COXDOME

See the light with Coxdome rooflight products

coxdome.co.uk

Available as square,
rectangle, pyramid, circular

Polycarbonate skin options:
• Single
• Double
• Triple
• Quadruple

Polycarbonate finish
can be clear or diffused

High security
fixings as standard

Customers opening
dimensions required
to confirm size

Fixed, manual opening
or electrical opening
options available

150mm UPVC insulated
splayed upstand

WARRANTY
10 YEAR
WARRANTY

How to Choose Your Rooflight

Classic Range

Our team is available to assist with specifying the best daylight solution to meet your project needs – from initial design through to aftersales support.

For sales or technical support on any of the COXDOME product range please contact our Sales Team on 0121 530 4230.

1. Determine the size
Finished Roof Opening Size = Rooflight Size

2. Select the upstand
SF15= 150mm splayed insulated upstand
RO16=160mm vertical insulated upstand

3. Select the glazing
Single, Double, Triple, Quadruple Clear, Diffused
PC = Polycarbonate
Available in square, rectangle, circular or pyramid

4. Operation
Fixed, Manual Hinge or Electric Hinge

5. Background ventilation
Hit and Miss Ventilation – only available in splayed upstands

6. Accessories and Control Panels
A complete list of accessories is available on page 38. Refer to the technical data sheet for all compatible accessory options per product.

All units

Before commencing assembly, pre-drill the base of the upstand with holes of a suitable size to accept the fixings selected to suit the roof structure. They should be positioned 30mm in from the edge of the base flange, 75mm from the corners and at approximately 300mm centres.

Fixed unit assembly

Pre-drill the base of the upstand (A) as above. Position the glazing assembly (C) onto the upstand. Ensure that clearances are even all round and fix glazing assembly (C) to the upstand (A) with the self-tapping screws (C8). Snap in the security caps (C9). Snap on cover caps (CIO).
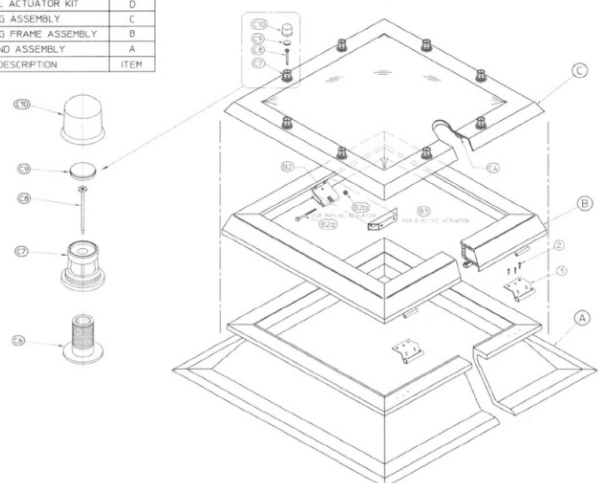
Manual opening assembly

Pre-drill the base of the upstand (A) as above. Position the glazing assembly (C) onto the opening frame (B). Ensure that clearances are even all round and fix glazing assembly (C) to the opening Frame (B) with the self-tapping screws (CS). Snap in the security caps (C9). Snap on cover caps (CI 0). After fitting the rooflight to the structure, fit the manual actuator (D3) using pivot location screws (DS), Bolt (B2a) and nut (B2b). Open and close the unit a few times to ensure it is functioning correctly.
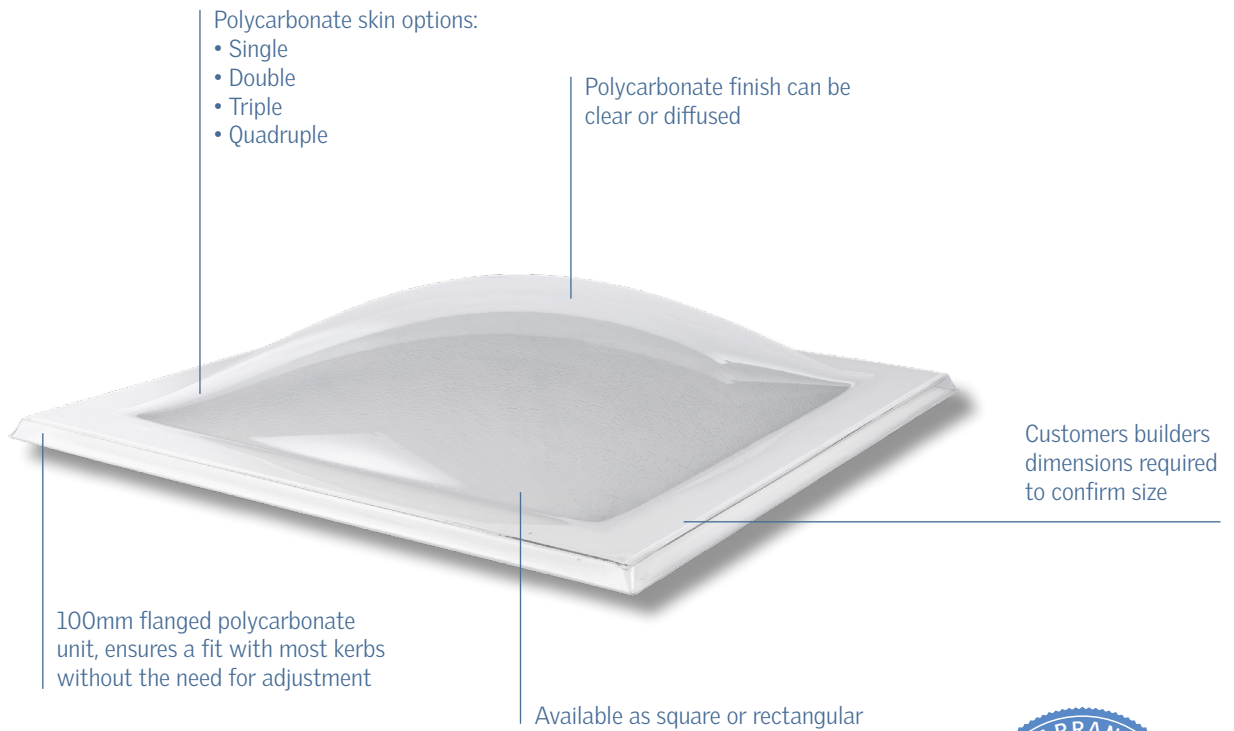
Electric opening assembly

Pre-drill the base of the upstand (A) (see left). Position the glazing assembly (C) onto the opening frame (B). Ensure that clearances are even all round and fix glazing assembly (C) to the opening Frame (B) with the self-tapping screws (CS). Snap in the security caps (C9). Snap on cover caps (CI 0). Connect the Chain Drive to the power supply using parts (ES) & (E6) and wiring diagram (E7). Ensure to allow sufficient slack for actuator movement during operation. Note for the actuator to stop in any position it must be connected to the power supply using the wiring diagram (E7), and not as shown in the diagram on the actuator body. Open and close the unit a few times to ensure it is functioning correctly. Before commencing fixing of COXDOME Classic Range rooflights, ensure that roof deck is flat and smooth for at least 200mm around roof opening. Bed the rooflight on a bed of mastic ensuring an adequate seal. Lay rooflight upstand in correct position and fix using 65-75mm No.10 or No.12 Stainless Steel wood screws (not supplied) at approximately 300mm centres and 75mm in from each corner.

DESCRIPTION	ITEM
ELECTRIC ACTUATOR KIT	E
MANUAL ACTUATOR KIT	D
GLAZING ASSEMBLY	C
OPENING FRAME ASSEMBLY	B
UPSTAND ASSEMBLY	A

NOTE: If specified, these rooflights can be fixed to: Concrete kerbs using proprietary plugs and wood screws (not supplied). Proprietary metal kerbs with M6 bolts and nuts (not supplied).

Polycarbonate skin options:
• Single
• Double
• Triple
• Quadruple

Polycarbonate finish can be clear or diffused

Customers builders dimensions required to confirm size

100mm flanged polycarbonate unit, ensures a fit with most kerbs without the need for adjustment

Available as square or rectangular

*Designed to be fitted to existing builder's kerb
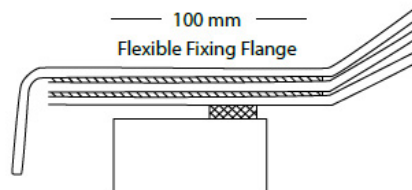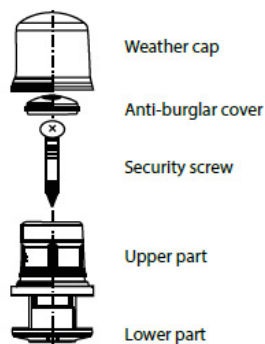
10 YEAR WARRANTY

Fixing and Handling Instructions

Important:

Check that consignment is received in good order. No claims for damages, breakages or shortages can be considered unless marked on haulier's copy or delivery note and a written claim made within 3 days to the address below. Store rooflights on edge, under cover, in a dry place. Separating pieces should be inserted between each rooflight. Rooflights must NOT be stacked on top of each other.

Fitting Instructions

COXDOME Rooflights are supplied undrilled, in order to facilitate on site, positioning of the fixings to suit your kerb.

Weather cap

Anti-burglar cover

Security screw

Upper part

Lower part

100 mm
Flexible Fixing Flange

To drill the Dome

Using the centres shown in the chart as a guide –
Drill a 6mm pilot hole through all the rooflight skins.
Drill a 14mm dia. hole through all of the rooflight skins.

To install the fixing

Pass the Under Cap up through the drilled hole. Screw the Upper Cap on to the Under Cap. Tighten the Under Cap using a 6mm Allen Key.

To drill the Kerb where necessary
(i.e. if either concrete or metal)

Position and align the dome on top of the kerb. At each fixing position spot drill the kerb using a 6mm dia. drill.
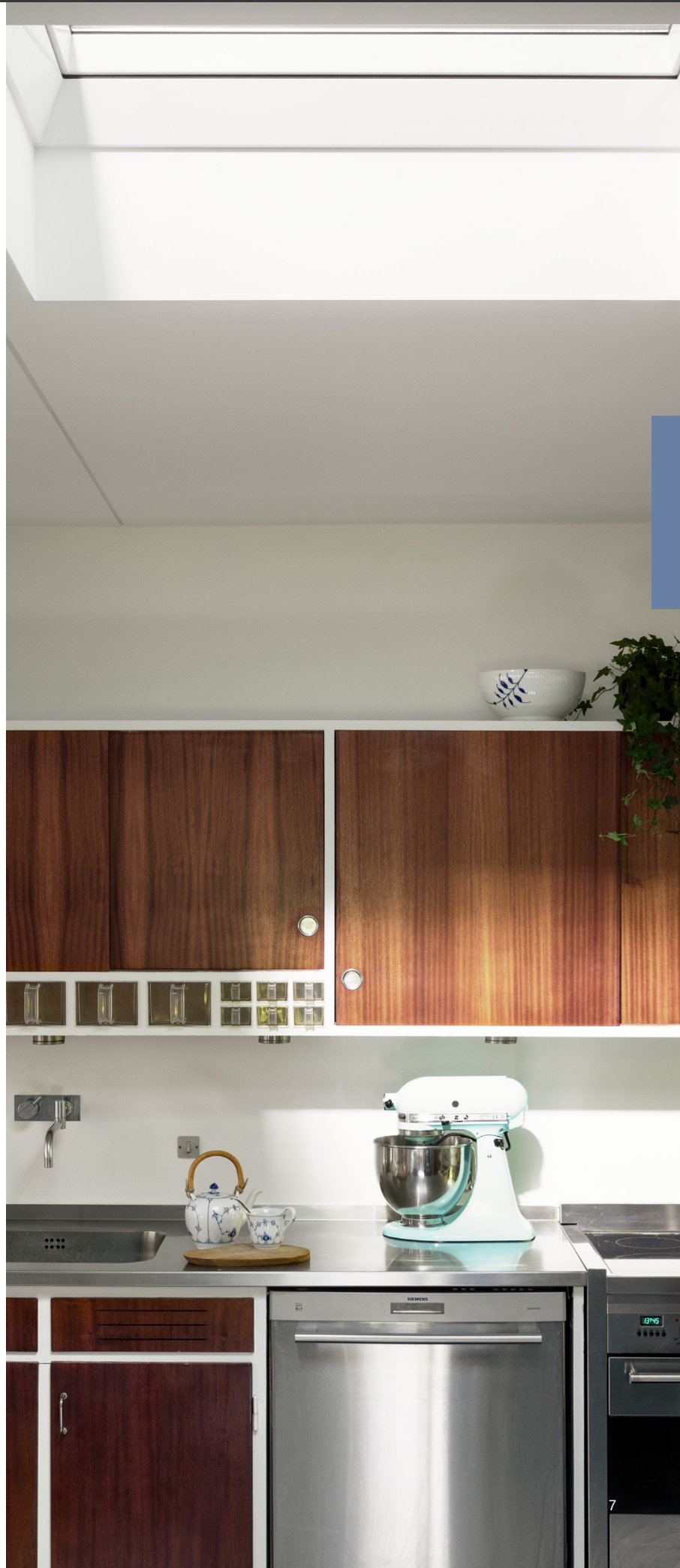Remove the dome and drill fixing holes as required.

To fix the dome to the kerb

Adhere the weather strip (supplied loose) to the inner glazing. Ensure that the seal runs inboard of the fixings.

DO NOT stretch the weather seal.
DO NOT take round corners but cut and overlap at corners.

Reposition the Dome on top of the kerb and secure in position using the screws supplied.
Press on the Anti-burglar Cover and Cover Cap.

NO. OF HOLES	DIM C HOLE CTRS	DIM B HOLE CTRS	ROOFLIGHT SIZE MM
16	2 x 432	4 x 521	1200 x 2400
14	2 x 432	3 x 492	1200 x 1800
12	2 x 432	2 x 582	1200 x 1500
12	2 x 357	2 x 582	1050 x 1500
12	1 x 555	3 x 492	900 x 1500
12	1 x 555	2 x 432	900 x 1800
12	1 x 705	1 x 555	750 x 900
12	1 x 255	3 x 492	600 x 1800
12	1 x 255	2 x 582	600 x 1500
12	1 x 255	2 x 432	600 x 1200
12	1 x 255	1 x 555	600 x 900
16	3 x 492	3 x 492	1800 x 1800
12	2 x 582	2 x 582	1500 x 1500
12	2 x 432	2 x 432	1200 x 1200
12	2 x 357	2 x 357	1050 x 1050
12	1 x 555	1 x 555	900 x 900
8	1 x 405	1 x 405	750 x 750
8	1 x 255	1 x 255	600 x 600

Fitting Instructions

COXDOME Rooflights are supplied undrilled, in order to facilitate on site, positioning of the fixings to suit your kerb.

To drill the Dome

Using the centres shown in the chart as a guide –
Drill a 6mm pilot hole through all the rooflight skins.
Drill a 14mm dia. hole through all of the rooflight skins.

To install the fixing

Pass the Under Cap up through the drilled hole.
Screw the Upper Cap on to the Under Cap.
Tighten the Under Cap using a 6mm Allen Key.

To drill the Kerb where necessary
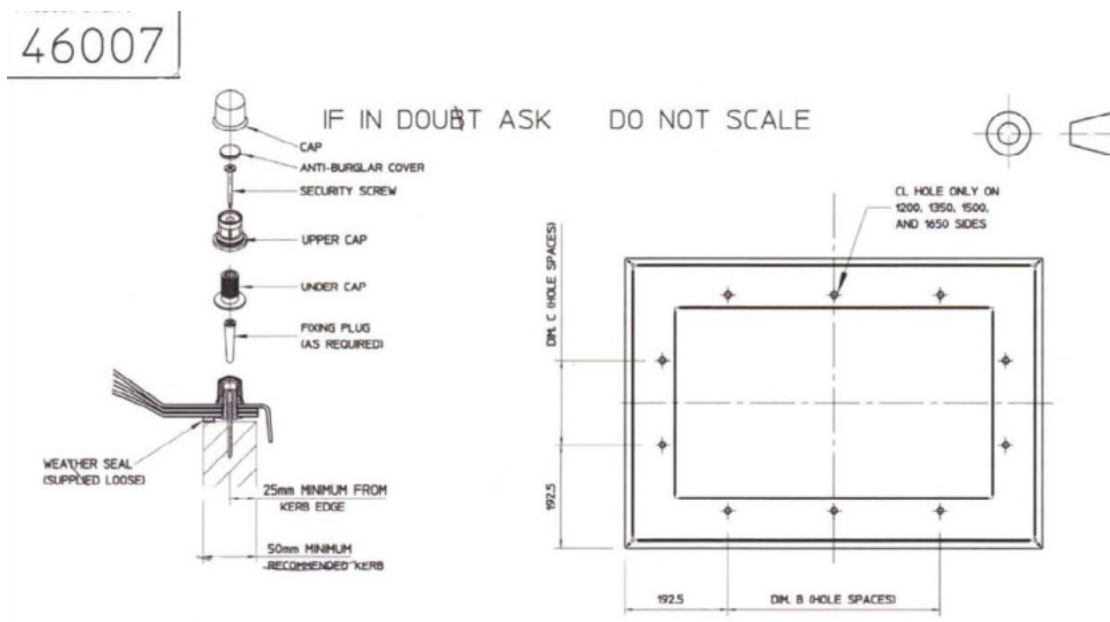(i.e. if either concrete or metal)

Position and align the dome on top of the kerb.
At each fixing position spot drill the kerb using a 6mm dia. drill.
Remove the dome and drill fixing holes as required.

To fix the dome to the kerb

Adhere the weather strip (supplied loose) to the inner glazing.
Ensure that the seal runs inboard of the fixings.

DO NOT stretch the weather seal.
DO NOT take round corners but cut and overlap at corners.

Reposition the Dome on top of the kerb and secure in position using the screws supplied.
Press on the Anti-burglar Cover and Cover Cap.

How to Choose Your Rooflight

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1. Determine the size
Existing kerb size required. Please refer to the price list for minimum and maximum kerb dimensions

2. Select the upstand
Single, Double, Triple, Quadruple
Clear, Diffused
PC = Polycarbonate
Available in square or rectangle

Lockable handle

Polycarbonate Skins – Double, Triple, Quadruple

Polycarbonate finish – Clear/Diffused

Orientation – Square, Rectangle

Upstand – 150mm splayed (Occasional use)
160mm Vertical (Frequent use)

*Installation and selection criteria the same as classic range
*Used to access the roof area

Safe Choice for Glazing
Laminated Inner Pane
Non fragile CWCT Class 2
in accordance with CWCT TN 67

WARRANTY
10 YEAR
WARRANTY

U Values - Domes

	Glazing	Light Transmission	cc	"Ud Value"	Sound Reduction (dB)	Fire Classification	Impact Resistance
SINGLE	Clear	90%	87%	5.3W/m²K*	12 dB	1-3mm: B -s1-d0	> 200 N/mm²
DOUBLE	Clear	77%	67%	2.6W/m²K*	20 dB	1-3mm: B -s1-d0	> 200 N/mm²
	Diffused	77%	67%				
TRIPLE	Clear	71%	57%	1.7W/m²K*	22 dB	1-3mm: B -s1-d0	> 200 N/mm²
	Diffused	71%	57%				
QUADRUPLE	Clear	66%	49%	1.3W/m²K*	23 dB	1-3mm: B -s1-d0	> 200 N/mm²
	Diffused	66%	49%				

1.0 U Value reduced heat loss from your home

6mm toughened outer pane

Slick and contemporary look with 75mm wide black border

35 dB sound insulation reduces external noise transfer into the living space

Powder coated aluminum slate grey RAL 7015

160mm UPVC vertical upstand means more daylight area

9.5mm laminated inner pane for added safety (non-fragile) across all sizes

• If lid only then customers EXTERNAL dimensions required
• Customers opening dimensions or builders kerb dimensions required to confirm size
• Lid only or fixed, manual opening or electrical opening options available
• If customer is having an upstand then opening space is required

MADE IN THE UK
MADE IN THE UK

Safe Choice for Glazing
Laminated Inner Pane
Non fragile CWCT Class 2
in accordance with CWCT TN 67

WARRANTY
10 YEAR
WARRANTY

The rooflight should be delivered in undamaged packaging, please check delivery immediately and report any shortages.
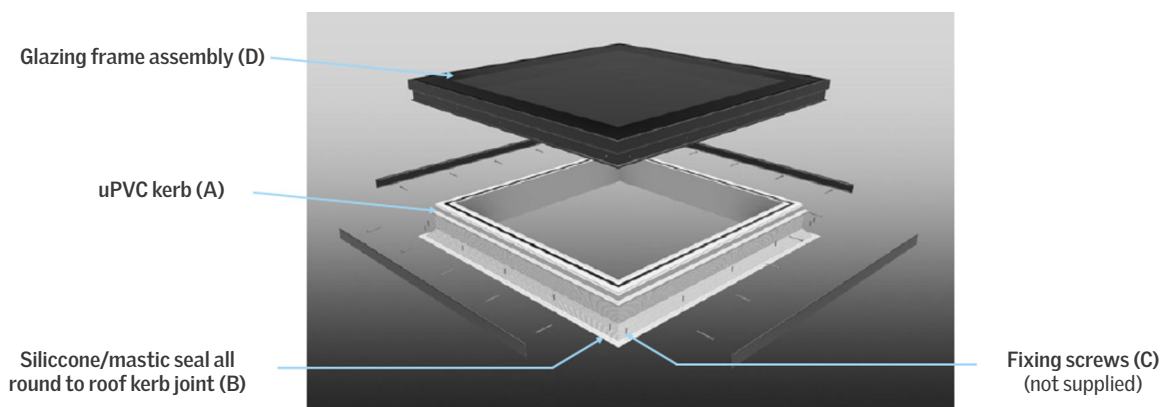
What's in the box:

• 1No. fully assembled rooflight uPVC Kerb
• 1No. Fully assembled double glazed unit and frame
• Screws to fix glazed frame to kerb
• 4No. Clip covers to conceal fixings

What's NOT in the box:

• Silicone/mastic or expanding foam seal
• Fixings to fix kerb to roof (this is due to differing roofing materials)

Before commencing installation

• Ensure working area is safe and free from debris that may damage the unit or compromise the integrity of the seal.
• Ensure roof area has a flat surface minimum 100mm around the roof opening.
• Tools required for the installation of this rooflight:
    • Silicone/mastic sealant or compressible foam seal or similar.
    • Screwdriver suitable for chosen fixings flat, cross point (phillips) etc.
    • Riveting tool.
    • 5mm Diameter drill bit.
    • Small rubber mallet.

Glazing frame assembly (D)

uPVC kerb (A)

Siliccone/mastic seal all round to roof kerb joint (B)

Fixing screws (C) (not supplied)

Installation:

1. Check fit of kerb (A) by loosely fitting over roof opening, once satisfied remove rooflight.

2. Apply a liberal continuous bead of silicone/mastic (B) around the top face of the rooflight opening (not supplied) or an unbroken expanding foam seal as appropriate (not supplied).

3. Replace kerb (A) into position and bed down into silicone/mastic or expanding foam seal.

4. Screw fix the kerb (A) to the roof structure through the fixing flange using appropriate screws (C) for the roof structure (not supplied). Screws should be positioned 50mm from each corner, and a maximum 400mm centres thereafter.

5. When satisfied with the installation apply roofing membrane in accordance with the membrane manufacturers instructions.

6. Lift the glass assembly (E) into place on top of the kerb.

7. Ensure glass assembly is central on frame and drill through the predrilled holes with 5mm diameter drill bit into the PVC frame and fix with screws provided, care to be taken not to drill through inner face of kerb.

8. Tap on clip covers with a small rubber mallet taking care not to damage cover.

Lumiglaze

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1. Determine the size
Finished Roof Opening Size = Rooflight Size

2. Select the upstand
Available in Lid Only option or
RO160=160mm vertical insulated upstand

3. Operation
Fixed, Manual Hinge or Electric Hinge

4. Accessories and Control Panels
A complete list of accessories is available on our website. Refer to the technical data sheet for all compatible accessory options per product.

Minimum accessories required are a smoke detector and control panel

Actuator can be offset to allow for a larger access area

Polycarbonate skin options:
• Single
• Double
• Triple
• Quadruple

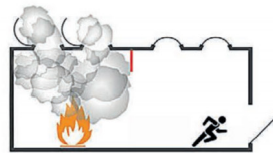Polycarbonate finish can be clear or diffused

160mm UPVC vertical upstand means more daylight area
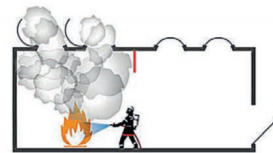
Available as square or rectangular

Can be supplied with a comfort switch to operate for natural ventilation
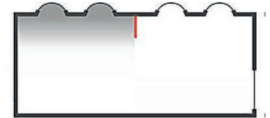
MADE IN THE UK

10 YEAR WARRANTY

Classified as a lifesaving device
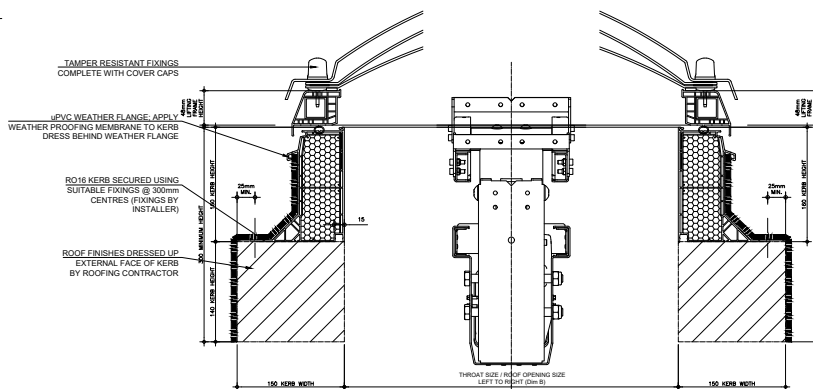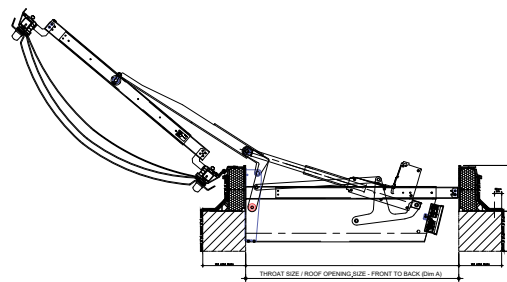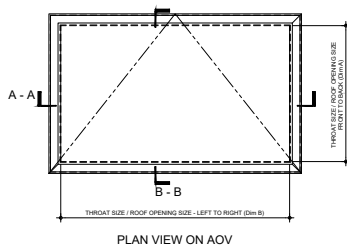
1. SHEV opens immediately and aids evacuation

2. Safer and easier to fight fire

3. Damage is avoided or contained

THROAT SIZE / ROOF OPENING SIZE FRONT TO BACK (Dim A)

A - A

B - B

THROAT SIZE / ROOF OPENING SIZE - LEFT TO RIGHT (Dim B)

PLAN VIEW ON AOV
1no REQUIRED AS SHOWN

THROAT SIZE / ROOF OPENING SIZE - FRONT TO BACK (Dim A)

SECTION B - B

TAMPER RESISTANT FIXINGS COMPLETE WITH COVER CAPS

uPVC WEATHER FLANGE: APPLY WEATHER PROOFING MEMBRANE TO KERB DRESS BEHIND WEATHER FLANGE

RO16 KERB SECURED USING SUITABLE FIXINGS @ 300mm CENTRES (FIXINGS BY INSTALLER)

ROOF FINISHES DRESSED UP EXTERNAL FACE OF KERB BY ROOFING CONTRACTOR

THROAT SIZE / ROOF OPENING SIZE LEFT TO RIGHT (Dim B)

150 KERB WIDTH

150 KERB WIDTH

SECTION A - A

AOV (SHEV)

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1. Determine the size
Finished Roof Opening Size = Rooflight Size

2. Select the upstand
RO16=160mm vertical insulated upstand
Must be fitted onto a timber ground to achieve the 300mm high requirement above the finished roof level

3. Select the glazing
Single, Double, Triple, Quadruple Clear, Diffused
PC = Polycarbonate
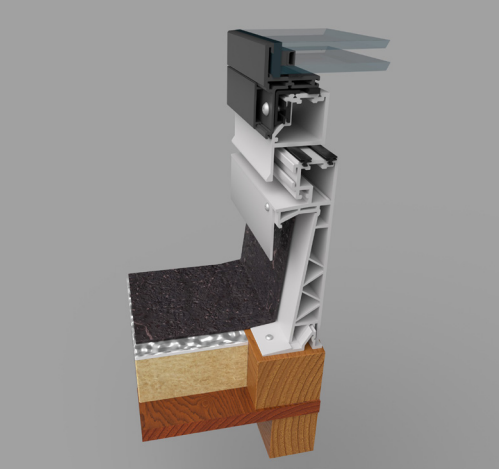Available in square, rectangle

4. Actuator
Standard (central position) or Offset (to allow for access)

5. Accessories and Control Panels
A complete list of accessories is available on our website. Refer to the technical data sheet for all compatible accessory options per product.

	Height	Material	Profile Width	"U" Value	Fire Resistance
 SF15 - 150mm splayed upstand	150 mm	PVC-u	25 mm	1.8 W/m²k	D-s3-d1
 RO16 - 160mm vertical upstand	160 mm	PVC-u	65 mm	0.2 W/m²K Without insulation 1.0 W/m²K	D

Inside Sales

COXDOME
0121 530 4230
sales@coxdome.co.uk

External Sales

Dean Phillips
0773 3003 865
dean.phillips@coxdome.co.uk

www.coxdome.co.uk

SEE THE LIGHT WITH COXDOME ROOFLIGHT PRODUCTS

VELUX®

Commercial

Version 1.0