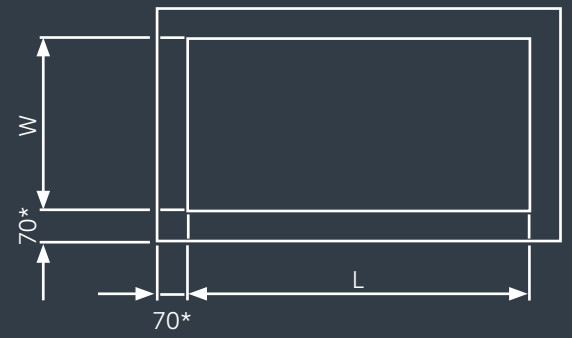
OPENING DIRECTION

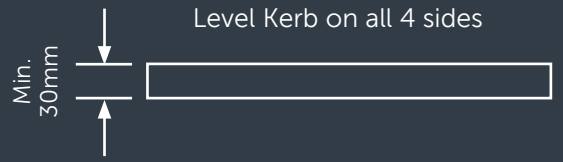
The roof lantern always opens across the 'width' of the rooflight, or across the shorter sides as the below image shows.

The glazing on your Slide Opening Roof Lantern is angled at 40° on all 4 sides, which will allow the rain to run off. The kerb that you build will therefore need to be level on all 4 sides. As mentioned, the unit always opens across the width and always away from the side that the rain sensor is located.

IMPORTANT - There should be a minimum space of 1000mm at the side of the kerb, in the direction that the unit opens. This is vital to ensure there is sufficient clearance for the lid to fully open without obstruction.

Timber Upstand Dimensions (mm)





**Width of timber upstand must not exceed 70mm as this will affec the performance of the integrated drip lip on your rooflig t.*

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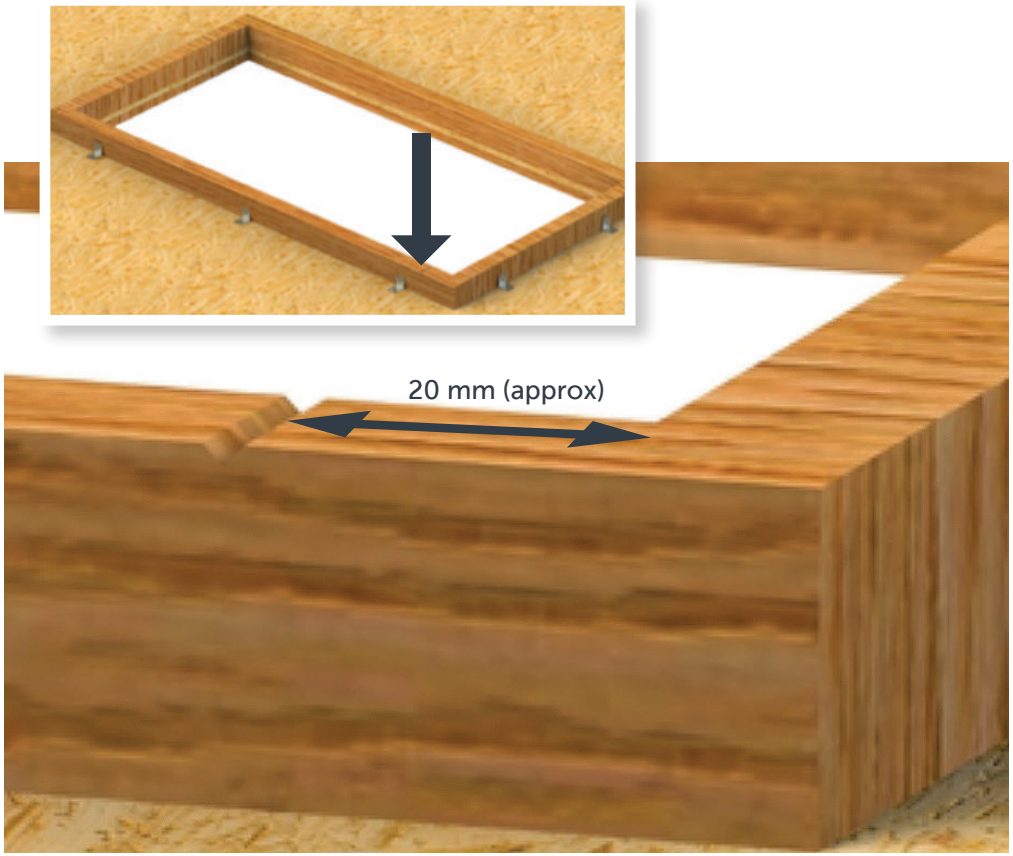
STEP TWO

RAIN SENSOR

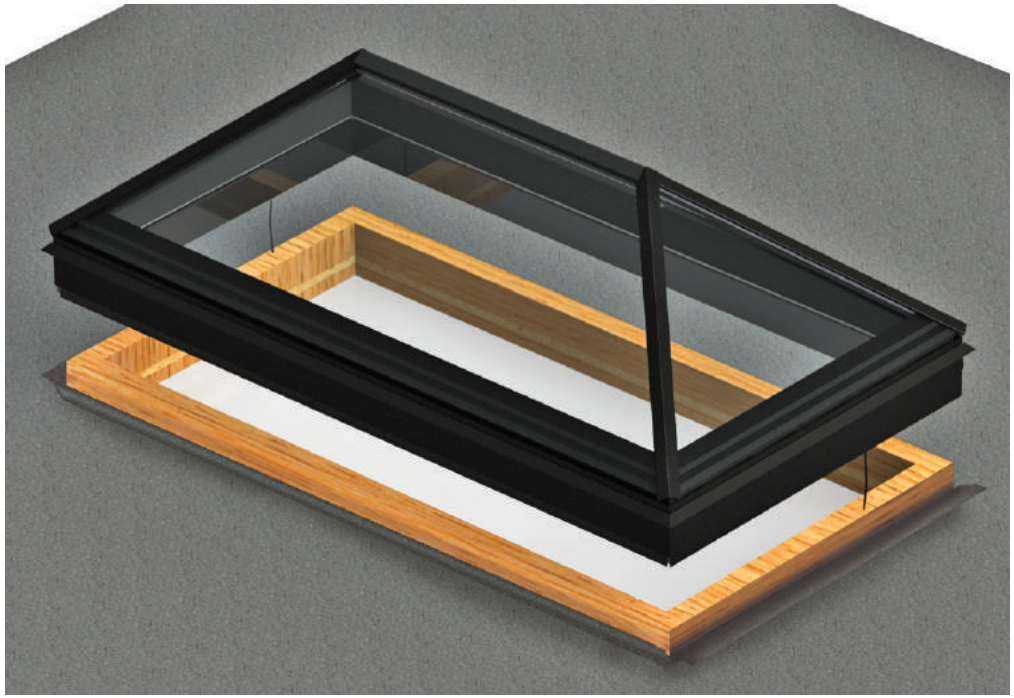
It is advised that a small groove/notch (5mm max depth) is cut into your kerb in line with where the rain sensor will be positioned. This will allow you to run the wire through for your rain sensor. ***The rain sensor is always located at the right hand side as the below diagram shows.***



STEP THREE

CREATE HOLES/GROOVES IN THE TIMBER KERB TO RUN THE ROOF LANTERN CABLING INTO THE PROPERTY

First, mount the supplied control box in a desired location i.e.. ceiling void. Access panel may be added at your discretion. Trial fit your roof lantern and mark a suitable location to drill a hole/s or create notches for the roof lanterns's electrical cables - ***Again, please refer to the cable location guide located at the end of this document.***



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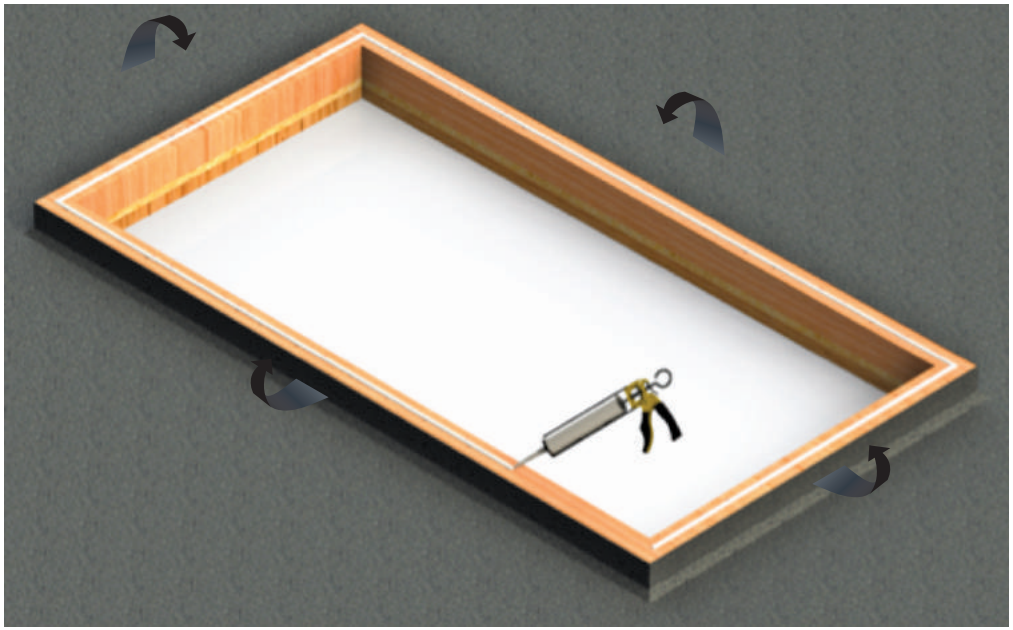
STEP FOUR

APPLY SILICONE AROUND THE TOP FACE OF THE TIMBER KERB

Apply the flashing/roof membrane to the sides of the kerb (Leaving the top face as exposed timber) and apply a thick bead of silicone around the top face, as shown.

You can now place the roof lantern on to the kerb and connect it to the power supply, ready to open the roof lantern and fix it with the provided long screws. The wiring guide can now be found toward the end of the document.

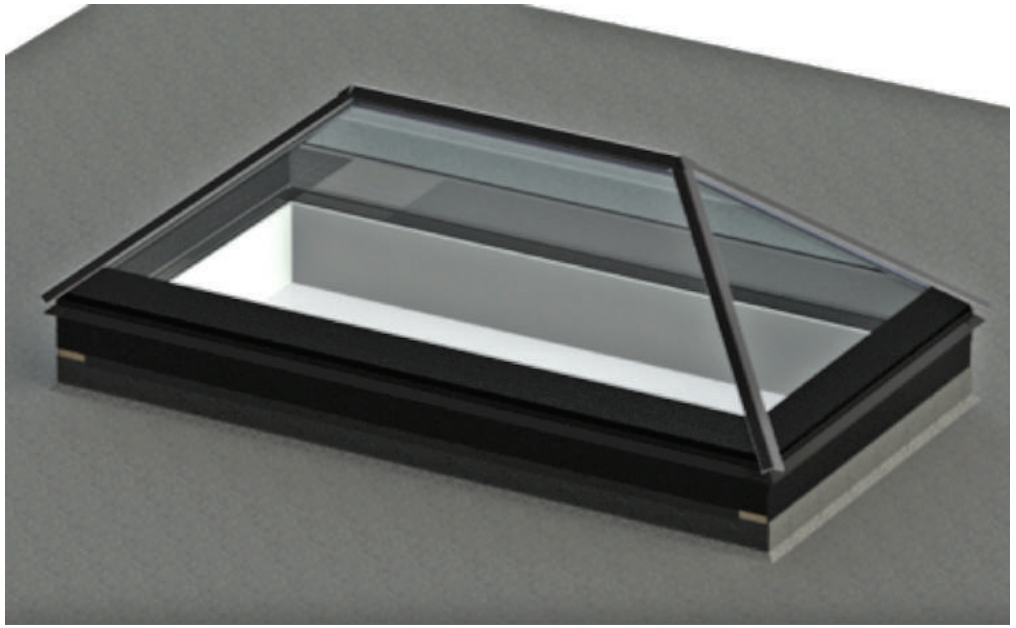


STEP FIVE

SCREW FIX THE ROOFLIGHT TO THE TIMBER KERB

Open the roof lantern via the remote control and secure it to your kerb through the preformed holes in the top of the rooflight's base frame, with the long screws. For plastering finish guidelines, please follow the roof section fitting guide, included at the end of this document.

Congratulations! Your Slide Opening Roof Lantern is fully installed



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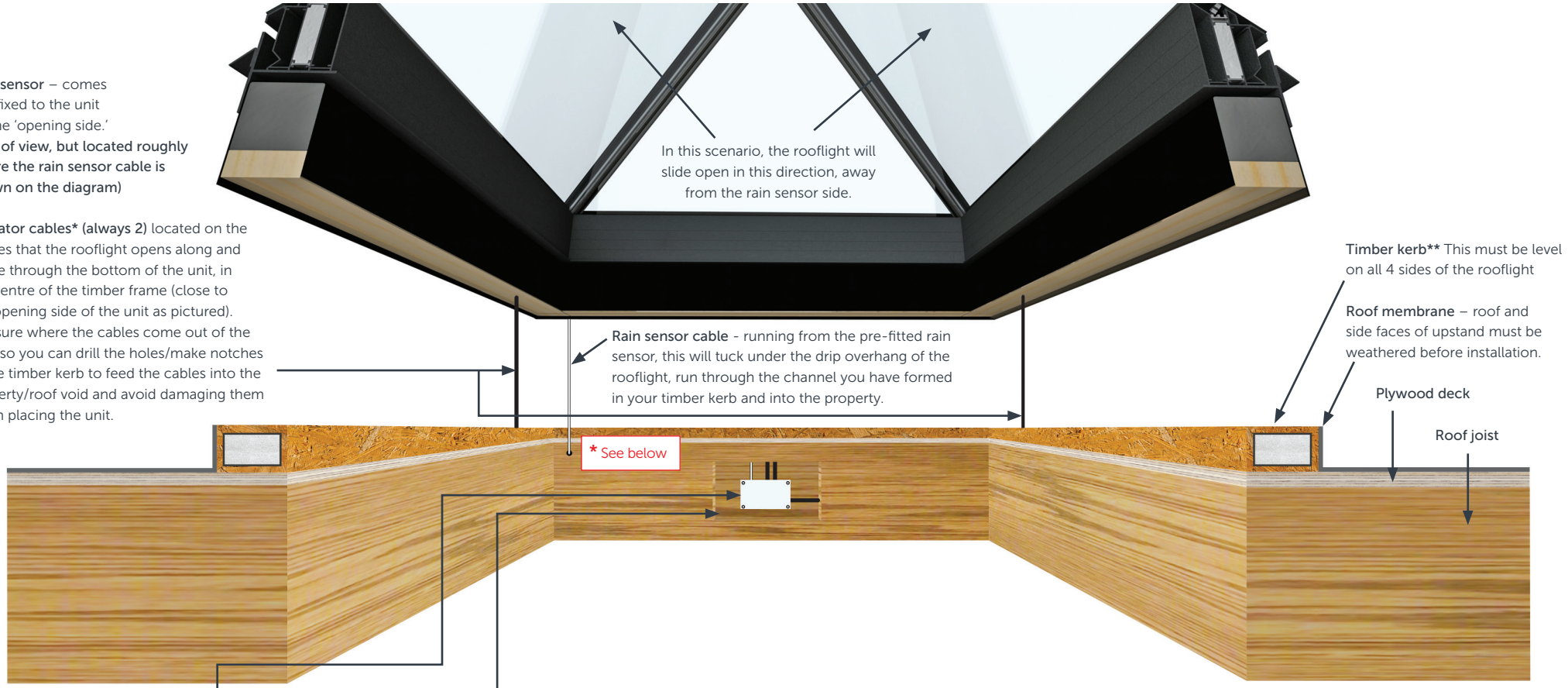
PYRAMID/SLIMLINE® SLIDE OPENING ROOF LANTERN– CABLE LOCATION GUIDELINES (not to scale)

Rain sensor – comes pre-fixed to the unit on the 'opening side.' **(Out of view, but located roughly where the rain sensor cable is shown on the diagram)**

Actuator cables* (always 2) located on the 2 sides that the rooflight opens along and come through the bottom of the unit, in the centre of the timber frame (close to the opening side of the unit as pictured). Measure where the cables come out of the unit, so you can drill the holes/make notches in the timber kerb to feed the cables into the property/roof void and avoid damaging them when placing the unit.



Control Box – install this in the void of the roof, between the joists. This is where your actuator cables and rain sensor cable will be wired in to when you have fed them through into the property. This is powered by a standard 3 pin plug socket, which you will need to install into this area in advance, positioning within 1000mm of the control box location. The control box also acts as the remote receiver.

Optional access panel – we advise that you install an access panel where the control box is located when adding your plaster finish to the timber reveals. This will maintain accessibility to the electronics for maintenance purposes in future.

* If you are running cables down the face of the timber reveal (as pictured here) and into the ceiling void, you will need to notch a channel to run the cable into, so the plasterboard will fit flush to the face of the timber (as per our finishing guidelines). This will also apply if running the actuator cables down face of the timber reveal. Please ensure you do not put fixings through the cabling when adding your plasterboard.

* You may need to extend the actuator cables to reach your control box, if your control box is located elsewhere or further away than we recommend. Ensure the cables are extended to exactly the same length and that this is carried out by a qualified electrician. Cable thickness required will vary dependant on the length being added– we can advise in these situations.

IMPORTANT Also, ensure that the timber kerb doesn't exceed the recommended 70mm width.

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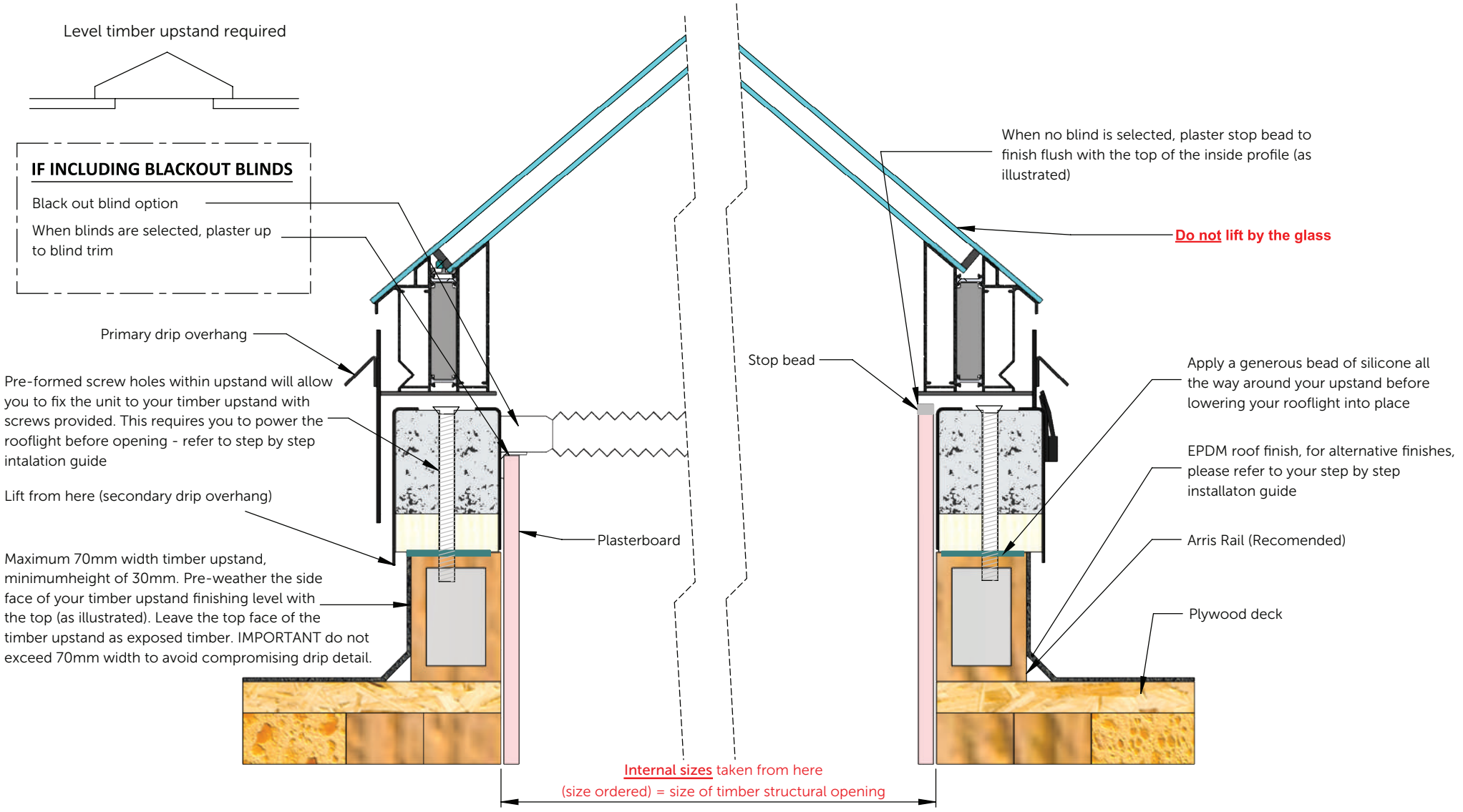
ROOF SECTION FITTING GUIDE - DOUBLE GLAZED



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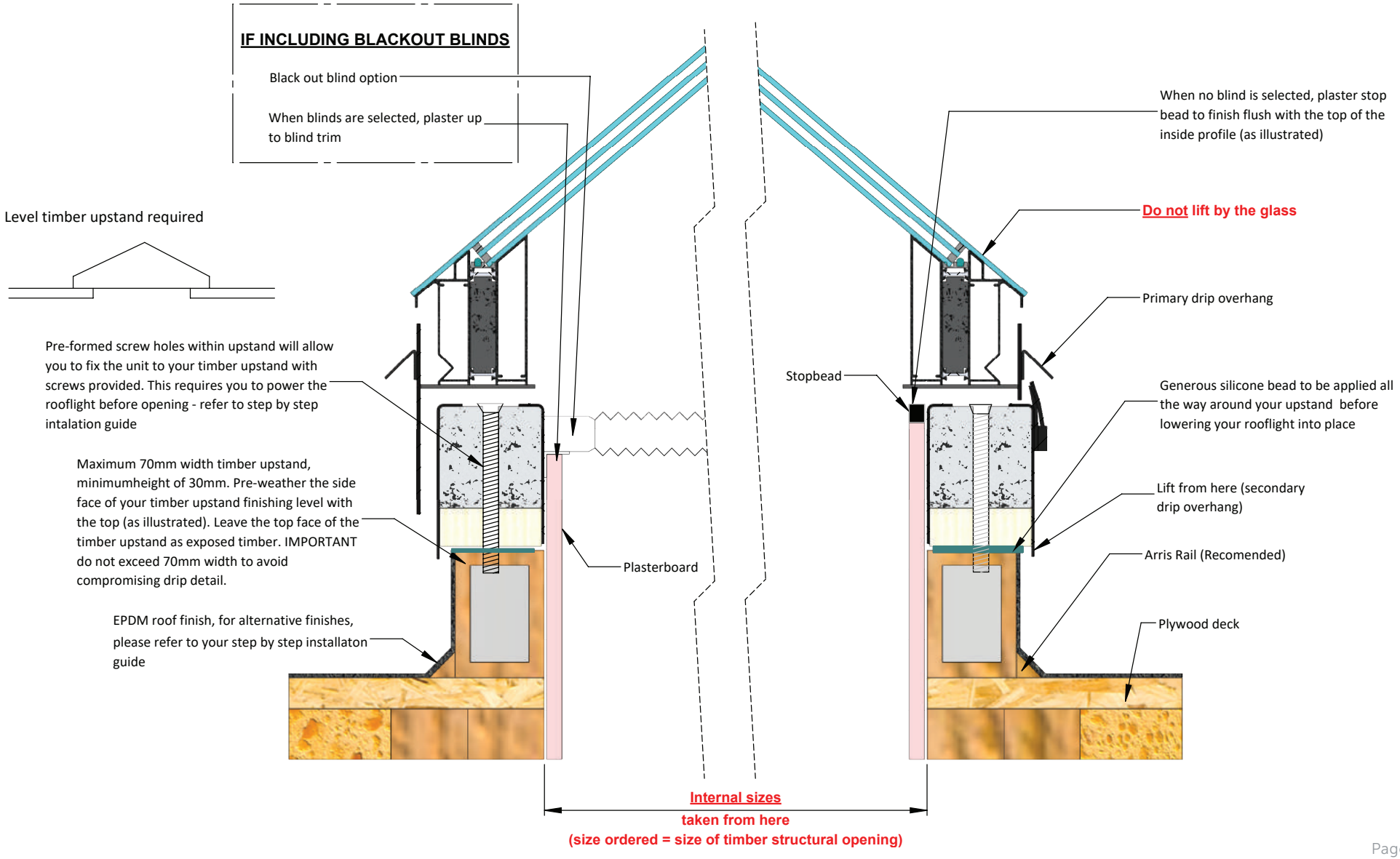
ROOF SECTION FITTING GUIDE - TRIPLE GLAZED



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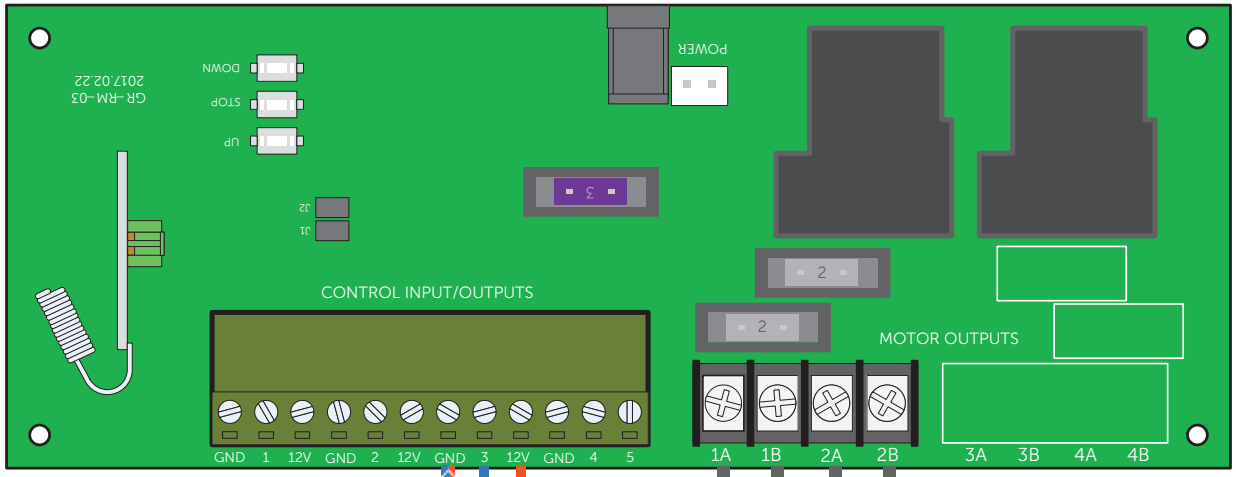
REMOTE CONTROLLED ROOFLIGHT WIRING GUIDE



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 o˜* the output

2: Thermostat Signal Input
Connect to any ground, GND, to switch output to 'down'

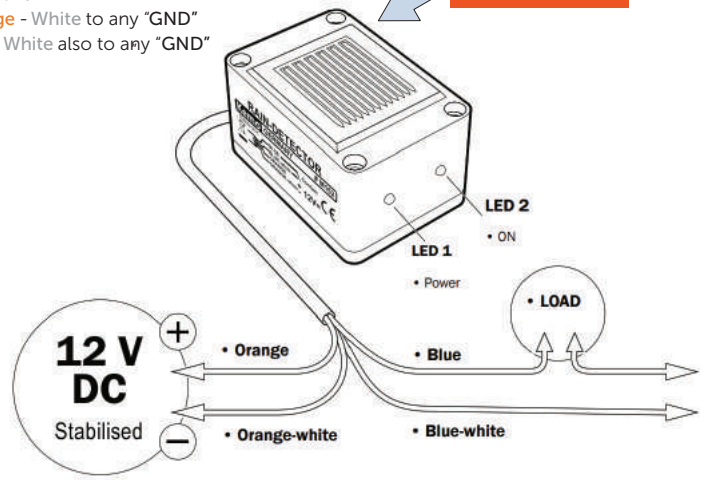
3: Rain Sensor Signal Input
Connect to any ground, GND, to switch output to 'down'

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**

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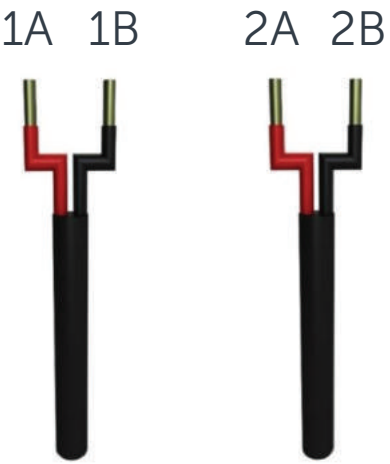
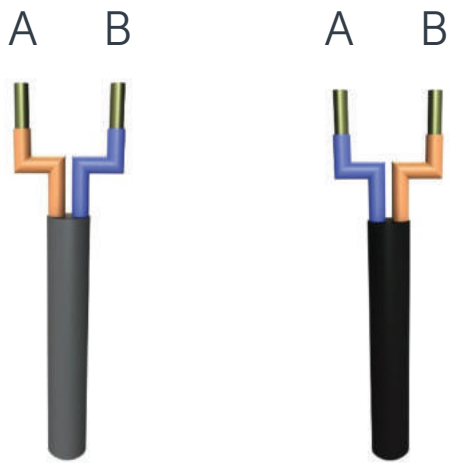
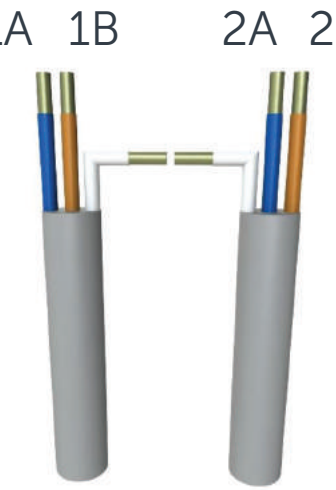
REMOTE CONTROLLED ROOFLIGHT WIRING GUIDE

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.

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