

# Daylighting

Solatube® Daylighting Systems for your home



**SOLATUBE®**

Innovation in Daylighting™



## Still leading the industry we created

Solatube registered the first patent for a tubular daylighting system over 25 years ago and we still lead the industry we created; today, more than 6 million Solatube Daylighting Systems have been sold in over 95 countries worldwide.

Continuous product development means we are always able to provide our customers with the most innovative solutions and our reputation as the leading supplier of tubular daylighting systems is built on the ability to perform beyond expectations, with an assurance of quality, value and performance that makes a difference.

Indeed, Solatube International is so confident that no other tubular daylighting system will give you more light all day long, all year long, they offer a money-back guarantee.



## Meeting UK building standards

Solatube is the only tubular daylighting system to hold BBA Certification – your independent confirmation of quality, fitness-for-purpose and compliance with UK Building Regulations.

See our Checklist on the back cover for tips on what to look for in a quality and compliant daylighting system.



## The Solatube<sup>®</sup> Brighten Up<sup>®</sup> Series

Sometimes it is not possible or cost-effective to install a conventional window or roof light into a dark or windowless room. Solatube Daylighting Systems offer a brilliant solution, allowing you to transform dark rooms simply and cost-effectively into light, bright spaces, making them more welcoming and cheerful.

Our daylighting systems pipe natural light collected at roof level through highly reflective tubes in the roof void to a diffuser in the ceiling that delivers beautiful, natural light into the room below.

The Solatube Brighten Up Series is designed for use in your home and is available in two sizes, both compact enough to fit between standard joists and rafters so no structural changes are required:

Solatube 160 DS (250mm diameter)

Solatube 290 DS (350mm diameter)

The Solatube 160 DS is ideal for smaller areas of your home such as bathrooms, dressing rooms, hallways and landings – indeed any area up to 10 square metres in size.

The Solatube 290 DS delivers around twice the light output of the Solatube 160 DS and is ideal for larger living areas such as kitchens, living rooms and larger stairwells.

Optional Solatube accessories are available that integrate fully into your Solatube Daylighting System and include electric light-kit, bathroom ventilation kit (160 DS only) and a daylight dimmer system for bedrooms. So not only can you enjoy beautiful, natural light, you can also have a smart multi-function system in a neat, uncluttered ceiling!

*“The result, following the installation of the Solatube 290 DS systems in our kitchen, is quite breathtaking and exceeds all our expectations.”*

# Transform your home with beautiful daylight

Whether it is an internal bathroom, a landing, hallway, kitchen, or any other living area in your home, Solatube Daylighting Systems offer a fast, cost-effective and efficient way to bring in natural light to transform any room. Our systems can be installed into new buildings or existing buildings of any age, into pitched or flat roofs and may even be wall mounted or installed into basements.







# SOLATUBE®

Innovation in Daylig

## Quality that simply shines through ...

As market leader, a key factor in the success of Solatube Daylighting Systems is its quality. From roof dome to ceiling diffuser, every component is manufactured to the highest quality and fully tested, resulting in a superior system that is unrivalled in its performance.

All Solatube daylighting system components are backed by a 10 year manufacturer's warranty and, in accordance with the conditions of our BBA Certification, our product and manufacturing process is audited by the BBA on a regular basis to ensure these high levels of quality are consistently maintained.

BBA Certificates are recognised by building control, government departments, architects and local authorities, specifiers and industry insurers such as the NHBC.



*"What a delight it is to have found a system with such great looking diffusers – the glass options are beautiful. That's why I chose Solatube."*



## Light-capturing dome technologies ... for visual comfort



Intelligent, light-capturing technologies incorporated in the Solatube roof dome help control light delivery to prevent potential glare during summer months, whilst maximizing light capture during winter months.

Solatube roof domes are injection moulded from polycarbonate to ensure compliance with UK Building Regulations. They are impact resistant and incorporate UV inhibitors to prevent yellowing.

The curved shape of the roof dome ensures that the dome's surface is cleansed by the elements and therefore is completely maintenance-free.

## Roof flashings for any roof type

Your Solatube is supplied with a quality, roof flashing to suit your roof type – pitched or flat.





## The widest range of quality diffusers & glass ceiling fixtures

Our daylighting systems don't just deliver daylight to interiors; they do it with style. The ceiling fitting is the most frequently seen part of your daylighting system, so choose something special from our wide range of quality diffusers and elegant glass fixtures.

### Exclusive 99.7% reflective Spectra-light® Infinity rigid tube material

Whilst most people now accept that systems with flexible tube material do not transfer a great deal of light, rigid tube materials can also vary in their levels of light transmittance. Solatube's exclusive Spectralight Infinity tube material at 99.7% reflective delivers optimal specular performance. It also incorporates patented Cool Tube technology to greatly reduce solar heat gain during summer months by removing Infrared wavelengths from the harvested light before it enters your room.

**Two adjustable angles with every system**  
Unless you are installing into a flat roof, you will almost certainly require adjustable angle adaptors; your Solatube is supplied with two 0-30 degree adjustable angles as standard.



### ... and important little design details

- Click lock dome
- Insulation seals
- Twist fit ceiling ring connectors
- Condensation control system



# Transform dark areas of your home

Windowless rooms or areas with little natural light can be gloomy and unappealing. Why not transform them into beautiful, light spaces with natural light from a Solatube Daylighting System?

- Natural light enhances your home beautifully
- Solatube Daylighting Systems may be installed where it is not possible to fit traditional roof lights or windows
- Traditional methods can take days to install – Solatube Daylighting Systems take just hours
- No structural changes - rather than cutting into obstacles such as rafters and joists, our products are designed to go around them



*"What an amazing product – has completely changed the bathroom, from a dark cave to a bathroom filled with natural light!"*

## CONFIDENCE

### Over six million Solatube Daylighting Systems have been sold world-wide

Solatube is the best-known brand in the industry for a reason. Our daylighting systems use the best materials, the most advanced technologies, and the most progressive engineering to create products that deliver the highest quality daylight at the greatest output. In fact, millions of units have been installed around the world in residential and commercial buildings and we install more each day.

Solalighting Limited, the UK distributor for Solatube Daylighting Systems, has been established in the UK for over 15 years and has supplied Solatube Daylighting Systems to thousands of customers during that time. Major clients include BP, Toyota, Coca Cola, Nuffield, Marks and Spencer, Sainsburys, the Home Office, Walkers, Arup ... and our many, many residential clients.





## Solatube accessories

In addition to our wide range of ceiling fixtures and effects lenses, we offer a range of accessories to further enhance your Solatube Daylighting System and turn it into a multi-functional unit:

- Electric light kit for night time use
- Electric Daylight Dimmer™ allows you to adjust the amount of daylight coming into the room, ideal for bedrooms or home cinemas
- 0-90 degree adjustable angle adaptor to route the tube around obstacles
- Bathroom ventilation kit to remove moist air (Solatube 160 DS only)



SMART

## Controlled light delivery for visual comfort ... now that's smart!

Solatube Daylighting Systems deliver incredible light output for their size and, if uncontrolled, this light could result in uncomfortable glare during summer months. Solatube deals with this in a very clever way; the dome lenses control the transfer of light to ensure a more consistent level of daylight delivery for visual comfort all day long, all year long.

**Still too bright?** Visual comfort is a very subjective thing and some people find the amount of light delivered by a Solatube Daylighting System still too bright; to counter this, we offer a range of lenses that may be inserted into the system to soften or tint the light to your liking. These lenses may be paired with any of our glass fixtures or diffusers. Whatever your preference, we have an option that lets you achieve just the look you want.



Natural ... warming ... softening ... the choice is yours.



PROFESSIONAL

## Professional installation service

We offer a professional installation service for both residential and commercial clients. Our installers are fully trained in the installation of Solatube Daylighting Systems and their accreditations not only ensure high standards of installation, but also safe and efficient working methods.

Alternatively, if you are undertaking installation yourself, or using your own builder, and require any advice during installation, we shall be happy to oblige.



*"I was immediately impressed with installers who took great care of me, my house and importantly, themselves. The installation was completed without fuss & it was a highly professional job all round. I will recommend Solatube & the installation service to anyone."*

# What to look for in a quality tubular daylighting system



As with all great original ideas, Solatube Daylighting Systems have their imitators – so what makes Solatube stand out above the rest and what should you expect from a quality tubular daylighting system? See our checklist & tips below.



Peace of mind	Safety, quality & fitness for purpose	Does the product comply to UK Building Regulations and have an independent statement of safety, quality and fitness-for-purpose, such as a BBA Certificate?	✓
	Supplier	Is the supplier a well-established company with a proven track record?	✓
	Warranty	Does the product have a 10 year manufacturer's warranty?	✓
	Energy Star rated	Is the product Energy Star rated or similar to confirm its 'green' credentials?	✓
Efficiency	Performance	Does the product have a criteria-backed guarantee of all day long, all year long performance such as a manufacturer's Highest Performance Guarantee?	✓
	Tube material	Does the product use 99.7% reflective tube material on all reflective surfaces?	✓
	Double glazed	Is the system double-glazed <i>at ceiling level</i> to maintain your ceiling's thermal insulating properties?	✓
Control	Reduce glare	If the light is still too bright, can you easily adjust lighting levels (glare) once the system has been installed?	✓
	Condensation	Is the product equipped to deal with the potential of condensation?	✓
Smart design	Angles	Are two adjustable angles supplied as standard for ease of installation?	✓
	Ceiling fittings	Is there a wide range of quality and attractive ceiling fittings, including glass?	✓
	Accessories	Does the product offer a range of integral accessories to enhance the daylighting system?	✓

## UK Building Regulation compliance

As an international supplier, Solatube is keen to ensure systems comply with the country's national building regulation requirements. For example, in the UK, the regulations regarding fire spread at roof level are very specific and differ from those in most other countries, including continental Europe. In order to meet this UK regulatory requirement, the Solatube product in the UK is supplied with a roof dome made from polycarbonate and therefore has no restrictions as to its position on a roof.

So how can you tell if a product complies with UK regulations and may be used without restriction if it doesn't have a BBA Certificate?

The roof dome material can be a key indicator as to whether or not a system complies with UK standards. As a guide, the following chart shows roof dome materials that are available, their Tp(a) rating (fire safety – classification of performance) and whether or not restrictions apply to their use in the UK.

Roof dome material	Tp(a) rated	Roof dome position/ usage
Polycarbonate	✓	No restrictions
Acrylic	✗	Severe restrictions

Our BBA Certificate 08/4597 gives you complete confidence that Solatube Daylighting Systems have been tested and meet the standards required by UK Building Regulation requirements (Document B), building control and the NHBC Standards 2014.



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