

more choice, better prices.







The UK's Leading Supplier of Rooflights, Skylights and Smoke Vents.

The National Domelight Company

The National Domelight Company are specialist suppliers of domelights, rooflights, skylights and smoke vents, to roofing contractors and builders, to developers of commercial and residential property, and to private homeowners.

Our family-run company has been successfully trading for over 30 years and our UK-based sales team has more than 100 years of rooflight and skylight knowledge between them. You can trust us to know what we are talking about and to give you the best advice and guidance to find the right rooflight for you.

Why choose the National Domelight Company?

• Widest choice

We are the UK's leading supplier of rooflights and as a result we can supply you with any size, shape and material of rooflight, and with any combination of upstands and accessories, that you will ever need – *and all at the best trade prices.*

• No more waiting

We deliver a first class service and our large warehouse and stocks mean that you won't have to wait long for your order. We can deliver most stock units, direct to site, within 72 hours. Our **FREE nationwide delivery** service means your rooflight will be safely delivered at your convenience – just when you need it.

• Best quality

Our prices are competitive yet we still deliver industry leading quality and service in everything we do. Guaranteed.

• Dedicated support

We have been supplying the roofing industry for decades and to help you we provide useful resources at www.nationaldomes.com and CAD downloads to incorporate into your digital plans. Just call our **Technical Support Team on 01276 451555** for practical advice and support, no matter what you need.

Don't just take our word for it – Put us to the test, let us quote your next job and see just how much you could save! We guarantee excellent products, at sensible prices.

Our guarantee of quality

All rooflights and skylights supplied by The National Domelight Company have been fully tested before they are added to our portfolio. This ensures you can always rely on our industry leading quality no matter what your requirement.

Protecting the environment

The National Domelight Company is fully aware of the effects that the construction industry can have on the environment. We work hard to ensure that our business, sourcing and logistics processes have a minimal effect on the environment, and that our products have a reasonable lifespan and can be recycled wherever possible.

Why we need natural light

There is no denying that natural daylight in a room can make all the difference to its occupants. Rooflights are the best way of introducing natural light and can provide up to three times more daylight than an equally-sized vertical window. People work better in naturally lit workspaces and natural lighting can have less of an environmental impact than artificial lighting.

The National Domelight Company can advise on specific industry policies and regulations, and give guidance on introducing natural light into buildings.

more choice, better prices.

Contents Overview



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How to choose the right specification

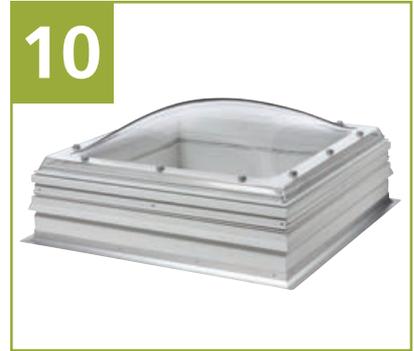
See our *How to specify* checklist for the easy way to choose the right rooflights for your project.



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Dome/Pyramid top only

A cost effective solution to provide natural light in to any space in a range of options. Available in standard sizes and purpose made sizes available at no extra cost.



10

Upstand types including:

MK1 Vertical	10
MK2 Splayed & MK2 Vertical	11
MK3 & MK4	12



19

Smoke Vents/AOVs

A range of Automatic Opening Vents (AOV's) and Smoke Vents to ensure a natural flow of smoke from the building when required. Optional control panel and controls also available.



Ventilation/Access Options including:

- Hit & Miss 13
- Rotary 14
- Manual Hinged 15
- Electric Hinged 16



Access Hatches

Offering both light and access in one rooflight, the access hatch frame opens to approximately 85° with gas-assisted struts. Also available as an electrically operated version.



Additional Options

A range of options to compliment your Stardome rooflight. Helping you to fully integrate with your specific rooftop requirements on site.



Rooflight Sizes

Available in a range of standard sizes (subject to stock). Purpose made sizes and specifications available at no extra cost, bespoke doesn't have to mean expensive with Stardome.



Technical Services

The National Domelight Company sales team is always available to assist you, from your initial enquiry through to after sales support. This includes help with specification writing, site surveys, budget costings, and fully detailed quotations.

Visit our website to watch the Stardome product video.

How to choose the right specification

We recommend you use the following guides to help you work out exactly what you need to specify for your project. The National Domelight team will be happy to help you apply the results to a full specification.

A

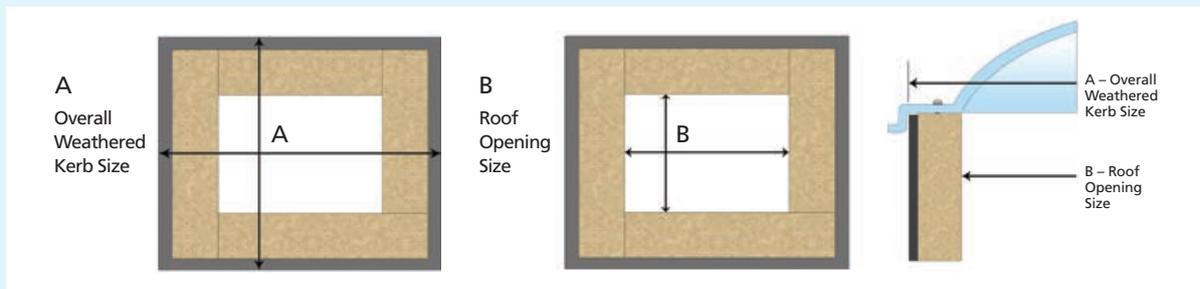
DOME/TOP ONLY Please refer to this section if you are looking for the simplest and most basic rooflight option to suit an existing or new timber kerb. **REMEMBER** – Stardome domes can be custom made to suit almost any required roof opening and kerb width at no extra charge. Please see sizes available on page 20 for further information.

1 Size

Take measurements.

These diagrams show the two critical measurements required to ensure we can supply the correct size dome for your needs.

A = Overall weathered timber kerb size **B = Internal roof opening size**

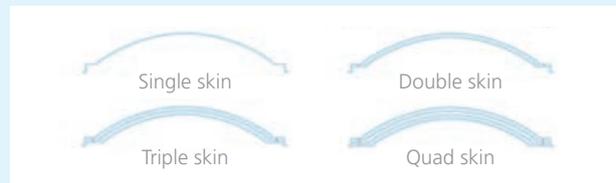


2 Glazing

Select glazing type.

Options for top only W/m²K:

- Single skin – U_d Value 4.0
- Double skin – U_d Value 2.9
- Triple skin – U_d Value 1.8
- Quad skin – U_d Value 1.4



3 Shape

Select a rooflight shape.



Domed

Our most popular shaped glazing type, available with Square, Rectangular or Circular base.

Pyramid

Square units – A range of pyramid units are available.

Trapezoidal

Rectangular units – A range of trapezoidal units are available.

4 Glazing Finish

Select a finish.



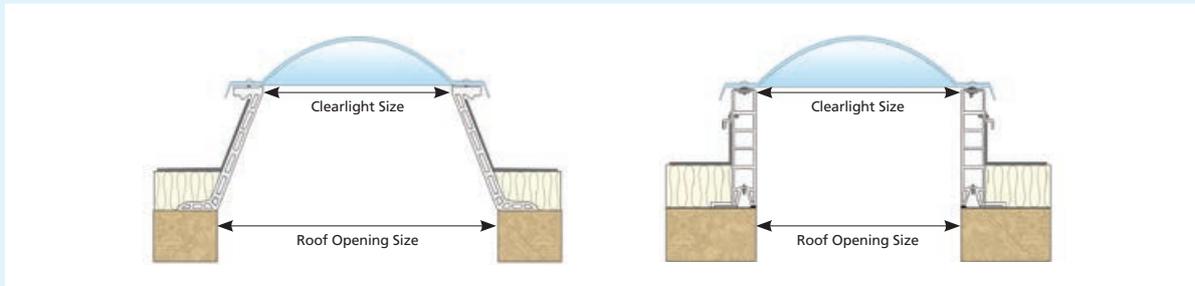
DOME/TOP WITH UPSTAND – WITH OR WITHOUT VENTILATION

Please refer to this section if you require a complete rooflight solution.

1 Size

Take measurements.

Whether you require a splayed or vertical upstand the same measurement is required as shown below (roof opening size). Please see sizes available on page 20 for further information.



2 Kerb type

(See pages 10–12)

Select a kerb type.

MK1 Vertical PVC upstand 310mm high		MK3 Vertical Thermally Broken Aluminium upstand 175mm high*	
MK2 Vertical PVC upstand 210mm high		MK4 Splayed GRP upstand 175mm high	
MK2 Splayed PVC upstand 237mm high		Adaptor Kerbs available on all kerb types to suit your new or existing kerb sizes	

Please view individual upstand pages for further information on your chosen upstand type.

*Other heights are available upon request.

3 Ventilation & Access

(See pages 13 – 17)

Select a ventilation type that is compatible with your chosen upstand.

Upstand	Ventilation type				
	Hit & Miss	Rotary	Electric Hinged	Manual Hinged	Access Hatch
MK1		•	•	•	
MK2 Splayed	•	•	•	•	
MK2 Vertical	•	•	•	•	•
MK3	•		•	•	•
MK4	•		•	•	

4 Additional options/ AOVs & Smoke Vents

Please refer to pages 18 & 19.

5 Glazing, shape and finish

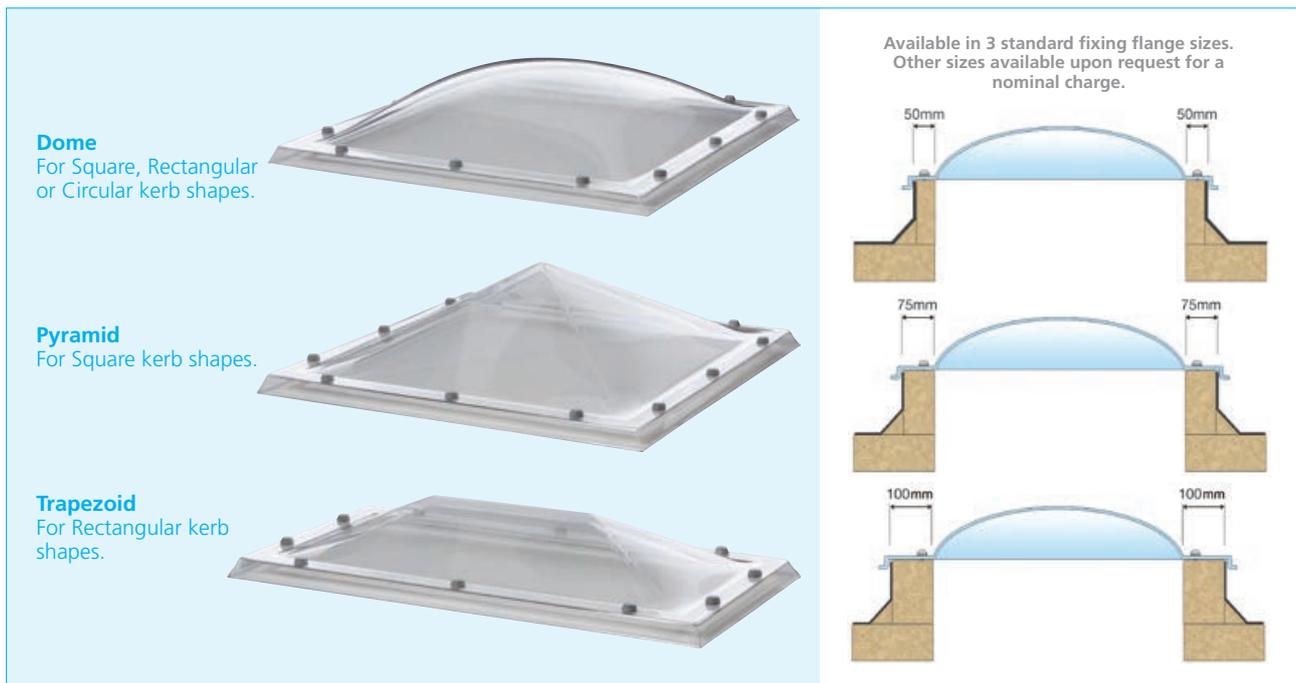
Please refer to sections 2,3 and 4 of guide A opposite.

6 Other information

For more detailed information, please refer to the relevant pages in this brochure.

Domes/Pyramids

Stardome polycarbonate domes and pyramids are star quality rooflights providing a choice of natural lighting solutions for projects of virtually any size. Whatever the size or space, there will be a polycarbonate dome or pyramid to fit.



Manufactured from high-quality UV-protected polycarbonate they are high-impact resistant and come in a range of stylish glazing options – clear, opal, bronze or diffused (details available on request).

Unlimited size range

Whatever the size or space, there will be a Stardome polycarbonate dome to fit, either in a single unit (from 400x400mm to 2800x1600mm), or as larger barrel vaults or linked units. Our rooflights come with the choice of single and double skin units, and our triple and quad-skin units can significantly reduce internal condensation and deliver U_g Values as low as 1.4 W/m²K.

The flexibility of the Stardome range of domes, pyramids and trapezoids make them a particularly good choice for refurbishment projects. A choice of variable fixing flanges is available in the common widths of 50mm, 75mm and 100mm, and for a small additional charge we can cater for specific requirements.

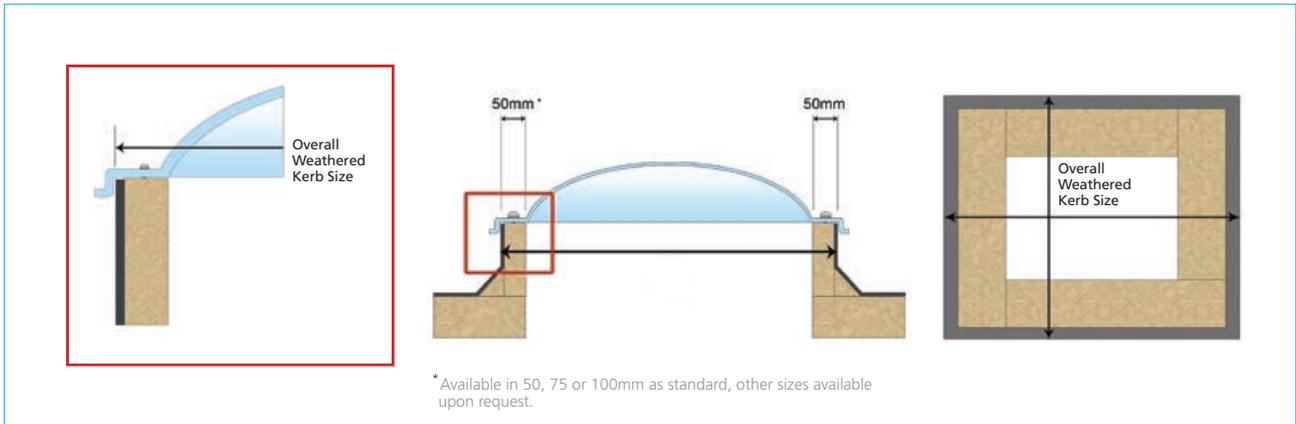
Stardome polycarbonate domes are available in a range of standard and bespoke shapes and sizes to suit every need.

Why choose polycarbonate glazing?

- Provides outstanding impact resistance
- High level of light transmission
- Co-extruded UV protection provides high levels of UV resistance – shielding internal spaces from up to 98% of UV radiation
- Excellent fire performance properties
- Available in a wide range of clear, tinted, patterned and opaque finishes
- Polycarbonate can be thermoformed in various profiles including dome, pyramid and trapezoid. Various base shapes include square, rectangular and circular

For more advice, please call our **Technical Support Team on 01276 451555**.

Overall weathered kerb size



Glazing Finish and Features



- Clear
 - High light transmission
 - Placement where glare may occur is a consideration
 - Allows full vision of views and objects
 - Light transmission – 89%
- Opal
 - Maximises Privacy
 - Diffused light transmission and so avoids glare and shadows
 - Prevents vision of views and objects
 - Light transmission – 50%
- Bronze
 - Reduces solar heat gain
 - Reduces light transmission into the building below
 - Light transmission – 50%
- Diffused
 - Maximises privacy
 - High levels of light transmission into a building
 - Diffuses light transmission and so avoids glare and shadows
 - Prevents vision of views and objects
 - Light transmission – 85%

High security fixings

Stardome rooflights come with tamper resistant screwbolt fixings as standard which prevent their removal with traditional tools. The fixings are designed to protect the glazing from excess pressure, and the risk of stress fractures, if the screws are over-tightened.



U_d Value W/m²K

- Single Skin – 4.7 W/m²K
- Double Skin – 2.8 W/m²K
- Triple Skin – 1.8 W/m²K
- Quad Skin – 1.4 W/m²K

Take a look at the technical information on page 22 for more details on how our glazing performs.

PVCu Upstands

Stardome upstands are designed for use with Stardome rooflights to provide the best thermal interface when combined as a unit. When used together they help make the roof more thermally efficient and reduce energy bills for the user.



PVC Upstand Benefits

The multi-chambered construction of Stardome PVC upstands makes them particularly tough and also adds to their thermal efficiency.

They come in a variety of heights, from 200mm, are compatible with a range of ventilation and access hatch options, and are suitable for most roof finishes.

Stardome upstands enhance the overall look of the rooflights, are easy to install, and are outstanding value for money. Also, as they are pre-finished in white on the inside, there's no need to spend time on additional painting.

Stardome upstands are available as both splayed and vertical units to suit your project. The splayed units are best for spreading the light through a room whereas the vertical units are more suitable where the dimensions of the roof aperture need to be preserved.

Stardome upstands come with high-security fixings that make it difficult for intruders to get in. In addition, for those needing exceptionally high levels of security, an optional security frame is available that fully encloses the fixings within an aluminium framework.

MK1 Kerb/Upstand

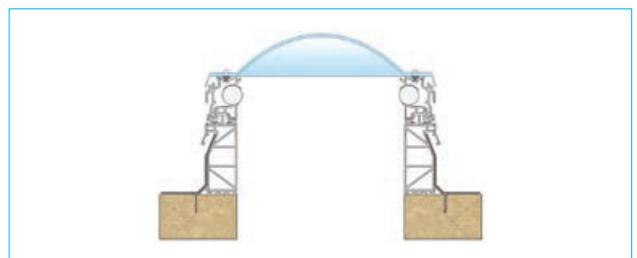
The MK1 kerb has three main insulating chambers which are fully compliant with current regulations and future-proofed against likely changes. With an exceptionally low U_d Value of 1.3 W/m^2K , the MK1 kerb upstand more than meets the requirements of Part L.

The kerb works equally well with both polymeric and PVC roofing membrane systems, and bituminous membrane and mastic asphalt systems. The MK1 upstand is 310mm high and has a built-in cascade water management system that redirects moisture to the outside of the building.

The assembly for the rooflight incorporates a unique finish to fully protect the top edge of the roofing membrane and a special 'key' finish to the PVCu kerb is torch-on system friendly. The roofing finish can be applied to the upstand before clipping the glazing and ventilation zones into place which makes the assembly process much easier. It also reduces the likelihood of damage during installation.



MK1 unventilated PVC kerb/upstand with polycarbonate dome



MK1 unventilated PVC kerb/upstand fitted direct to roof deck

MK2 Splayed & Vertical Kerb/Upstand

The MK2 upstand consists of a multi-chambered, twin-walled PVC-U material and, with an impressive U_d Value of $1.8 \text{ W/m}^2\text{K}$, it more than satisfies the compliance requirements of Part L.

The 'all thermoplastic construction' of the MK2 upstand ensures outstanding thermal efficiency, high resistance to weathering, and low maintenance. The splayed upstand height is 237mm.

Key features include aluminium trim and steel security insert housed within the PVC-U section. Also air leakage is kept to a minimum to ensure the upstand meets Part L requirements.

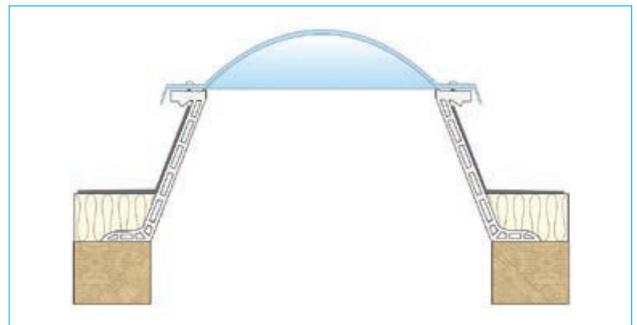
A 2mm wall thickness ensures weld strength and a weather seal on all opening rooflights which maintain weather-tightness.

A special 'key' finish to the PVC-U kerb assists adhesion of membrane and the PVC-U kerb is torch-on system friendly.

The Stardome MK2 kerb is now also available vertically sided at 200mm high. This option was added to the Stardome range to help specifiers and home owners achieve the maximum light possible through their roof opening, this is especially beneficial when using ventilated or access rooflight options giving a greater free vent area to the roof above.



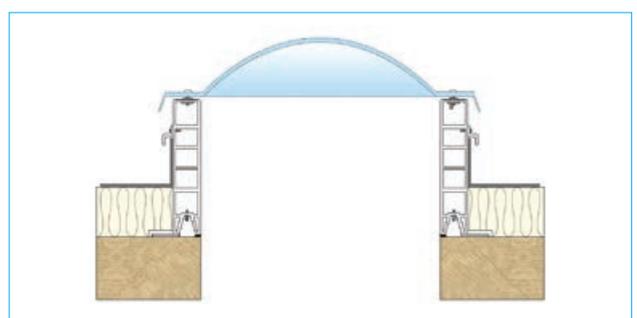
MK2 splayed unventilated PVC kerb/upstand with polycarbonate dome



MK2 splayed unventilated PVC kerb/upstand fitted direct to roof deck



MK2 vertical unventilated PVC kerb/upstand with polycarbonate pyramid



MK2 vertical unventilated PVC kerb/upstand fitted direct to roof deck



MK3 vertical unventilated thermally broken aluminum kerb/upstand with polycarbonate dome

MK3 Thermally Broken Aluminium Upstands

With a U_g Value of $2.2 \text{ W/m}^2\text{K}$ the MK3 upstand is a thermally broken aluminium system offering maximum compliance to Part L. With adjustments to the width of the insulation in the upstand, as an optional extra, U_g Values as low as $1.8 \text{ W/m}^2\text{K}$ can be achieved for those who need it.

The standard MK3 upstand height is 175mm (higher upstands are available on request). Air leakage is kept to a minimum to ensure the upstand meets Part L requirements. Frames and kerbs come in a standard white finish although kerbs are also available in other RAL colours if required.

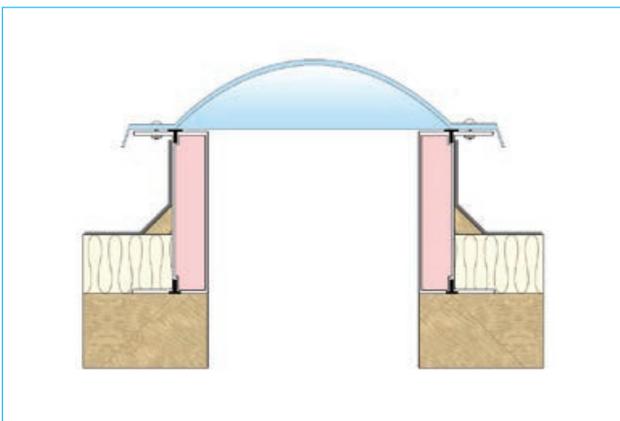
Please contact National Domelight Company for further details.

MK4 GRP Upstands

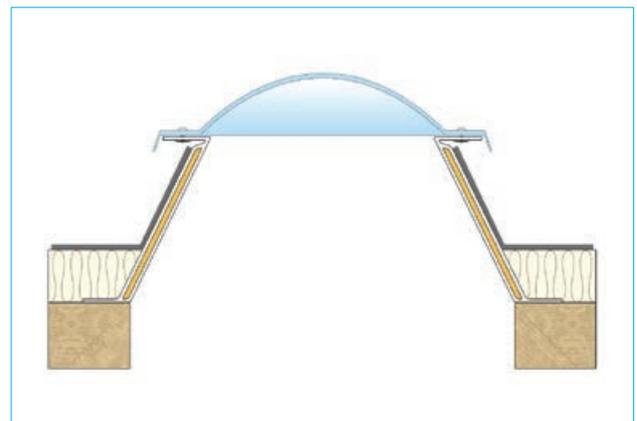
The MK4 GRP upstand is specifically designed for circular openings and, with a U_g Value of $2.2 \text{ W/m}^2\text{K}$, it is fully compliant with the maximum allowable U_g Values under Part L. The standard MK4 GRP upstand is 175mm and air leakage is kept to a minimum to meet Part L requirements.



MK4 splayed unventilated GRP kerb/upstand with circular polycarbonate dome



MK3 vertical unventilated thermally broken aluminum PVC kerb/upstand



MK4 splayed unventilated GRP kerb/upstand

Ventilation/Access options

Whatever the size and shape of the space, fresh air will be as important as natural daylight to those using it. Stardome rooflights are available with a wide range of ventilation options that ensure the finished roof admits the right amount of light and air to suit every need.

Hit and Miss ventilation

Hit and Miss ventilation is a great way to provide minimal background air circulation and comes as standard via adjustable vents fitted to 2 sides of your chosen upstand. A system of 4-sided ventilation, offering increased air flow, is also available on request.



Hit & Miss vent (open)



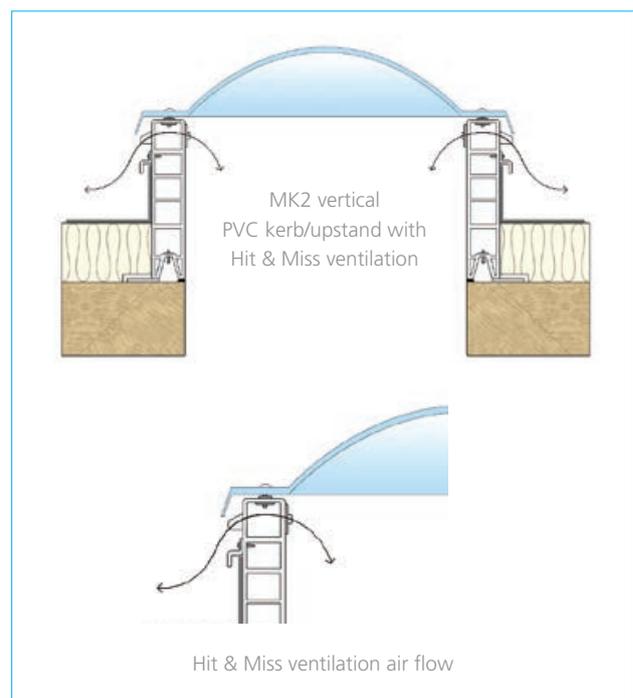
Hit & Miss vent (closed)

For more advice, please call our **Technical Support Team on 01276 451555**.

Upstand	Hit & Miss ventilation available
MK1 PVC	
MK2 Splayed PVC	•
MK2 Vertical PVC	•
MK3 Thermally Broken Aluminium	•
MK4 GRP (Please contact us)	•



Vertical MK2 PVC upstand with Hit & Miss ventilation



Rotary Ventilation



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

Set into the side wall of the ventilation zone the vents are fully protected from wind-borne water, debris and insect ingress, by an integral continuous weather cowl. The vents are on two sides of the frame and, when closed, form a virtual triple-skin chamber which keeps air leakage to a minimum. An integral water management system also helps ensure that any moisture is drained to the outside of the building.

Upstand	Rotary ventilation available
MK1 PVC	•
MK2 Splayed PVC	•
MK2 Vertical PVC	•
MK3 Thermally Broken Aluminium	
MK4 GRP	



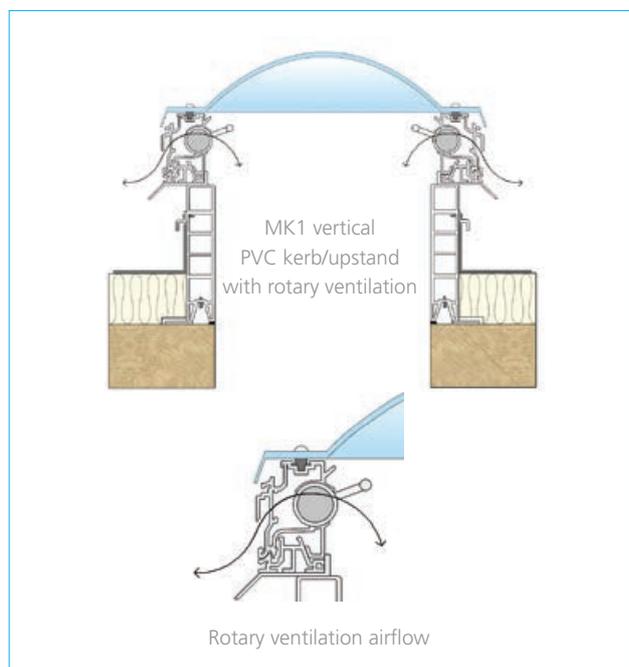
MK1 vertical PVC kerb/upstand with rotary ventilation



Rotary vent (open)



Rotary vent (closed)



Manual Hinged Ventilation

For spaces that need high levels of air circulation through the rooflight, manual hinged ventilation is the perfect solution. Offering manually controlled adjustment with a supplied portable winding rod.

Vents are easily controlled with a portable winding rod which comes as standard. Ventilation levels can be precisely managed by hinging the dome section away from the upstand by 5mm – 300mm (dependent on the size of the rooflight).

For those looking for a more minimalistic manual hinged mechanism a manual chain opener is also available in place of the traditional worm gear arrangement.

Upstand	Manual Hinged ventilation available
MK1 PVC	•
MK2 Splayed PVC	•
MK2 Vertical PVC	•
MK3 Thermally Broken Aluminium	•
MK4 GRP	•



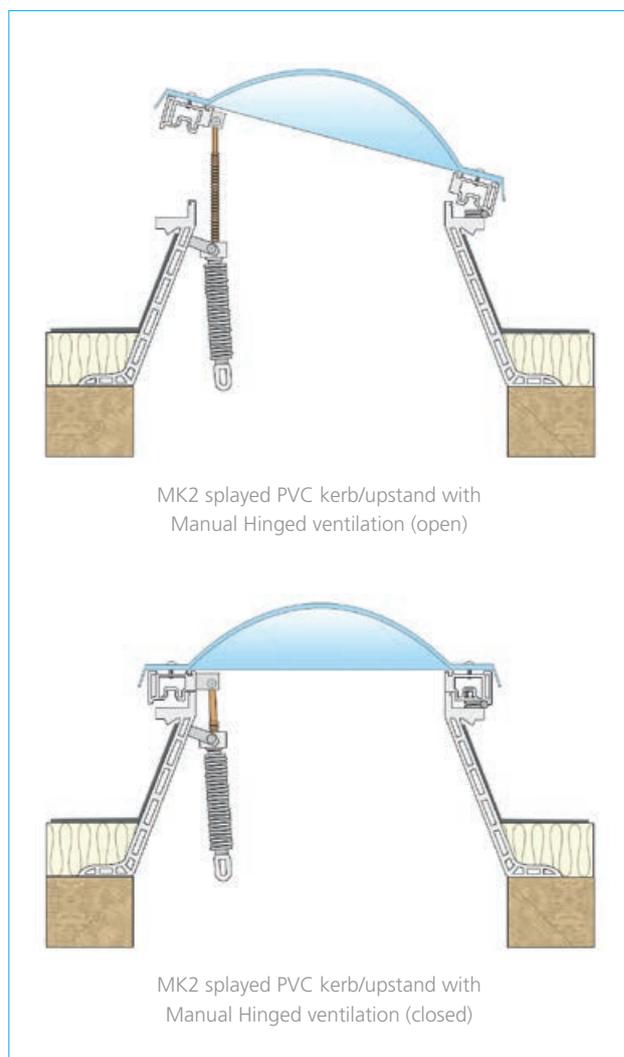
MK2 vertical PVC kerb/upstand with Manual Hinged ventilation (open and closed)



Manual Hinged spindle (open)



Portable winding rod supplied as standard



MK2 splayed PVC kerb/upstand with Manual Hinged ventilation (open)

MK2 splayed PVC kerb/upstand with Manual Hinged ventilation (closed)

Electric Hinged Ventilation

Electric hinged ventilation is the perfect solution for those who need a large amount of ventilation through the rooflight at the touch of a button.

Vents can be easily and precisely controlled from a wall-mounted switch. The mechanism hinges the dome section away from the upstand from 5mm – 300mm (as standard) but for those that need more air circulation the electric hinged option can be supplied with a longer chain actuator. The electric hinged mechanism is 230V mains powered (as standard) and a 24V option is also available (please contact us for details).

Upstand	Electric Hinged ventilation available
MK1 PVC	•
MK2 Splayed PVC	•
MK2 Vertical PVC	•
MK3 Thermally Broken Aluminium	•
MK4 GRP	•

Optional Extras

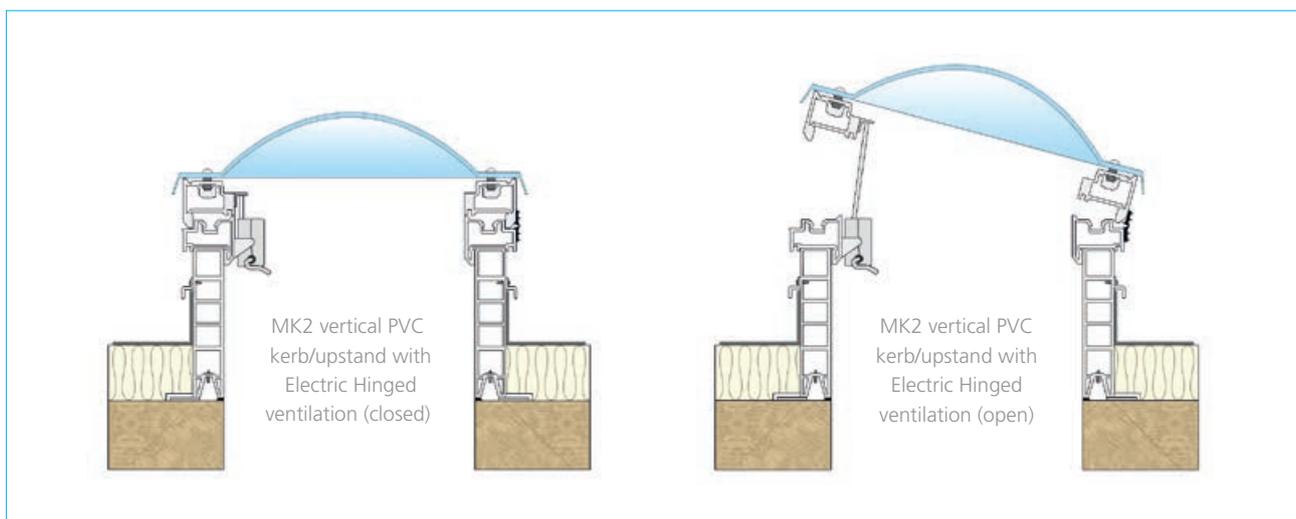
- Rain Sensor
- Thermostat
- Remote Control



Electric chain actuator



MK2 vertical PVC kerb/upstand with Electric Hinged ventilation (open and closed)



Access Hatches



Where access to a roof space is needed, Stardome rooflights can double up as a means of light and access. The hinged access hatch frame opens to approximately 85°. They are secured from the inside by a handle and lockable hatch with gas-assisted struts to ensure the rooflight stays open when in use.

Stardome access hatches are only available with vertical upstands to ensure you get the maximum width to enable safe and easy passage.

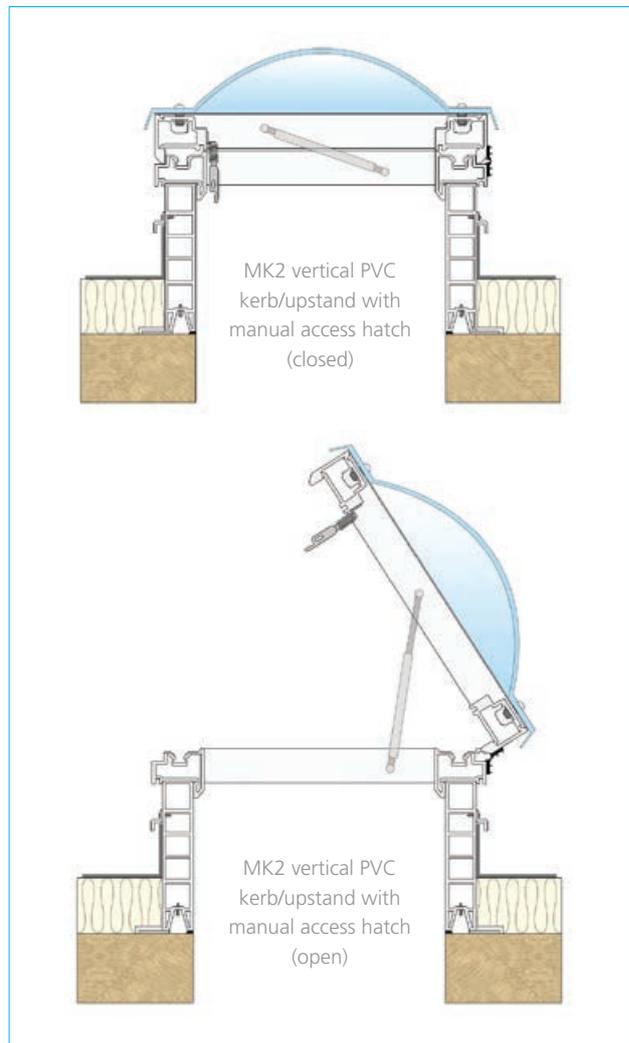
Stardome access hatches are also available with electric hinged operation via 240V actuators for those who want more convenient access to the roof area at the touch of a button.

Upstand	Access Hatch available
MK1 PVC	
MK2 Splayed PVC	
MK2 Vertical PVC	•
MK3 Thermally Broken Aluminium	•
MK4 GRP	



MK2 vertical PVC kerb/upstand with manual access hatch (open and closed)

For more advice on opening units with remote electric operation, please call our **Technical Support Team on 01276 451555**.



Additional Options



To ensure that you get the right rooflight for the space the Stardome range is available with various options. Below are some of the more popular options available in addition to the standard rooflight range.

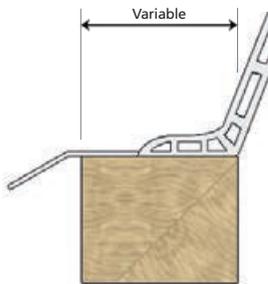


Security Frame

- A purpose-designed, robust, extruded aluminium framing system, that encloses and secures the outer vulnerable edge of the glazing and clips onto the lower assembly, for added security.



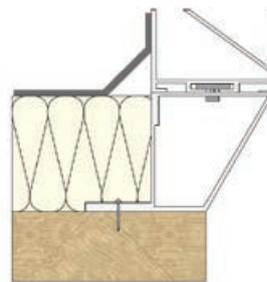
Security Frame



Adaptor Kerb

Adaptor Kerb

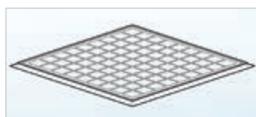
- Allows the rooflight to be fixed to new and/or existing builders kerbs and can incorporate various ventilation options. Particularly useful option for extra wide timber or concrete kerbs on site. Made to specific sizes to suit your needs.



Flexible metal foot

Flexible Metal Foot

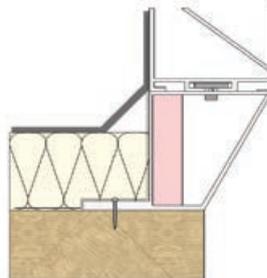
- This roof attachment can be tailored to accommodate varying thicknesses of roof insulation, while allowing the flexibility to match the rooflight to roof opening.



Intruder Grid

Intruder Grid

- Intruder grid systems can be added to all rooflights in the Stardome range. Positioned between the upstand and the roof structure they consist of a 3mm diameter, solid steel fully-welded mesh in a 75mm grid. This system will resist unwanted entry attempts even when the rooflight has been compromised or removed.



Insulated metal foot

Insulated Metal Foot

- Provides the same adaptability as the flexible metal foot whilst allowing 'cut to falls' variable depth insulation systems.

For more advice, please call our **Technical Support Team** on **01276 451555**.

Smoke Vents/AOVs

Designed to reduce smoke build-up, helping to provide a safer escape route for occupants and access for fire-fighting personnel. Working in partnership with leading specialists in control systems we provide a complete package of smoke ventilation options.

Helping you comply with Building Regulations

In England and Wales **Part B of the Building Regulations** covers fire and the **Approved Document (AD B) Volume 2** provides guidance applicable to flats and non-dwellings.

The following national, regulatory guidelines have similar requirements: Section 2 of the Scottish Building Standards Agency Technical Handbooks 2007; Technical Booklet E of the Building Regulations (Northern Ireland); Technical Guidance Document B of the Government of Ireland Building Regulations 2006. **AD B** identifies some situations where AOVs providing natural ventilation are appropriate, including:

- Small single-stair blocks of flats
- Common escape routes in larger blocks of flats
- Basement areas
- Enclosed car parks
- Vertical smoke shafts as part of a smoke control design

In several cases **AD B** specifies the minimum required level of ventilation – generally either 1m² or 1.5m².

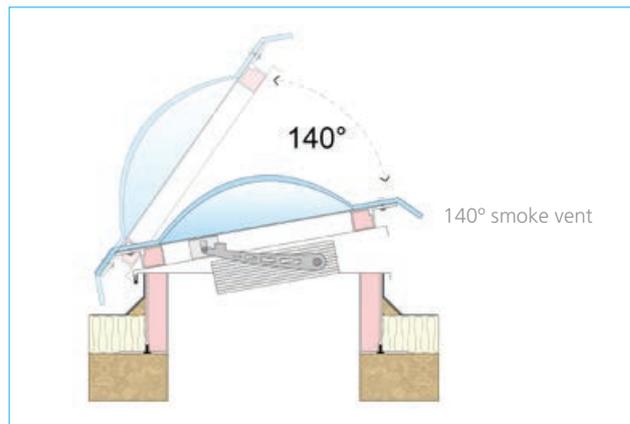


Close-up of concealed actuator



140° smoke vent (open)

Upstand	Smoke Vent/AOV available
MK1 PVC	
MK2 Splayed PVC	
MK2 Vertical PVC	
MK3 Thermally Broken Aluminium	•
MK4 GRP	



Selection of control options available



Fireman's Switch



Smoke Detector



Control Panel 3 Amp



Control Panel 6 Amp

Stardome Rooflight Sizes



To ensure that you get the right rooflight for the space the Stardome range is available with various options. Below are some of the more popular options available in addition to the standard rooflight range.

Dimensions (mm)	PVC Unventilated Kerb	PVC Hit & Miss Ventilated Kerb	PVC Rotary Ventilated Kerb	PVC Worm Gear Operated Kerb	Triple Skin Clear Domes	Triple Skin Diffused Domes	Double Skin Clear Domes	Double Skin Diffused Domes
600 x 600	●	●	●	●	●	●	●	●
600 x 900	●	●	●	●	●	●	●	●
600 x 1200	●	●	●	●	●	●	●	●
750 x 750	●	●	●	●	●	●	●	●
800 x 800	●	●	●	●	●	●	●	●
850 x 850	●	●	●	●	●	●	●	●
900 x 900	●	●	●	●	●	●	●	●
900 x 1200	●	●	●	●	●	●	●	●
1000 x 1000	●	●	●	●	●	●	●	●
1050 x 1050	●	●	●	●	●	●	●	●
1100 x 1100	●	●	●	●	●	●	●	●
1200 x 1200	●	●	●	●	●	●	●	●
1200 x 1800	●	●						
1250 x 1250	●	●						
1300 x 1300	●	●						
1350 x 1350	●	●						
1500 x 1500	●	●						
1800 x 1800	●	●						



Non-standard Sizes

No need to compromise your build design to accommodate stock sizes, and a custom-made unit doesn't have to mean expensive. Stardome units can be made to non-standard sizes to your exact requirements. Just tell us what size and specification of rooflight you need and leave the rest to us. On receipt of your order, detailed drawings will be provided to ensure you are happy with the unit before production.

For more advice, please call our **Technical Support Team** on **01276 451555**.



Why do we need natural sunlight?

There is no denying that natural daylight in a room can make all the difference to its occupants. Rooflights and Skylights are the best way of introducing natural light and can provide up to three times more daylight than an equally-sized vertical window. People work better in naturally lit workspaces and natural lighting can have less of an impact than artificial lighting.



Technical Services

The National Domelight Company sales team is always available to assist you, from your initial enquiry through to after sales support. This includes help with specification writing, site surveys, budget costings, and fully detailed quotations.



Health & Safety

(HSE) Health and Safety in Roof Work states that where rooflights are required, designers should consider:

- Specifying rooflights that are non-fragile
- Fitting rooflights designed to project above the plane of the roof and which cannot be walked on (these reduce the risk but they should be capable of withstanding a person falling onto them)
- Protecting rooflight, e.g. by means of mesh or grids fitted below or above the rooflight
- Specifying rooflights with a design life that matches that of the roof, taking account of the likely deterioration due to ultraviolet exposure, environmental pollution and internal and external building environment

Polycarbonate (Solid Sheet)

3mm UV protected polycarbonate* external skin, 2mm internal skins.

Glazing options; Clear, Diffused, Bronze and Opal.

*4mm may be used on larger thermoformed rooflights.

Light transmissions for 3mm thick single skin material

Clear 89% Obscure 85% Opal 50% Bronze 50%.

Service temperatures: -50 to +120 degrees C.

Fire performance

EN 1350-1 2007+A1:2009 Classification B-s1, d0

BS 476 pt 3 AA rating

BS 476 pt 7 Class 1**

1991 Building Regulations Tp(a) on 3mm and over.

**Materials which achieve class 1 (or 1y) can be classed as an AA designation.

Weight: 3mm – 3.6kg/m² 4mm – 4.8 kg/m².

Non-fragility

All Stardome double and triple rooflights, thermoformed, barrel vaults and kerbs are classified as Class B – Non Fragile to ACR [M] 001:2014. The polycarbonate material used is considered virtually unbreakable.

Ventilation

On a standard kerb 1200x1200mm vented on two sides the free air space is; Hit & Miss Vent 92cm² (9,200mm²) – Rotary Vent 112cm² (11,200mm²).

Polyester Powder Coating

All metal kerbs and glazing bars are supplied in a White matt finish to BS 6496. Other RAL colours are available on request. Please contact National Domelight Company for further information.

Handling & Storage

While all Stardome rooflights and associated products are suitably packaged to avoid damage, care should be exercised when handling. For moving larger items, two or more people or specialised lifting machinery may be needed. All products should be stored on edge in flat dry conditions and protected from direct sunlight.

Condensation

The formation of condensation on the inner skin or between each glazing skin of a rooflight and/or its upstand, is dependent on numerous environmental conditions such as humidity, internal and external ambient temperature and/or natural/mechanical air movement.

Condensation will occur where a surface at a lower temperature than the surrounding air interfaces with high humidity conditions.

Condensation will therefore be worse during the winter months where temperatures drop and air humidity through rainfall substantially increases.

If the humidity of the air at source i.e. inside the building, cannot be reduced or removed by addressing the moisture producing event, then the risk of condensation forming on/in the unit will increase substantially.

Condensation may therefore form with there being no design fault whatsoever in the rooflight, and which should dissipate naturally when the ambient temperature increases and/or the moisture developing activity decreases.

Where rooflights are to be installed in dwellings and other high humidity areas National Domelight Company will only recommend the specification of triple or quad skin domes and PVCu upstands. It is also recommended that ventilation is either added or increased in any affected areas to reduce humidity levels.

Environmental conditions are beyond the control of National Domelight Company and consequently, we are therefore unable to give absolute guarantees on the non-occurrence of condensation on ANY Stardome products.

Installation

All Stardome rooflights are supplied ready assembled and pre-drilled complete with security screw bolts and sealing tape where applicable, and are delivered to site in protective packaging. Full instructions and fixings (for timber substructure) are included with all products, and should be carefully studied prior to installation.

Guarantees

All Stardome Rooflights when installed on Stardome kerbs and adaptor kerbs and in accordance with the Manufacturer's instructions are guaranteed against defective design, materials or manufacture for a period of 20 years from the date of supply by National Domelight Company. This Guarantee confirms that the aforementioned rooflights will be fit for purpose for twenty years and the yellowing of the Polycarbonate, which will be measured in accordance with ASTM D 1925 shall decrease by no more than twelve delta in comparison with the original value. This Guarantee also confirms that the light transmission, measured to ASTM D 1003, shall decrease by no more than 15% within twenty years in comparison with the original value. Any removal, re-fitting or alteration to the rooflights after initial installation must be carried out in the presence of Stardome personnel or their representatives for this guarantee to remain effective.

Exclusions:

1. This guarantee does not apply to any materials that have been scratched, abraded or exposed to corrosive materials.
2. This guarantee does not cover damage due to impact or forced entry.
3. This guarantee does not cover normal wear and tear, nor does it cover hinges, motors and fittings.



more choice, better prices.

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**Visit our website to watch the
Stardome product video.**



Important notes:
The responsibility for determining that any building component complies with the relevant Building Regulations rests solely with the client or specifier.
The National Domelight Company policy is one of continuous product improvement; accordingly we reserve the right to alter specifications without notice at any time.