ROOF MAKER

WORLD CLASS ROOFLIGHTS

PRODUCT SPECIFICATION AND INSTALLATION GUIDE

HINGED OPENING FLAT ROOFLIGHT

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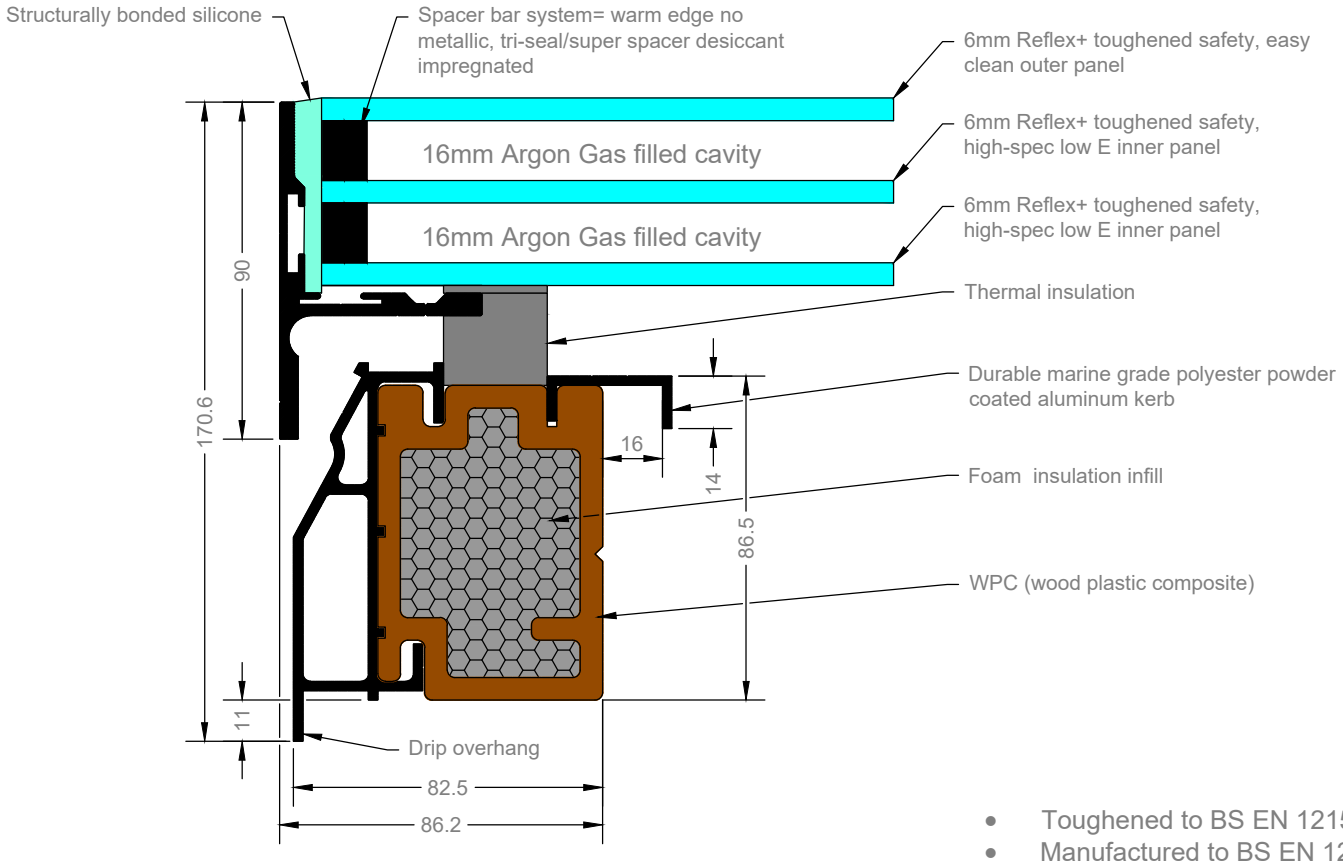
Mon-Fri 9-5pm

HINGED OPENING FLAT ROOFLIGHT: STANDARD PRODUCT SPECIFICATION



- Toughened to BS EN 12150
- Manufactured to BS EN 1279 Part 2 & 3
- Standard Energy Glass unit shown above

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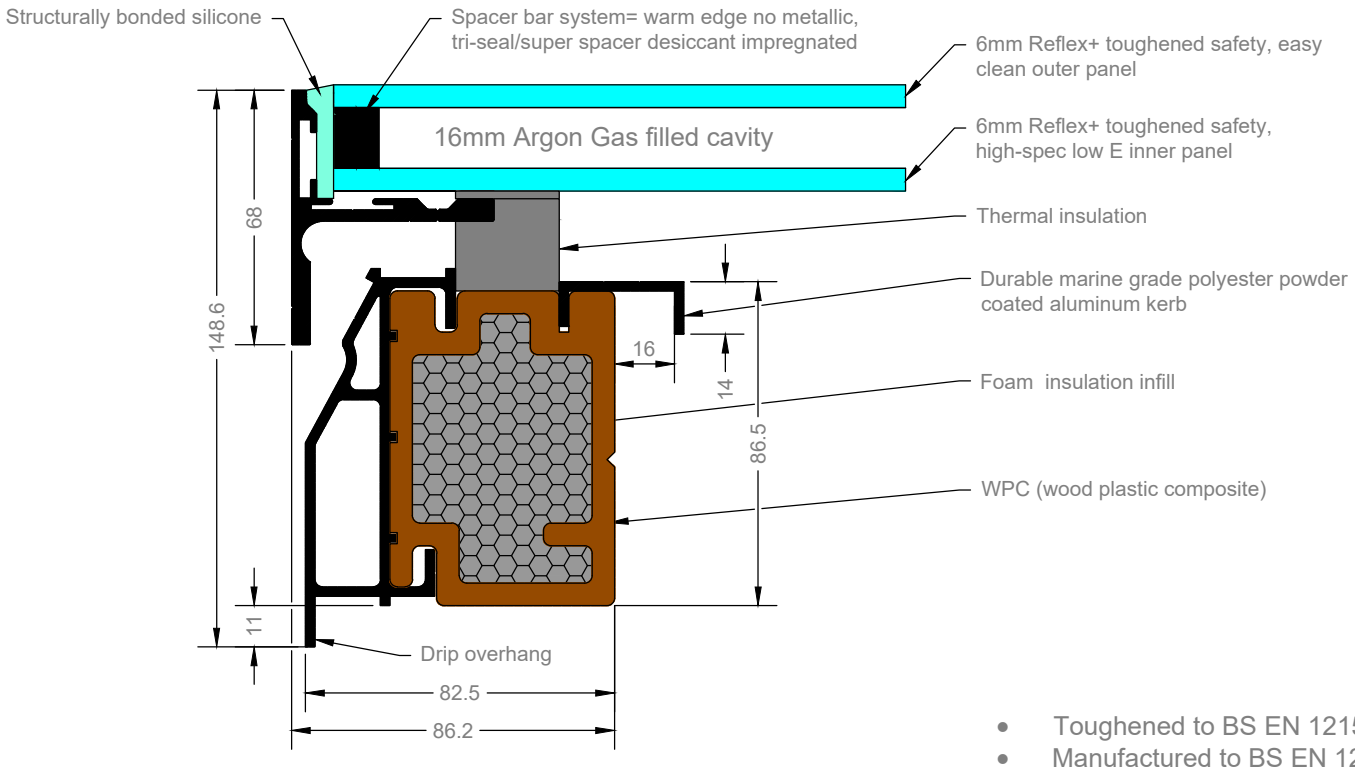
HINGED OPENING FLAT ROOFLIGHT: DOUBLE GLAZED PRODUCT SPECIFICATION



- Toughened to BS EN 12150
- Manufactured to BS EN 1279 Part 2 & 3
- Standard Energy Glass unit shown above

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HINGED OPENING FLAT ROOFLIGHT: INSTALLATION GUIDE

ON DELIVERY OF YOUR NEW HINGED OPENING FLAT ROOFLIGHT, IN ADDITION YOU WILL RECIEVE;

- Your Wall mounted climate control module + 2 machine screws
- 1x White plastic double sized backbox (wall fixings not provided)
- 1x Rain sensor with 12 meters of cable*

*You must install rain sensor in location that rainfall will reach it when it rains, preferably away from a wall that might shield it from the rain, should it be raining at an angle. A recommendation would be to use sticky pads to mount it onto the glass near the base of the roof lantern, which will also give it the angle required, as mentioned in the wiring guide.
We also recommend you clean your rain sensor quarterly, so it continues to perform as intended. A soft, damp microfiber cloth should be Sufficient for this.

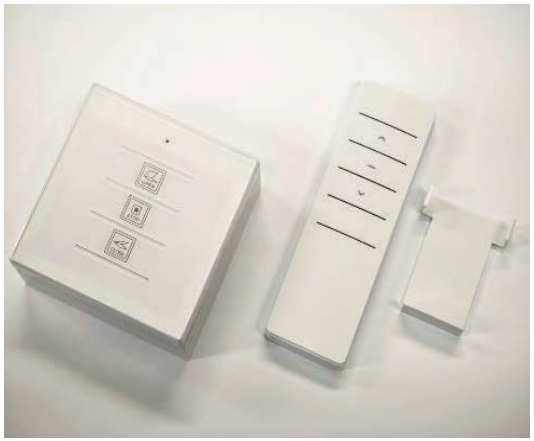
IN ADDITION TO YOUR NEW HINGED OPENING FLAT ROOFLIGHT, YOU WILL NEED;

- 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)
500x400	40
700x700	64
1000x1000	105
1500x1000	140
2000x1000	178
2500x1000*	215
3000x1000*	248
1500x1200	160
2000x1200*	205
2500x1200*	244
1500x1500*	188

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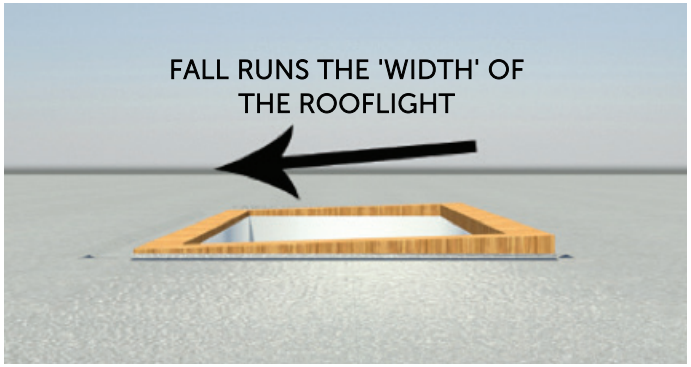
STEP ONE

PREPARE A TIMBER KERB FOR YOUR ROOFLIGHT

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

SETTING THE DIRECTION OF THE FALL

The rooflight always opens across the 'width' of the rooflight, so the hinges and motors will always be located on the longer sides of the rooflight, which are the sides that should be set 'level.'

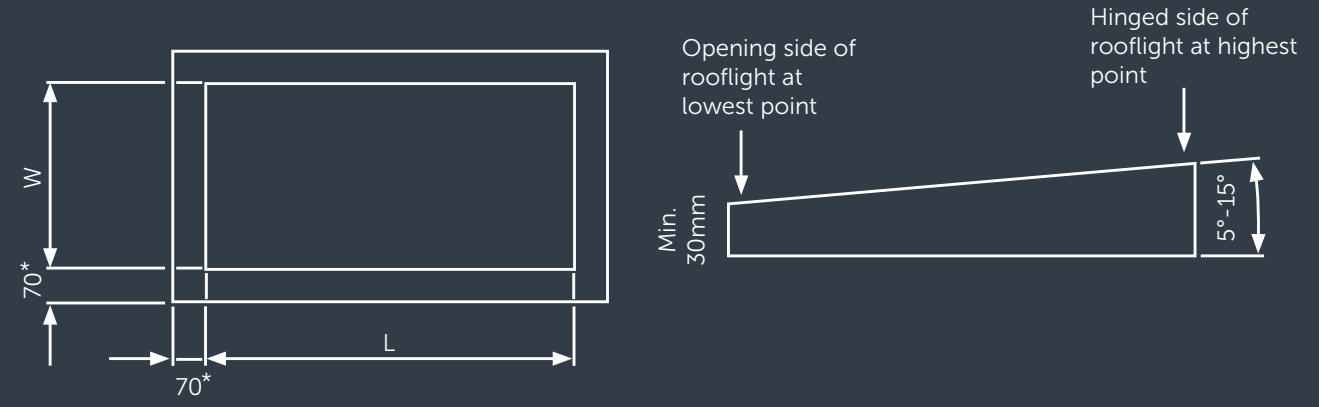


Your hinged opening rooflight needs to be pitched between 5°-15° for rain to run off. If your roof does not have this pitch, build the angle into your kerb.

IMPORTANT - You will also need to ensure that the hinged side of your rooflight is located at the highest side of the timber Kerb, with the opening side being located at the lowest side of the timber kerb. For remote controlled rooflights, the rain sensor will be located on the opening side.

It is also important that the hinged side of the rooflight and the side that opens (rain sensor side) are set 'level,' with the sides that are pitched between 5°-15° running between these 2 sides.

Timber Kerb Dimensions (mm)



**IMPORTANT - Width of timber kerb must not exceed 70mm as this will affect the performance of the integrated drip lip on your rooflight.*

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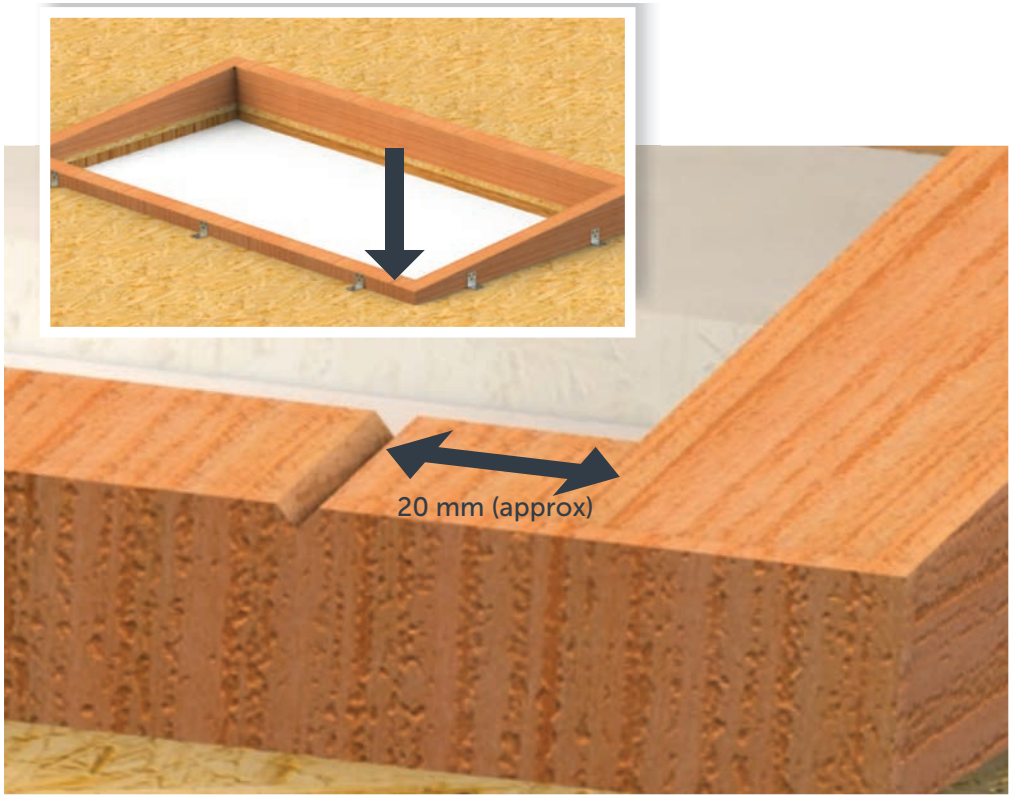
STEP TWO

RAIN SENSOR (FOR REMOTE CONTROLLED/RAIN SENSOR ROOFLIGHTS ONLY)

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.*

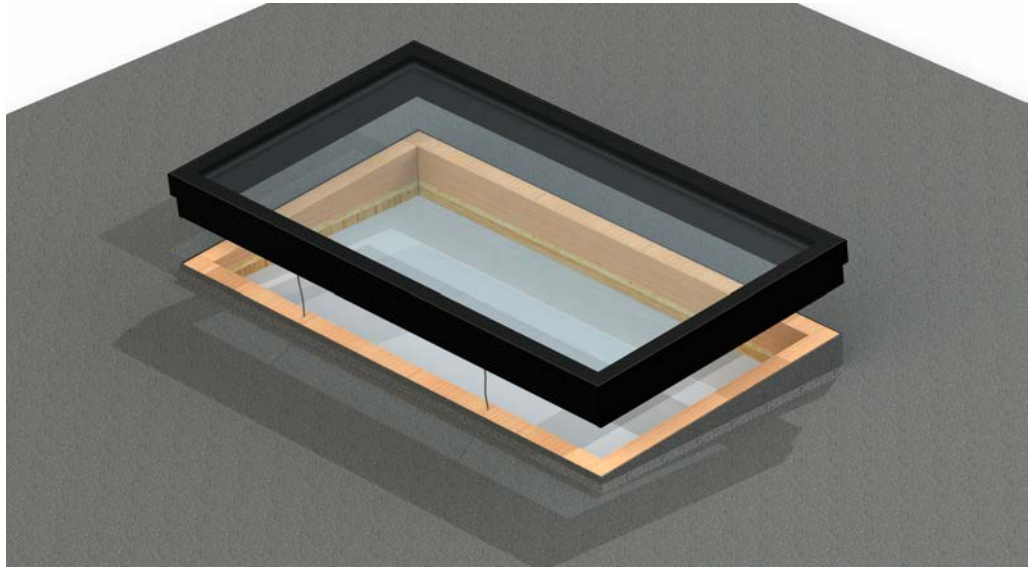


STEP THREE

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

Trial fit your rooflight and mark a suitable location to drill a hole/s or create notches for the rooflight's actuator cables - *Please refer to the cable location guide located on page 11 of this document, if you have opted for the remote controlled/rain sensor option. This gives advice as to where we recommend the control box can be located within the property.*

You do not need to refer to this guide if you have a control switch controlled rooflight. For switch controlled rooflights, you will just be extending the actuator cable/s to your chosen location of the control switch in the room below.

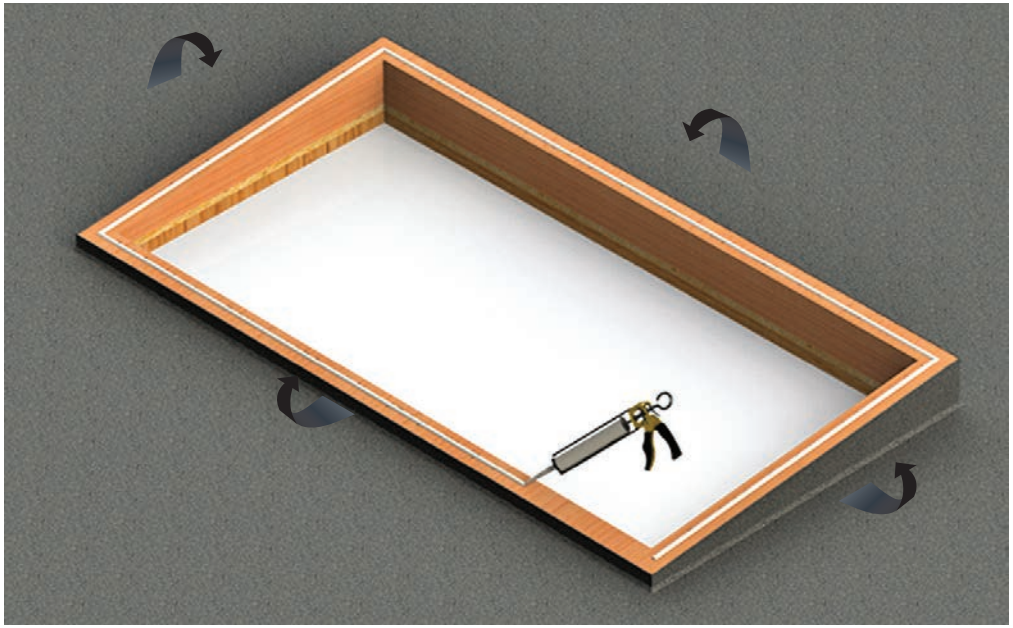


STEP FOUR

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, closer to the outside edge of the kerb.

You can now place the rooflight onto the kerb and connect it to the power supply, ready to open the rooflight and fix it with the provided long screws. The wiring guides for both control switch and remote controlled variations, can be found at the end of this document.

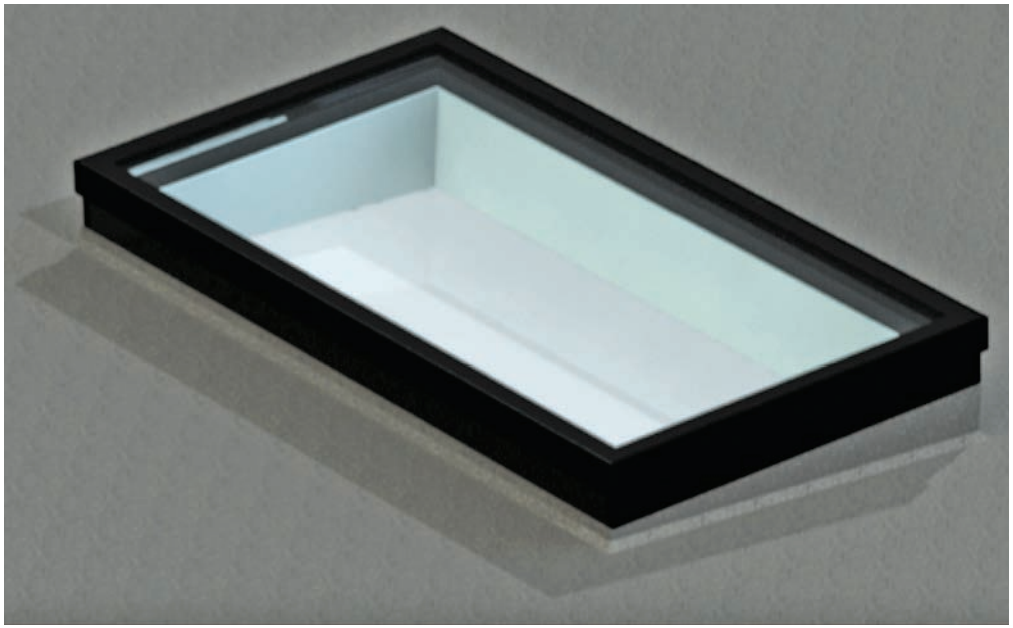


STEP FIVE

SCREW FIX THE ROOFLIGHT TO THE TIMBER KERB

Open the rooflight via the remote control switch and secure it to pre drill frame and afix to timber using screw provided. Secure it to the kerb using long screws*. For plastering finish guidelines, please follow the roof section fitting guide, on page 7 of this document. **Your Hinged Opening Flat Rooflight is now fully installed.**

***Wiring guides for both control switch controlled and remote controlled rooflights can be found on pages 8-16.**



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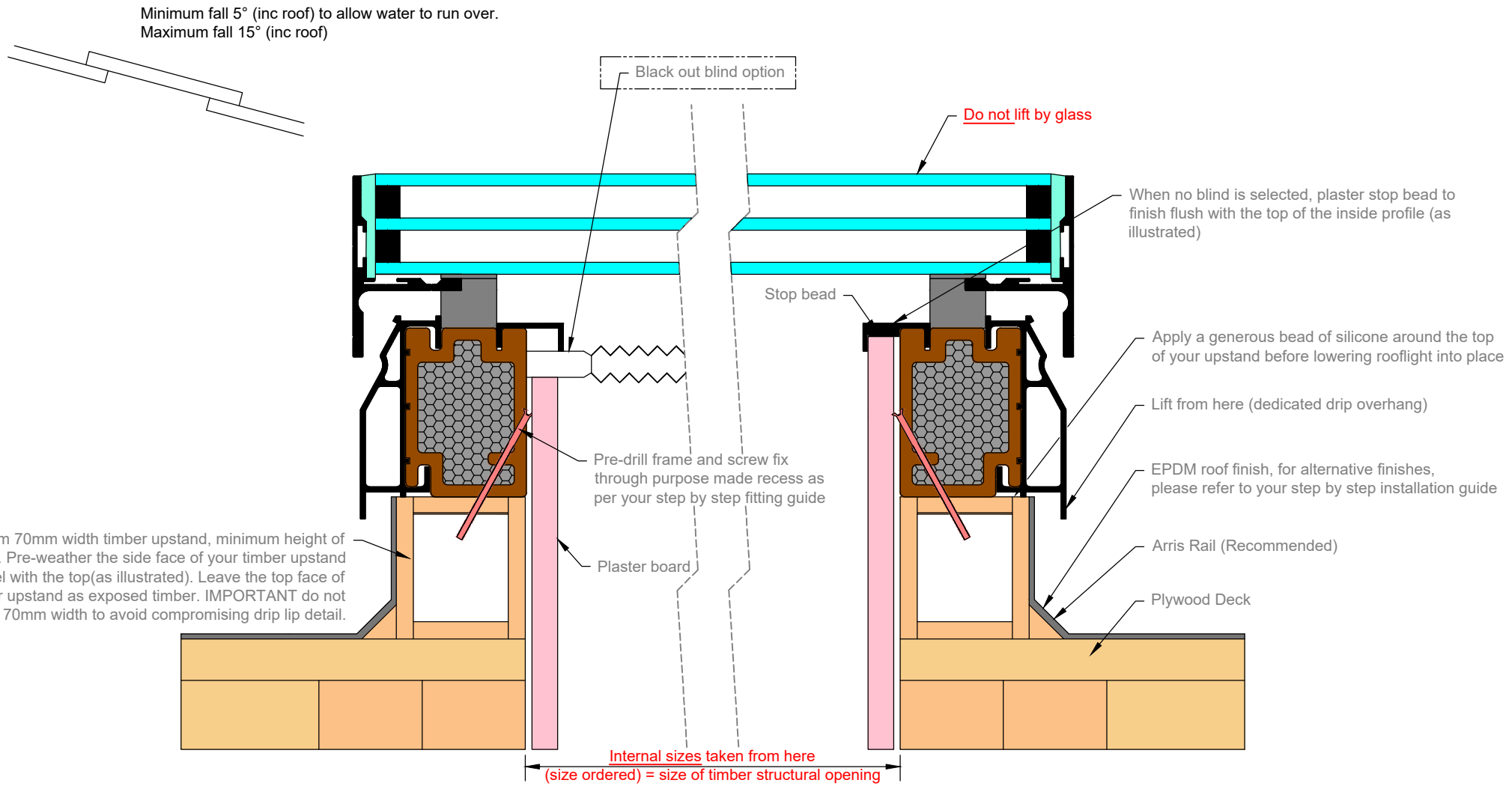
ROOF SECTION FITTING GUIDE



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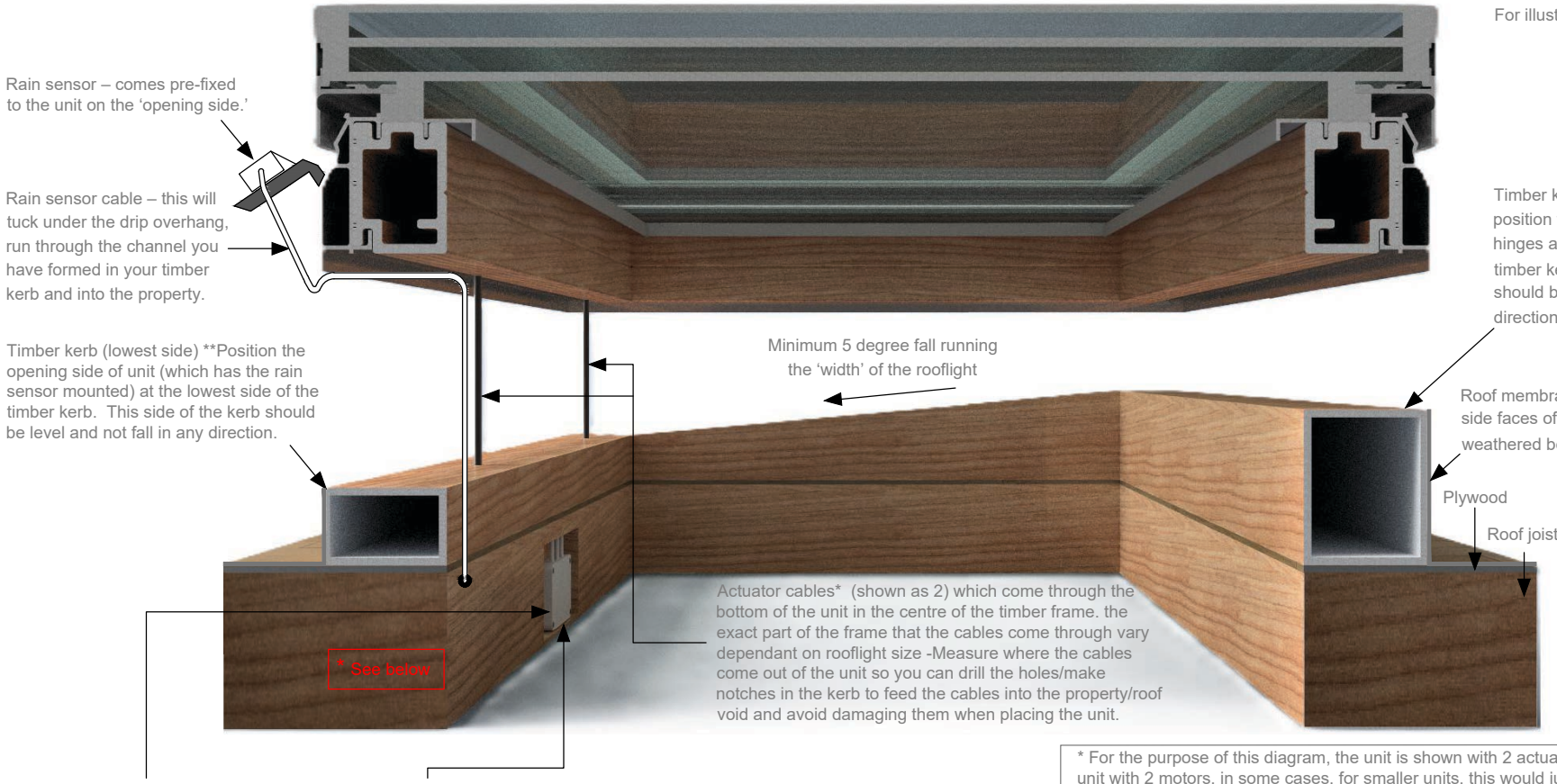
HINGED OPENING FLAT ROOFLIGHT - CABLE LOCATION GUIDELINES (not to scale)

(REMOTE CONTROLLED ROOFLIGHTS WITH RAIN SENSOR)



Control Box (86x86x35mm) – install this in the void of the roof, between the joists. t his is where your actuator cables and rain sensor cable will be wired in to when you have fed them through into the property. t his is powered by a standard 3 pin plug socket, which you will need to install into this area in advance, positioning within 400mm of the control box location. t he 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 eveals. 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 facef the timber (as per our finishin guidelines). This will also apply if running the actuator cables down face of the timber reveal. Please ensure you do not put fixings though the cabling when adding your plasterboard.

* For the purpose of this diagram, the unit is shown with 2 actuator cables which covers a unit with 2 motors. in some cases, for smaller units, this would just be a single cable or 1 motor. You may need to extend the actuator cables if your control box is located elsewhere. If you have 2 cables, ensure they are extended to exactly the same length. Ensure this is carried out by a qualified electrician. Cable thickness required will vary dependant on the length being added– this is covered in the wiring and cable extension guide.

**the timber kerb in this diagram is shown as being angled to give the required minimum 5 degree fall. In cases that the roof has a sufficient pitch and doesn't require an angled kerb, ensure that the opening part of the unit is still positioned at the lower part of the fall. IMPORTANT ensure that the timber kerb doesn't exceed the recommended 70mm width.