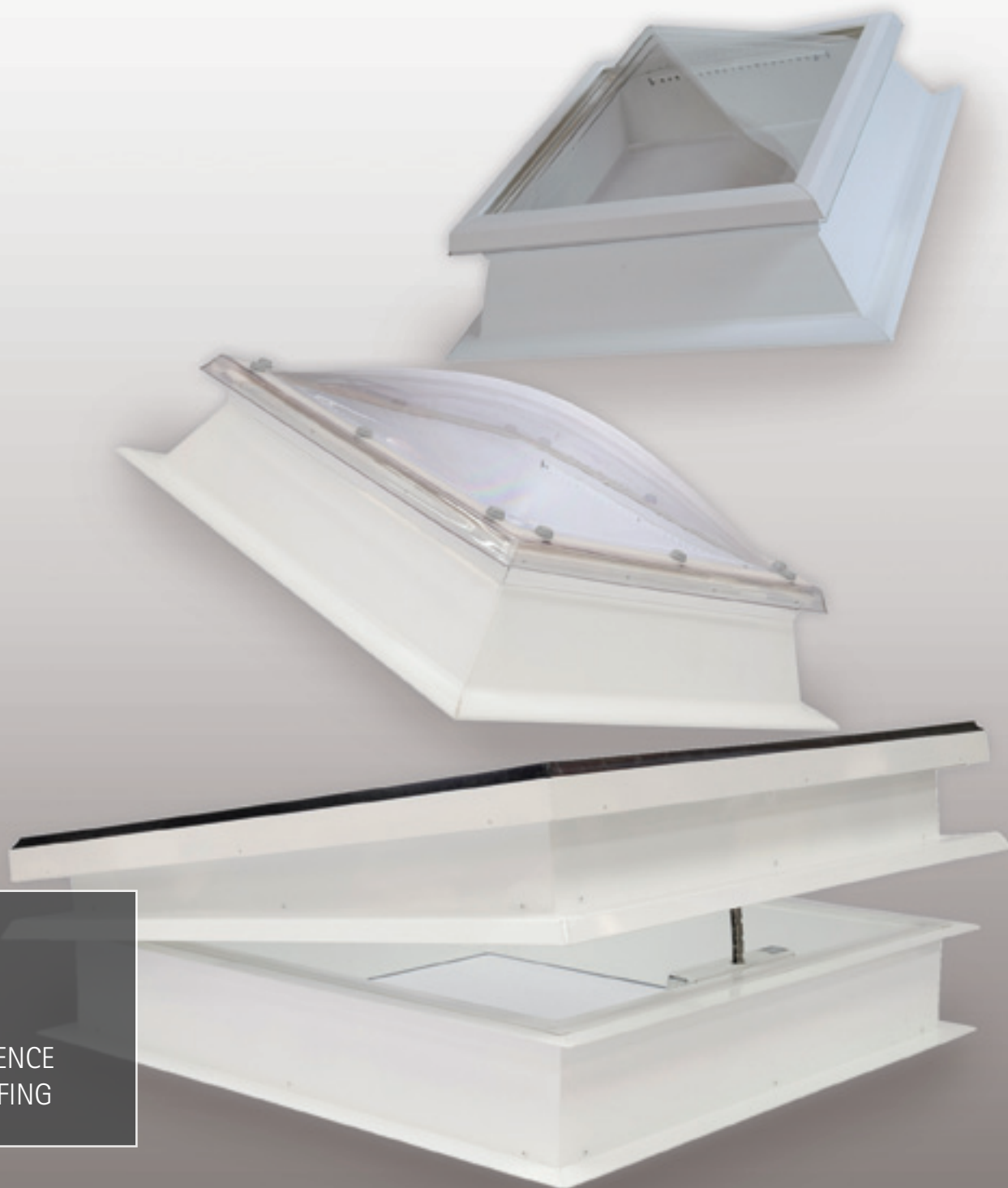




*Rely on it.*

## RENOLIT ALKORLIGHT

Bringing natural daylight inside



EXCELLENCE  
IN ROOFING

# RENOLIT ALKORLIGHT

## High performance rooflight system.

Rooflights can be combined with efficiently controlled artificial lighting to provide specified illumination levels. Research has proven that horizontal rooflights provide two and a half times more natural light than vertical windows – ideal for saving energy and reducing the carbon footprint of any building.

The rooflights are fully tested and compatible with the range of RENOLIT ALKORPLAN PVC based single ply roofing membranes.

### Main advantages

- Over 10,000 combinations
- Aesthetically pleasing
- Low Ud ( $Wm^2/K$ ) value – Thermally efficient
- Glazing options: polycarbonate or glass
- Only UV enhanced polycarbonate used (outer skin)
- Glazing colours (Polycarbonate):  
Clear, Diffused, Bronze, Opal
- Choice of ventilation options
- AOV smoke vents available
- 237 mm kerb – compatible with all RENOLIT ALKORPLAN membranes
- Direct fix application – No kerb option.
- Standard range of sizes – Bespoke sizes available
- Large area glazing available
- 20 years guarantee

# RENOLIT ALKORLIGHT

## General advantages

- Offers high weather resistance in a low maintenance, thermoplastic design.
- Exceeds Part L requirements with its 1.8 Ud value.
- Integral cascade water management system ensures external water drainage to prevent leakage.
- Air leakage meets the requirements of Part L.

## Fire performance

EN 1350-1 2007 + A1:2009 Classification B-s1, d0, BS 476 pt 3 AA rating, BS 476 pt 7 Class 1y 1991 Building Regulations Tp(a).

## Kerb construction

The RENOLIT ALKORLIGHT is prepared specifically for single ply membrane roofing systems. All external excess corner welds are removed to assist in the application of the membrane.

237 mm high the self-finish white PVC-U kerb has a 2 mm thick wall, ensuring weld strength, and a weather seal on all opening rooflights maintaining weather-tightness. A special 'key' finish to the PVC-U kerb assists adhesion of the membrane. RENOLIT ALKORLIGHT will be delivered in two parts for easy handling and more efficient installation.

The standard RENOLIT ALKORLIGHT is fitted with a white PVC-U termination bar. As an optional extra the termination bar can be upgraded to white polyester powder coated aluminium which provides a more robust clamping action.

## Non fragility

Class B Non Fragile to ACR[M]001:2011 (Test for non fragility of profiled sheeted and large body roofing assemblies)

## Environmental

RENOLIT ALKORLIGHT has an environmental points score of 0.57 and is manufactured to ISO 14001 Environmental Management.

Kerb heights can be increased to suit a wide range of insulation depths by using the innovative white polyester powder coated aluminium base adaptor or alternatively a white PVC-U insulation stop.

Whilst RENOLIT ALKORLIGHT come in an extensive range of standard sizes, it can also be manufactured to suit non-standard roof openings.

*Consult with our Technical Department for further details.*



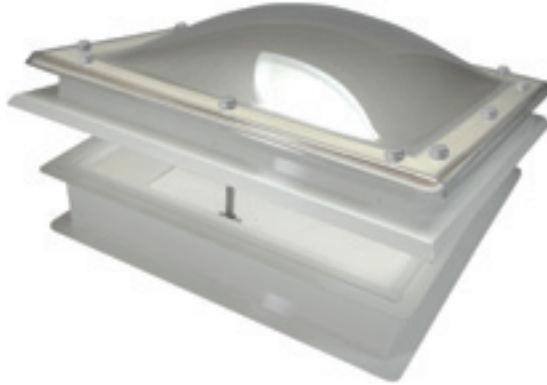
## Standard rooflights sizes (mm)

Square		Rectangular	
600 x 600	1200 x 1200	600 x 900	1000 x 1300
700 x 700	1250 x 1250	600 x 1200	1000 x 1500
750 x 750	1300 x 1300	700 x 1000	1000 x 1900
800 x 800	1350 x 1350	700 x 1300	1100 x 1400
850 x 850	1400 x 1400	700 x 1900	1100 x 1700
900 x 900	1500 x 1500	800 x 1100	1200 x 1500
950 x 950	1600 x 1600	800 x 1400	1200 x 1700
1000 x 1000	1800 x 1800	900 x 1200	1200 x 1800
1050 x 1050	1900 x 1900	900 x 1500	1200 x 2400
1100 x 1100		900 x 1800	1300 x 1900
			1300 x 2500

## RENOLIT ALKORLIGHT Ventilation options

RENOLIT ALKORLIGHT kerbs can be fitted with a range of ventilations options:

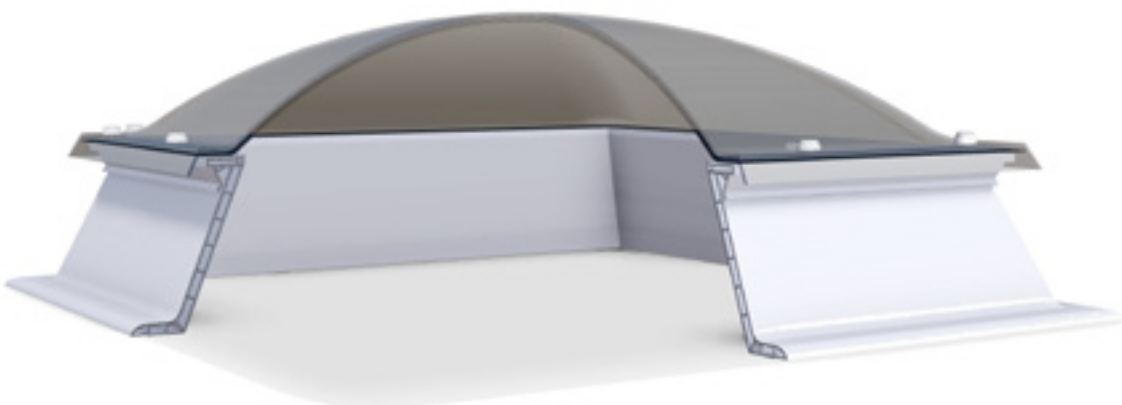
- **Manual or Electrical Hinged Opening Units**  
The whole rooflight top hinges to allow maximum ventilation through the open vent area.



- **Rotary Ventilation**  
A unique rotary action vent controller offers variable ventilation, distinctive internal appearance, smooth, silent operation, and prevents 'in-blown' roof debris and water ingress.



- **Hit and Miss Ventilator**  
Hit and Miss ventilator provides minimal background ventilation. An access option is also available using a vertical white self-finish PVC-U kerb.



## RENOLIT ALKORLIGHT Glazing options

Triple glazed as standard in high performance enhanced UV protected high impact resistant polycarbonate

### Clear enhanced UV protected polycarbonate

- High light transmission: 73% (in triple skin version)
- Placement where glare may occur is a consideration
- Allows full vision of views and objects

### Diffused enhanced UV protected polycarbonate

- Maximises privacy
- High levels of light transmission into building: 71% (only the inner skin is diffuse)
- Offers the benefit of distributing daylight and so avoids glare and shadows
- Prevents vision of views and objects

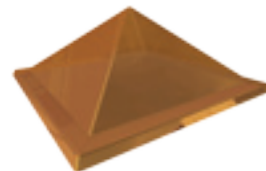
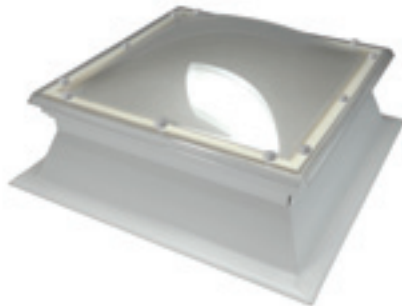
### Bronze enhanced UV protected polycarbonate

- Reduces solar heat gain
- Reduces light transmission into a building

### Opal enhanced UV protected polycarbonate

- Maximises privacy
- Offers the benefit of distributing daylight and so avoids glare and shadows
- Prevents vision of views and objects

In polycarbonate glazing two glazing shapes are available: Dome and Pyramid



## RENOLIT ALKORLIGHT is also available with glass options

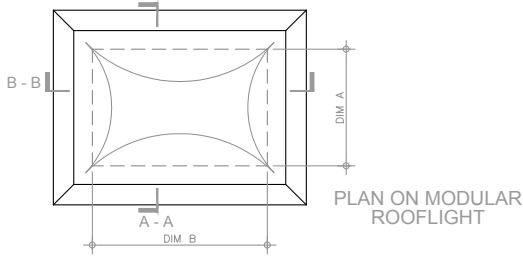
Offered as an alternative to polycarbonate, double glazed insulated glass units will provide a low U value alternative. Selection of high specification glass can also be used to reduce such things as solar gain and rain noise whilst retaining non-fragile status.

The standard glass specification is a double glazed unit made up of 6 mm toughened outer, 16 mm air gap and 6.4 laminated inner, however this may vary dependent upon the size of the unit as well as U value, G value and light transmission requirements.



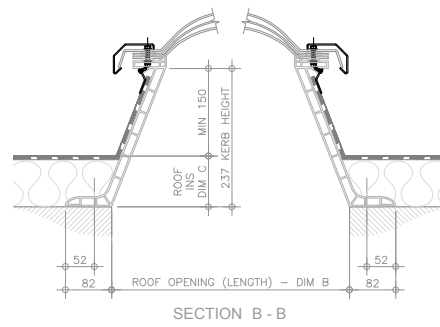
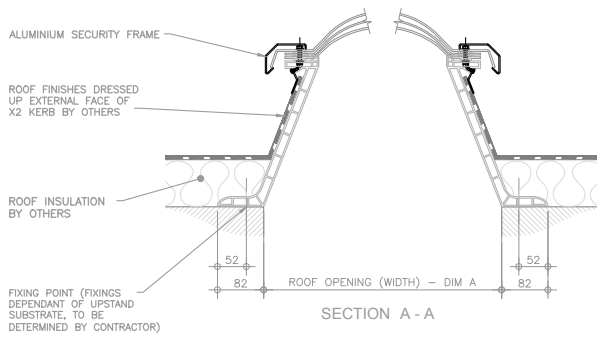
# RENOLIT ALKORLIGHT Technical drawings

## Unventilated upstand direct to roof with standard security fixings

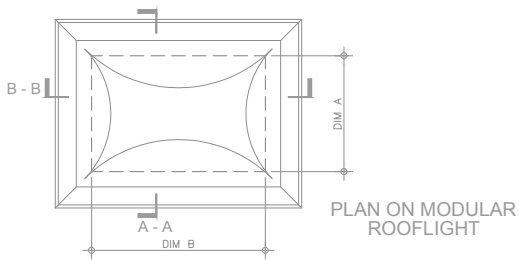


**Kerb Specification:**  
X2 kerb constructed from self finish white uPVC

**Typical Glazing Specification:**  
Outer - 3mm thick clear UV protected polycarbonate  
Mid - 2mm thick clear polycarbonate  
Inner - 3mm thick clear polycarbonate

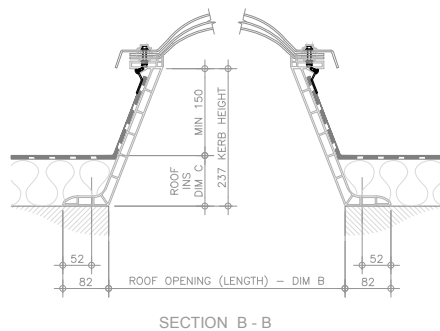
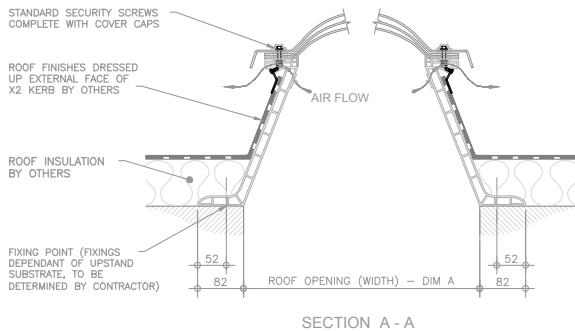


## Hit and Miss ventilated upstand direct to roof with standard security fixings



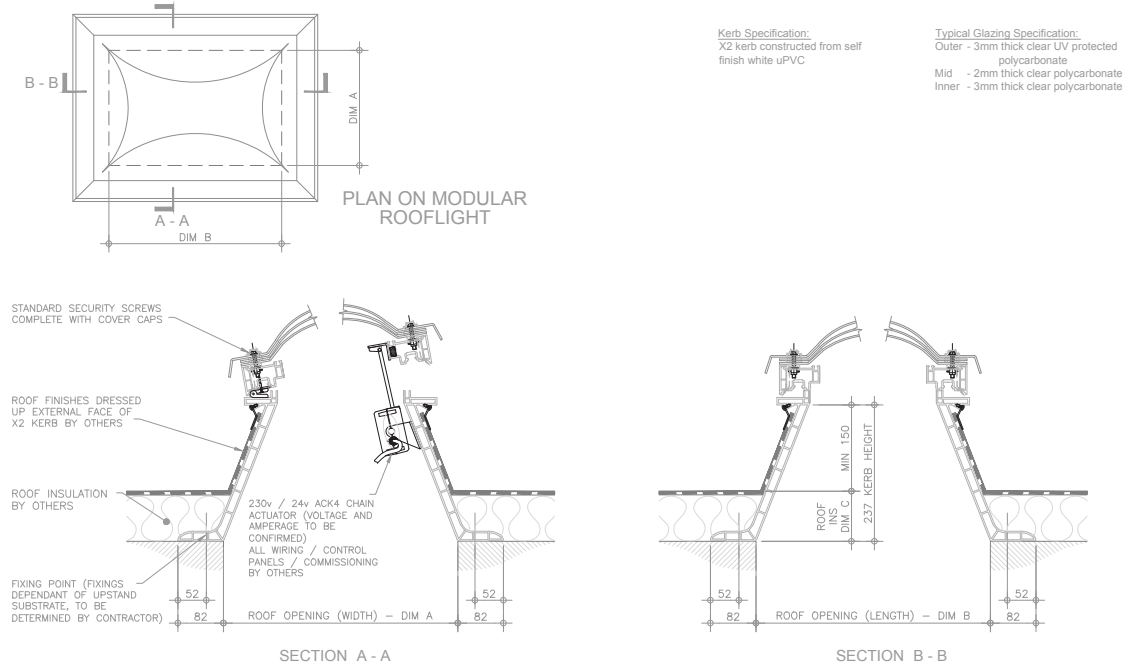
**Kerb Specification:**  
X2 kerb constructed from self finish white uPVC

**Typical Glazing Specification:**  
Outer - 3mm thick clear UV protected polycarbonate  
Mid - 2mm thick clear polycarbonate  
Inner - 3mm thick clear polycarbonate

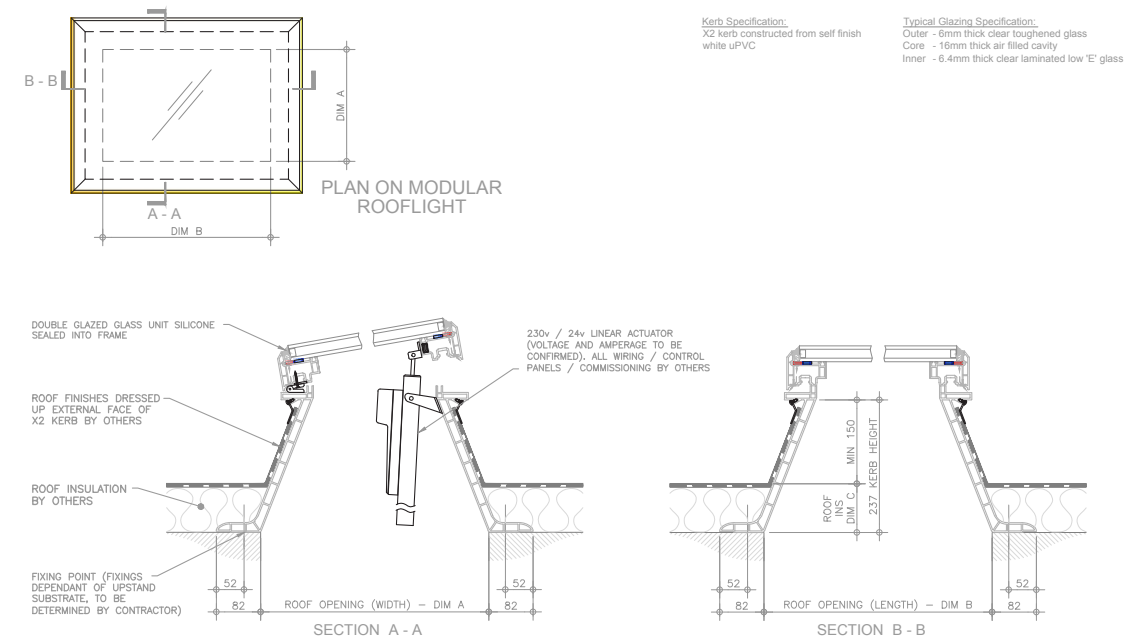


# RENOLIT ALKORLIGHT Technical drawings

## Linear chain motor ventilated upstand direct to roof with standard security fixings



## Linear motor ventilated upstand direct to roof with standard security fixings





The information contained in the present commercial literature has been given in good faith and with the intention of providing information. It is based on current knowledge at the time of issue, and may be subject to change without notice. Nothing contained herein may induce the application of our products without observing existing patents, certificates, legal regulations, national or local rules, technical approvals or technical specifications or the rules and practices of good workmanship for this profession. The purchaser should verify whether import, advertising, packaging, labelling, composition, possession, ownership and the use of our products or the commercialisation of them are subject to specific territorial rules. He is also the sole person responsible for informing and advising the final end user. When faced with specific cases or application details not dealt with in the present guidelines, it is important to contact our technical services, who will give advice, based on the information at hand and within the limitations of their field of expertise. Our technical services cannot be held responsible for the conception of, nor the execution of the works. In the case of negligence of rules, regulations and duties on the part of the purchaser we will disclaim all responsibility.

[WWW.RENOLIT.COM/ROOFING](http://WWW.RENOLIT.COM/ROOFING)



The product is produced to the standard of BBA Certificate No.02/3890  
The product is also produced to an Ecopoint score of 0.57.



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*Rely on it.*