



COXDOME®

SEE THE LIGHT WITH COXDOME  
ROOFLIGHT PRODUCTS

Version 1.0

[coxdome.co.uk](http://coxdome.co.uk)



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## Company Profile

COXDOME is part of VELUX Commercial, a business division in the VELUX Group that continues to operate in the UK as COXDOME.

COXDOME is a UK rooflight manufacturer that has specialised in daylight and ventilation solutions since 1954. For over 65 years, COXDOME has provided a wide range of plastic and glass daylight solutions.

Daylight improves well-being and gives building occupants an energy boost at home and at work when rooflights are available to let in natural light.



## Coverage, Support and Service

Based from our office in Tipton, England, COXDOME is ideally located to service the entire UK.

We offer full sales and technical advice, and can assist with your project from enquiry through to after sales support. Whether it is assistance with specifying the right product or help with site surveying, our experienced, knowledgeable team are only a phone call away.

Telephone: 0121 530 4230  
E-mail: [sales@coxdome.co.uk](mailto:sales@coxdome.co.uk)  
Web: [coxdome.co.uk](http://coxdome.co.uk)

# Driven by Daylight

## Why Choose our Products?

People spend up to 90 percent of their time indoors. Whether at work, home or in public spaces we are often surrounded by artificial light. In many respects this is a convenient light source, but it cannot stimulate our mind and senses to the same extent as natural light and fresh air.

Daylight is essential in helping to transform spaces and improving occupant comfort and well-being. By creating brighter, healthier, and more sustainable places to live, work, learn and play, we enable a better everyday life for people around the world.

Natural ventilation also plays a key role in sustainable approaches to design. Ventilation provides additional comfort and can remove unwanted toxins from inside a building.

A reliance on air conditioning is also reduced when rooflights provide fresh air as an alternative cooling option.

COXDOME rooflights enable us to benefit from the positive effects of natural daylight and ventilation. We have developed several designs that can be integrated into any type of public or commercial building.

All COXDOME products are designed to meet high technical requirements. Sophisticated designs offer energy-efficient products based on cost-effective building maintenance, and special glazing technology provides maximum light output for internal rooms.





# Sustainability Promise

As part of VELUX Commercial, COXDOME is committed to becoming Lifetime Carbon Neutral in line with the VELUX Group's Sustainability Strategy 2030. The VELUX Group has made the commitment to capture the historical CO<sub>2</sub> emissions and reach carbon neutrality by 2041 — the centennial anniversary of VELUX.

Sustainable buildings can have a positive impact on both people and the planet. A core purpose of VELUX Commercial is to contribute to a better indoor climate that improves well-being, as well as helping to reduce energy consumption through the introduction of daylight in commercial building spaces.

To capture our historical carbon footprint, we have joined the VELUX Group in their 20-year-long partnership with WWF (Worldwide Fund for Nature) on forest and nature conservation projects around the world.

Going forward, we will drive down our future carbon emissions by accelerating our investments in energy efficiency, shift to 100% renewable electricity, as well as change the way we specify and purchase materials for our products.

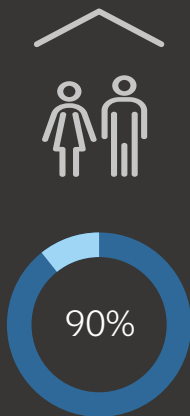
We all need a healthy home – including mother nature. With our new sustainability strategy, we are doing everything we can to make that happen.



# Facts and figures

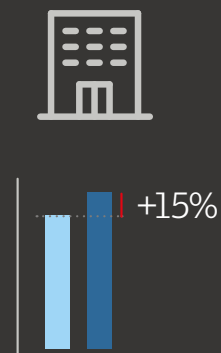
People spend about 90% of their time indoors.

(Source: World Health Organization 2014)



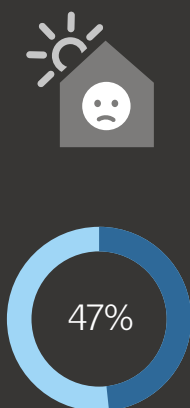
Good indoor climate with daylight and fresh air can improve office productivity by 15%.

(Source: World Green Building Council 2013)



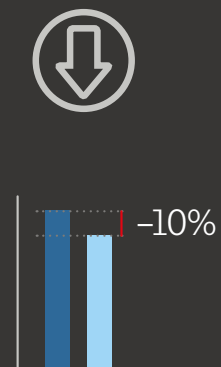
47% of office workers have no natural light in their working environment.

(Source: Human Spaces 2015)



Too high or too low temperatures in a building can decrease employee performance by up to 10%.

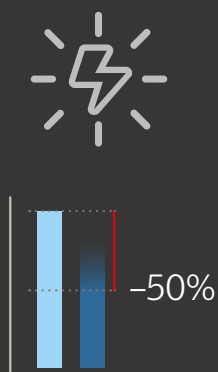
(Source: Seppänen, O., W.J. Fisk, and Q.H. Lei 2006)





Electric lighting accounts for 19% of global electricity consumption. Electricity consumption for lighting in a commercial building could be halved using daylight.

(Source: International Energy Agency SHC Task 61)



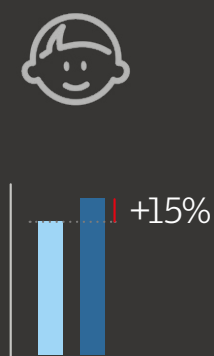
Approved smoke and heat exhaust ventilation systems are an essential part of any modern fire protection strategy.

(Source: CE classifications according to EN Standard)



Learning abilities of children increase by up to 15% in good indoor climates.

(Source: Fraunhofer – Schools in Europe 2015)



Daylight and comfort ventilation together with heat control, to prevent glare and block the heat from the sun, offer unique possibilities to create healthy, comfortable and productive indoor spaces.

(Source: Healthy Home Barometer 2016-19)



# Classic Range

Suitable for both residential and commercial purposes, a polycarbonate skin can be double, triple or quadruple – clear or diffused. Rooflights are available as fixed or vented options, as well as various sizes and shapes: square, rectangle, pyramid or circular. The upstands provided are either 160mm vertical, 150mm or 300mm splayed. The base and the top are packaged in one box for ease of transportation.





### Fixed polycarbonate dome

Classic Range rooflights are available in various shapes and sizes. The rooflight has a unique design with slim profiles for maximum incidence of daylight.



### Manual opening polycarbonate dome

The manual opening rooflight is supplied with a spindle gear to be operated from below and using a winding pole (not included). The maximum opening is approximately 300mm.



### Electric opening polycarbonate dome

The electric chain drive motor is operated by a wall mounted switch providing an opening rooflight height of approximately 300mm.





# 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



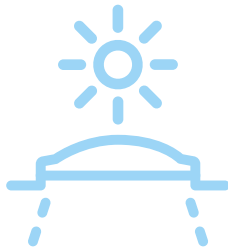
### 2. Select the upstand

SF15= 150mm splayed insulated upstand  
R016=160mm vertical insulated upstand



### 3. Select the glazing

Single, Double, Triple, Quadruple  
Clear, Diffused  
PC = Polycarbonate  
Available in square, rectangle, circular or pyramid



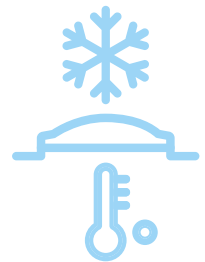
### 4. Operation

Fixed, Manual Hinge or Electric Hinge



### 5. Background ventilation

Hit and Miss Ventilation – only available in splayed upstands



### 7. 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.



# Classic Range

## COXDOME Classic Rooflights

The COXDOME Classic Range dome rooflight for flat roofs is manufactured to a high standard with double or triple glazing and a 150mm PVC-u upstand. The thermally broken upstand is manufactured from PVC-u plastic profiles to ensure thermal efficiency.

Classic Range rooflights are leading the way in terms of quality and price. The domes are available in clear, diffused or opal variants in a range of sizes between 600mm and 3,000mm.

Classic Range polycarbonate domes for flat roofs feature a universal design which provides easy installation, as well as high performance. A modular structure allows for a variety of design configurations. The thermally broken frame is manufactured from plastic profiles ensures a strong thermal performance and resilience to condensation formation, as well as excellent waterproofing properties.



### Key Features & Benefits:

- Fixed, manual and electric opening options available
- Double, triple or quadruple skins available for high performance
- Clear, diffused or opal glazing
- High Security Fixings as standard
- PVC-u Upstand
- Suitable for flat roofs, including single ply, GRP, hot melt, asphalt, liquid and lead

### Performance:

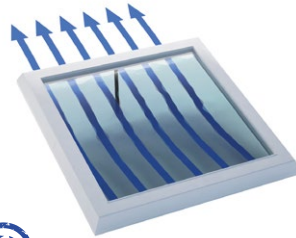
- U Value 2.7 Double Skin / Sound Reduction 20dB
- U Value 1.7 Triple Skin / Sound Reduction 22dB
- U Value 1.4 Quadruple Skin / Sound Reduction 23dB
- U Value 1.8 150mm PVC-u upstand
- CE Marking according to EN 1873
- Class B Non-Fragile, ACR(M)001 Soft Body Tested
- 3mm polycarbonate impact resistant glazing
- B-s1-d0 Fire Classification according to BS EN15301:1 2007

## Features and Capabilities



### Burglar-resistant

COXDOME products have fully reinforced frames as standard, and together with high-security fixings caps and anti-tamper screws, the glass rooflight provides maximum security and peace of mind.



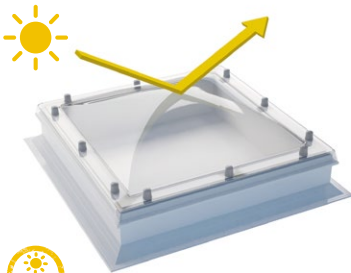
### Ventilation

Fresh air creates a pleasant living and working environment. COXDOME offer manual or electric opening options.



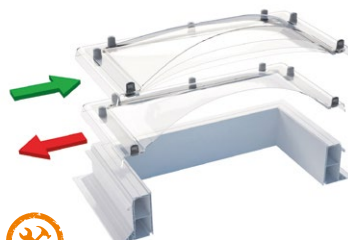
### Impact-resistant

The Classic Range Dome rooflights are particularly impact-resistant and have a high hail resistance. The rooflights meet the highest qualifications according to BS EN 1873.



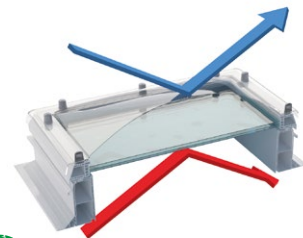
### Sun protection

COXDOME offer a variety of glazing options to reduce solar glare and increase thermal comfort for building occupants.



### Renovation

The COXDOME range offers daylight and ventilation solutions which are suitable for both new build and renovation purposes. For example, products that are suitable to be placed on an existing kerb, which results in significant savings in working time.



### Energy and noise reduction

COXDOME rooflights keep the heat in and noise out, resulting in an increase in thermal energy performance.

# Classic Range Square - Size Options

COXDOME CLASSIC RANGE SPLAYED 150mm KERB - SQUARE (FORMERLY TRADE RANGE)		
Product Code	Upstand Opening Size (mm)	Daylight Size (mm)
CRS6060	600 x 600	400 x 400
CRS6565	650 x 650	450 x 450
CRS7070	700 x 700	500 x 500
CRS7575	750 x 750	550 x 550
CRS8080	800 x 800	600 x 600
CRS8585	850 x 850	650 x 650
CRS9090	900 x 900	700 x 700
CRS9595	950 x 950	750 x 750
CRS100100	1000 x 1000	800 x 800
CRS105105	1050 x 1050	850 x 850
CRS110110	1100 x 1100	900 x 900
CRS115115	1150 x 1150	950 x 950
CRS120120	1200 x 1200	1000 x 1000
CRS125125	1250 x 1250	1050 x 1050
CRS130130	1300 x 1300	1100 x 1100
CRS135135	1350 x 1350	1150 x 1150
CRS140140	1400 x 1400	1200 x 1200
CRS145145	1450 x 1450	1250 x 1250
CRS150150	1500 x 1500	1300 x 1300
CRS155155	1550 x 1550	1350 x 1350
CRS160160	1600 x 1600	1400 x 1400
CRS165165	1650 x 1650	1450 x 1450
CRS170170	1700 x 1700	1500 x 1500
CRS175175	1750 x 1750	1550 x 1550
CRS180180	1800 x 1800	1600 x 1600
CRS185185	1850 x 1850	1650 x 1650
CRS190190	1900 x 1900	1700 x 1700

COXDOME CLASSIC RANGE SPLAYED 300mm - 150mm SPLAYED KERB + 150mm BOX SECTION - SQUARE (FORMERLY TRADE RANGE)		
Product Code	Upstand Opening Size (mm)	Daylight Size (mm)
CRSB6060	600 x 600	400 x 400
CRSB6565	650 x 650	450 x 450
CRSB7070	700 x 700	500 x 500
CRSB7575	750 x 750	550 x 550
CRSB8080	800 x 800	600 x 600
CRSB8585	850 x 850	650 x 650
CRSB9090	900 x 900	700 x 700
CRSB9595	950 x 950	750 x 750
CRSB100100	1000 x 1000	800 x 800
CRSB105105	1050 x 1050	850 x 850
CRSB110110	1100 x 1100	900 x 900
CRSB115115	1150 x 1150	950 x 950
CRSB120120	1200 x 1200	1000 x 1000
CRSB125125	1250 x 1250	1050 x 1050
CRSB130130	1300 x 1300	1100 x 1100
CRSB135135	1350 x 1350	1150 x 1150
CRSB140140	1400 x 1400	1200 x 1200
CRSB145145	1450 x 1450	1250 x 1250
CRSB150150	1500 x 1500	1300 x 1300
CRSB155155	1550 x 1550	1350 x 1350
CRSB160160	1600 x 1600	1400 x 1400
CRSB165165	1650 x 1650	1450 x 1450
CRSB170170	1700 x 1700	1500 x 1500
CRSB175175	1750 x 1750	1550 x 1550
CRSB180180	1800 x 1800	1600 x 1600
CRSB185185	1850 x 1850	1650 x 1650
CRSB190190	1900 x 1900	1700 x 1700

Lead time (estimated)

- 2-3 days
  3-5 days
  5-7 days
- 2-3 weeks
  5-6 weeks



# Classic Range Rectangle - Size Options

COXDOME CLASSIC RANGE SPLAYED 150mm KERB - RECTANGLE (FORMERLY TRADE RANGE)		
Product Code	Upstand Opening Size (mm)	Daylight Size (mm)
CRR6090	600 x 900	400 x 700
CRR60120	600 x 1200	400 x 100
CRR70100	700 x 1000	500 x 800
CRR70120	700 x 1200	500 x 1000
CRR70130	700 x 1300	500 x 1100
CRR70190	700 x 1900	500 x 1700
CRR75090	750 x 900	550 x 700
CRR80110	800 x 1100	600 x 900
CRR80140	800 x 1400	600 x 1200
CRR90120	900 x 1200	700 x 1000
CRR90150	900 x 1500	700 x 1300
CRR90180	900 x 1800	700 x 1600
CRR100120	1000 x 1200	800 x 1000
CRR100130	1000 x 1300	800 x 1100
CRR100150	1000 x 1500	800 x 1300
CRR100180	1000 x 1800	800 x 1600
CRR100190	1000 x 1900	800 x 1700
CRR100200	1000 x 2000	800 x 1800
CRR100240	1000 x 2400	800 x 2200
CRR100250	1000 x 2500	800 x 2300
CRR100300	1000 x 2700	800 x 2500
CRR110140	1100 x 1400	900 x 1200
CRR110150	1100 x 1500	900 x 1300
CRR110170	1100 x 1700	900 x 1500
CRR110180	1100 x 1800	900 x 1600
CRR120150	1200 x 1500	1000 x 1300
CRR120170	1200 x 1700	1000 x 1500
CRR120180	1200 x 1800	1000 x 1600
CRR120200	1200 x 2000	1000 x 1800
CRR120210	1200 x 2100	1000 x 1900
CRR120220	1200 x 2200	1000 x 2000
CRR120240	1200 x 2400	1000 x 2200
CRR120250	1200 x 2500	1000 x 2300
CRR120270	1200 x 2700	1000 x 2500
CRR120300	1200 x 3000	1000 x 2800
CRR130150	1300 x 1500	1100 x 1300
CRR130190	1300 x 1900	1100 x 1700
CRR130200	1300 x 2000	1100 x 1800
CRR130220	1300 x 2200	1100 x 2000
CRR130250	1300 x 2500	1100 x 2300
CRR140200	1400 x 2000	1200 x 1800
CRR140250	1400 x 2500	1200 x 2300
CRR150180	1500 x 1800	1300 x 1600
CRR150210	1500 x 2100	1300 x 1900
CRR150240	1500 x 2400	1300 x 2200
CRR150250	1500 x 2500	1300 x 2300
CRR150270	1500 x 2700	1300 x 2500
CRR150300	1500 x 3000	1300 x 2800
CRR180240	1800 x 2400	1600 x 2200
CRR180250	1800 x 2500	1600 x 2300
CRR180270	1800 x 2700	1600 x 2500
CRR180300	1800 x 3000	1600 x 2800

COXDOME CLASSIC RANGE SPLAYED 300mm - 150mm SPLAYED KERB + 150mm BOX SECTION - RECTANGLE (FORMERLY TRADE RANGE)		
Product Code	Upstand Opening Size (mm)	Daylight Size (mm)
CRRB6090	600 x 900	500 x 700
CRRB60120	600 x 1200	400 x 100
CRRB70100	700 x 1000	500 x 800
CRRB70120	700 x 1200	500 x 1000
CRRB70130	700 x 1300	500 x 1100
CRRB70190	700 x 1900	500 x 1700
CRRB80110	800 x 1100	600 x 900
CRRB80140	800 x 1400	600 x 1200
CRRB90120	900 x 1200	700 x 1000
CRRB90150	900 x 1500	700 x 1300
CRRB90180	900 x 1800	700 x 1600
CRRB100120	1000 x 1200	800 x 1000
CRRB100130	1000 x 1300	800 x 1100
CRRB100150	1000 x 1500	800 x 1300
CRRB100180	1000 x 1800	800 x 1600
CRRB100190	1000 x 1900	800 x 1700
CRRB100200	1000 x 2000	800 x 1800
CRRB100240	1000 x 2400	800 x 2200
CRRB100250	1000 x 2500	800 x 2300
CRRB100300	1000 x 3000	800 x 2800
CRRB110140	1100 x 1400	900 x 1200
CRRB110150	1100 x 1500	900 x 1300
CRRB110170	1100 x 1700	900 x 1500
CRRB110180	1100 x 1800	900 x 1600
CRRB120150	1200 x 1500	1000 x 1300
CRRB120170	1200 x 1700	1000 x 1500
CRRB120180	1200 x 1800	1000 x 1600
CRRB120200	1200 x 2000	1000 x 1800
CRRB120210	1200 x 2100	1000 x 1900
CRRB100220	1200 x 2200	1000 x 2000
CRRB120240	1200 x 2400	1000 x 2200
CRRB120250	1200 x 2500	1000 x 2300
CRRB120270	1200 x 2700	1000 x 2500
CRRB120300	1200 x 3000	1000 x 2800
CRRB130150	1300 x 1500	1100 x 1300
CRRB130190	1300 x 1900	1100 x 1700
CRRB130200	1300 x 2000	1100 x 1800
CRRB130220	1300 x 2200	1100 x 2000
CRRB130250	1300 x 2500	1100 x 2300
CRRB140200	1400 x 2000	1200 x 1800
CRRB140250	1400 x 2500	1200 x 2300
CRRB150180	1500 x 1800	1300 x 1600
CRRB150210	1500 x 2100	1300 x 1900
CRRB150240	1500 x 2400	1300 x 2200
CRRB150250	1500 x 2500	1300 x 2300
CRRB150270	1500 x 2700	1300 x 2500
CRRB150300	1500 x 3000	1300 x 2800
CRRB180240	1800 x 2400	1600 x 2200
CRRB180250	1800 x 2500	1600 x 2300
CRRB180270	1800 x 2700	1600 x 2500
CRRB180300	1800 x 3000	1600 x 2800

# Classic Range Circular - Size Options

CLASSIC RANGE CIRCULAR	
Product Code	Size (mm)
CRC60	600
CRC70	700
CRC80	800
CRC90	900
CRC100	1000
CRC110	1100
CRC120	1200
CRC140	1400
CRC150	1500
CRC180	1800
CRC200	2000

Lead time (estimated)

2-3 days 3-5 days 5-7 days  
2-3 weeks 5-6 weeks



For the latest prices, contact the sales team or scan the QR code



# Galaxy Range

The Galaxy Range is the perfect solution where only a dome lid is required and are designed to fit to an existing kerb. The 100mm flange ensure a fit with most kerbs without the need for adjustment. Polycarbonate glazing can be single, double, triple or quadruple and is available in various shapes and sizes in both clear or diffused options.





## Galaxy Range - Square

Manufactured from high quality UV protected polycarbonate, Galaxy is a 'dome only' solution designed to be fitted to existing builder's kerbs.



## Galaxy Range - Rectangle

Designed to be installed to existing kerbs or upstands, Galaxy is ideal for refurbishment projects, or applications where only the glazing is in need of replacement.



ELENA PONIAŁOWSKA TINAJIMA  
ARNON GRUNBERG TIRZA

PETER BUWALDA BONITA AVENUE  
smiling songs  
NINA SIMONE

# How to Choose Your Rooflight

## Galaxy 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

Existing kerb size required.

Please refer to the price list for minimum and maximum kerb dimensions



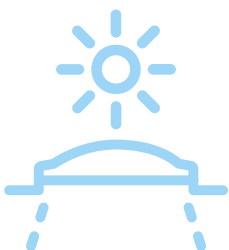
### 2. Select the glazing

Single, Double, Triple, Quadruple

Clear, Diffused

PC = Polycarbonate

Available in square or rectangle



# Galaxy Range

## COXDOME Galaxy Rooflight – Dome Only

Manufactured from high quality UV protected polycarbonate, Galaxy is a 'dome only' solution designed to fit an existing kerb or upstand.

Galaxy is ideal for refurbishment projects or applications where only the glazing needs replacing. The 100mm flange ensures it fits to most kerbs without the need for adjustment and where only the glazing needs replacing if damaged or discoloured.



### Key Features & Benefits:

- Designed to be installed to existing kerbs
- 100mm flanged polycarbonate unit, ensures a fit with most kerbs without the need for adjustment
- Ideal for refurbishments where only glazing needs to be replaced

### Performance:

- Manufactured using 3mm polycarbonate which achieves B-s1-d0 and therefore attains Class 1 certification (according to EN 13501-1:2007)
- Class B non-fragile to ACR[M]001
- Class 1 fire performance to BS476 Pt7
- U-value 1.7 Triple Skin
- Installation angle 0-15°
- All sizes available in single, double, triple and quadruple skin
- Clear or diffused glazing options



# Galaxy Range - Size Options

COXDOME GALAXY (DOME ONLY)			
Product Code	Size	Minimum Ext. Kerb Size	Maximum Ext. Kerb Size
CGAL606	600 x 600	510 x 510	610 x 610
CGAL6090	600 x 900	510 x 810	610 x 910
CGAL60120	600 x 1200	510 x 1120	610 x 1220
CGAL60180	600 x 1800	510 x 1730	610 x 1830
CGAL7575	750 x 750	660 x 660	760 x 760
CGAL7590	750 x 900	660 x 810	760 x 910
CGAL9090	900 x 900	810 x 810	910 x 910
CGAL90120	900 x 1200	810 x 1120	910 x 1220
CGAL90180	900 x 1800	810 x 1730	910 x 1830
CGAL105105	1050 x 1050	970 x 970	1070 x 1070
CGAL105150	1050 x 1500	970 x 1420	1070 x 1520
CGAL120120	1200 x 1200	1120 x 1120	1220 x 1220
CGAL120180	1200 x 1800	1120 x 1730	1220 x 1830
CGAL120240	1200 x 2400	1120 x 2340	1220 x 2440
CGAL150150	1500 x 1500	1420 x 1420	1520 x 1520
CGAL180180	1800 x 1800	1730 x 1730	1830 x 1830



For the latest prices, contact the sales team or scan the QR code

Lead time (estimated)

- 2-3 days
  3-5 days
  5-7 days
- 2-3 weeks
  5-6 weeks

# Lumiglaze

Lumiglaze is a double-glazed rooflight with a toughened outer pane and laminated inner pane for additional safety. Available in fixed, manual or electric venting options. Lumiglaze is available with a uPVC upstand or lid-only solution for installation into a pre-formed timber kerb.





### Fixed flat glass rooflight

The Lumiglaze rooflight is flat glass solution with a clean modern design.



### Manual opening flat glass rooflight

The Lumiglaze manual opening rooflight is supplied with a spindle gear to be operated from below and using a winding pole (not included). The maximum opening is approximately 300mm.



### Electric opening flat glass rooflight

The electric chain drive motor is operated by a wall mounted switch providing an opening rooflight height of approximately 300mm.



### Flat glass rooflight – lid only

The lid is designed to be installed onto a new or existing upstand with a horizontal 50mm wide flat kerb top.



# How to Choose Your Rooflight

## Lumiglaze

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

Available in Lid Only option or  
R016=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 page 38.

Refer to the technical data sheet for all compatible accessory options per product.



# Lumiglaze

## COXDOME Lumiglaze Flat Glass Rooflight

Lumiglaze Flat Glass Rooflight for flat roofs is manufactured to a high standard with a double-glazed unit, aluminium frame and a 160mm PVC-u upstand. The thermally broken upstand ensures a strong thermal performance and resilience to condensation formation. The powder coated aluminium frame provides an unrivalled design aesthetic and elegant finish. Lumiglaze flat glass rooflights are leading the way in terms of quality and price and are available in a range of sizes between 600mm and 2,400mm.

The Flat Glass Rooflight range allows you to enjoy pure and natural daylight with clear panoramic views. The skylight has a clean modern design that looks great on the roof. A toughened outer glass pane has a ceramic edge coating to give a stylish finish. The range comes complete with a 160mm high vertical insulated PVC upstand made to suit a new or existing roof opening.

The slim aluminium frame has an internal thermal break which makes the rooflight energy efficient whilst also reducing the risk of condensation. The skylight comes complete with concealed fixing screws installed beneath the flush cover.



### Key Features & Benefits:

- Fixed, lid only, manual or electric hinge opening
- Ideal for new build and refurbishment projects
- Uninterrupted glass surface offers pure daylight
- Clear panoramic views internally
- Clean appearance from external roofscape
- Installation angle 3-7°
- 6mm toughened outer glass pane
- Ceramic edge coating
- Internal thermal break
- High security fixings as standard
- Fixing screws concealed with flush cover for invisibility

### Performance:

- U Value 1.0
- Sound reduction 35dB

# Lumiglaze - Size Options

COXDOME LUMIGLAZE (FORMERLY FLUSH GLAZE)		
Product Code	Finished Opening Size (mm)	Overall Glass Size (mm)
CLG6060	600 x 600	750 x 750
CLG6090	600 x 900	750 x 1050
CLG60120	600 x 1200	750 x 1350
CLG7070	700 x 700	850 x 850
CLG8080	800 x 800	950 x 950
CLG9090	900 x 900	1050 x 1050
CLG90120	900 x 1200	1050 x 1350
CLG100100	1000 x 1000	1150 x 1150
CLG100150	1000 x 1500	1150 x 1650
CLG100200	1000 x 2000	1150 x 2150
CLG120120	1200 x 1200	1350 x 1350
CLG120220	1200 x 2200	1350 x 2350



For the latest prices, contact the sales team or scan the QR code

Lead time (estimated)

2-3 days
  3-5 days
  5-7 days

2-3 weeks
  5-6 weeks



# AOV (SHEV)

COXDOME Automatic opening vent (AOV), also known as Smoke and heat exhaust ventilation (SHEV) solutions are suitable for commercial and residential applications.

Our AOV (SHEV) systems help to provide smoke extraction in the event of a fire and day-to-day controllable ventilation. Polycarbonate glazing can be double, triple or quadruple and are available in various shapes and sizes in both clear or diffused options.







### AOV (SHEV)

AOV (SHEV) systems are suitable for comfort ventilation as well as roof access.



### AOV (SHEV) with access

Systems can be linked to a central control panel with battery back-up in case of main electricity failure.



# How to Choose Your Rooflight

## AOV (SHEV)

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



### 4. Actuator

Standard (central position) or Offset (to allow for access)

### 2. Select the upstand

R016=160mm vertical insulated upstand

Must be fitted onto a timber ground to achieve the 300mm high requirement above the finished roof level



### 5. Accessories and Control Panels

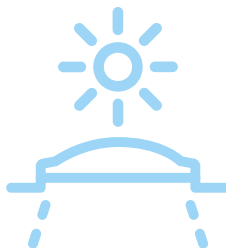
A complete list of accessories is available on page 38.

Refer to the technical data sheet for all compatible accessory options per product.



### 3. Select the glazing

Single, Double, Triple, Quadruple  
Clear, Diffused  
PC = Polycarbonate  
Available in square or rectangle



# AOV (SHEV)

## COXDOME AOV (SHEV)

COXDOME AOV (SHEV) systems provide a smoke and heat exhaust ventilation solution for all commercial and residential applications. Supplied factory assembled and factory tested, all products are certified to EN12101-2. AOV (SHEV) systems not only help to provide smoke extraction in the event of a fire, but they also provide day-to-day controllable ventilation. Available with clear or obscure polycarbonate glazing to enhance the building's natural daylight, or with a fully insulated aluminium solid cover.

The COXDOME AOV (SHEV) range is available in a wide range of sizes and complies with the latest building regulations on fire safety. The solution can also be integrated into any Building Management System (BMS) or linked to a central control. Control panels can be triggered by manual override switches local to the ventilator and the ground floor by dedicated smoke detectors or by interfacing with a third-party smoke detection/fire alarm system. The BMS is complete with battery backup in case of mains failure.



### Key Features & Benefits:

- Smoke and heat exhaust ventilation solution for all commercial and residential applications
- Supplied factory assembled and factory tested
- Provides smoke extraction in the event of a fire
- The motor can be offset to provide access as well as smoke ventilation
- Provide day-to-day controllable ventilation
- Complies with the latest building regulations on fire safety
- Can be integrated into any Building Management System
- Central control panel complete with battery backup in case of mains failure
- Available with clear or obscure polycarbonate glazing to enhance the building's natural daylight
- Suitable for installation on a roof pitch between 0° and 15°

### Performance:

- EN12101-2 certified
- Available from 700mm to 1200mm and 700mm to 2250mm
- Opens to 140°
- Galvanised steel mechanism
- Glazed polycarbonate or solid aluminium cover
- Extremely low noise level
- Compact 24V motor unit
- Aerodynamic free area up to Aa0.68m<sup>2</sup>
- Snow load up to 600N/m<sup>2</sup>
- Wind load up to 1500N/m<sup>2</sup>
- Low ambient temperature T(-15°)
- Heat exposure B300
- Reaction to Fire Class E
- Opening speed < 60 secs

# AOV (SHEV) – Size Options

COXDOME AOV 160MM UPVC VERTICAL UPSTAND (R016)	
Product Code	Upstand Opening (mm)
CAOV7070	700 x 700
CAOV7575	750 x 750
CAOV70100	700 x 1000
CAOV70130	700 x 1300
CAOV70160	700 x 1600
CAOV70220	700 x 2200
CAOV8080	800 x 800
CAOV80100	800 x 1000
CAOV80110	800 x 1100
CAOV80130	800 x 1300
CAOV80150	800 x 1500
CAOV80170	800 x 1700
CAOV9090	900 x 900
CAOV90120	900 x 1200
CAOV90150	900 x 1500
CAOV90180	900 x 1800
CAOV100100	1000 x 1000
CAOV100120	1000 x 1200
CAOV100150	1000 x 1500
CAOV100160	1000 x 1600
CAOV100180	1000 x 1800
CAOV100200	1000 x 2000
CAOV100220	1000 x 2200
CAOV105105	1050 x 1050
CAOV110110	1100 x 1100
CAOV110170	1100 x 1700
CAOV110220	1100 x 2200
CAOV120120	1200 x 1200
CAOV120150	1200 x 1500
CAOV120180	1200 x 1800



For the latest prices, contact the sales team or scan the QR code

Lead time (estimated)

- 2-3 days
  3-5 days
  5-7 days
- 2-3 weeks
  5-6 weeks

# Accessories



## Firemans Priority Switch

Allows the fire service the highest priority control to override any other alarm activations.



## Wind & Rain Sensor 24V

Detects adverse weather and automatically closes open rooflights.



## Emergency Break Glass Button

Manual emergency button to activate a fire alarm system.



## Comfort Switch (open/close)

Wall-mounted manual open/close switch for comfort ventilation on electrical rooflights.



## Control Panel

Master control for all smoke ventilation units, including electrical rooflights and accessories.



## Winding Rod

Winding rod to open rooflights manually. 102-190cm in length.



## Smoke Detector

The sensor will automatically detect smoke caused by fire and trigger AOV rooflights to open.



## AOV (SHEV) Accessories Bundle

The bundle includes a Control Panel, Fireman's Priority Switch, Emergency Break Glass Button and Smoke Detector.



## Electrical Remote and Receiver

Remote to operate Classic Range electrical-opening rooflights.

# Access Hatch

Used to access the roof area whilst also allowing daylight to enter a space, access hatches are available in various sizes. Polycarbonate skins can be double, triple or quadruple – clear or diffused. Each come with either 160mm vertical upstand (recommended for frequent use) or 150mm splayed upstand (recommended for occasional use).







## Access Hatch

Designed to allow safe and easy access onto the roof space, for frequent inspection or occasional maintenance. Suitable for use on flat roofs with maximum inclination of 15°, they also provide controlled ventilation and emergency escape access.

# Access Hatch

## COXDOME Access Hatch

Designed to allow safe and easy access onto the roof space for frequent inspection or occasional maintenance. Suitable for use on flat roofs with maximum inclination of 15°, they also provide controlled ventilation and emergency escape access.

Access hatches are used to access the roof and allow natural daylight to enter a space. Polycarbonate skins can be double, triple or quadruple – clear, diffused or opal. Each come with either 160mm vertical upstand (recommended for frequent use) or 150mm splayed upstand (recommended for occasional use).



### Key Features & Benefits:

- Units hinged along long side
- Opening angle of 85°
- R016 or SF15 splayed upstands
- UKCA marked ACR[M]001:2019 Class B
- Standard sizes available from 600 x 600mm
- Available with polycarbonate pyramidal or domes
- Clear, diffused or opal glazing in double or triple skin options
- Part L compliant in triple skin.

# Access Hatch - Size Options

COXDOME ROOFTOP ACCESS 150mm SPLAYED UPSTAND (SF15)	
Product Code	Upstand Opening Size (mm)
CRA70120	700 x 1200
CRA7590	750 x 900
CRA8080	800 x 800
CRA80110	800 x 1100
CRA9090	900 x 900
CRA90120	900 x 1200
CRA100100	1000 x 1000
CRA100150	1000 x 1500
CRA110110	1100 x 1100
CRA120120	1200 x 1200
CRA120150	1200 x 1500

COXDOME ROOFTOP ACCESS 300mm - 150mm SPLAYED UPSTAND + 150mm BOX SECTION	
Product Code	Upstand Opening Size (mm)
CRAB70120	700 x 1200
CRAB7590	750 x 900
CRAB8080	800 x 800
CRAB80110	800 x 1100
CRAB9090	900 x 900
CRAB90120	900 x 1200
CRAB100100	1000 x 1000
CRAB100150	1000 x 1500
CRAB110110	1100 x 1100
CRAB120120	1200 x 1200
CRAB120150	1200 x 1500

COXDOME ROOFTOP ACCESS 160mm VERTICAL UPSTAND (R016)	
Product Code	Upstand Opening Size (mm)
CRE50100	500 x 1000
CRE6060	600 x 600
CRE6090	600 x 900
CRE7070	700 x 700
CRE70100	700 x 1000
CRE8080	800 x 800
CRE80130	800 x 1300
CRE9090	900 x 900
CRE90120	900 x 1200
CRE100100	1000 x 1000
CRE100130	1000 x 1300
CRE100160	1000 x 1600
CRE120120	1200 x 1200



For the latest prices, contact the sales team or scan the QR code

Lead time (estimated)

- 2-3 days
- 3-5 days
- 5-7 days
- 2-3 weeks
- 5-6 weeks



# Practical Information



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## Technical Support

Full in-house technical support is available for our entire range of bespoke products.

Section details and data sheets are available on request.

We offer full sales and technical advice, and we can assist with your project from enquiry through to after sales support. Whether it is assistance with specifying the right product or help with site surveying, our experienced, knowledgeable team can be contacted on 0121 530 4230.



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## Supply & Installation

COXDOME work with a number of approved installers to provide a complete supply and installation service. Please contact us direct for more information.



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## After Sales Service

Whether you want to get installation advice, ask a question about a specific product or get tips for your construction project, the COXDOME Customer Care team is here to help:

**Phone**  
0121 530 4230

**Email**  
[sales@coxdome.co.uk](mailto:sales@coxdome.co.uk)

**Fax**  
0121 530 4231

**Website**  
[www.coxdome.co.uk](http://www.coxdome.co.uk)



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## Guarantees

All COXDOME products and accessories are thoroughly tested to deliver the high quality you expect. In the rare event that your COXDOME product doesn't meet your expectations, we offer the following guarantees:



### 10-year

- Dome Rooflights
- Glass Rooflights

### 1-year

- Electrical operating mechanisms

All guarantees are subject to COXDOME Terms & Conditions and are available on request.



COXDOME®



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COXDOME is a UK manufacturer, providing natural daylight and ventilation solutions since 1954



COXDOME part of VELUX Commercial

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