February 2005

BRETT MARTIN

Daylight Systems

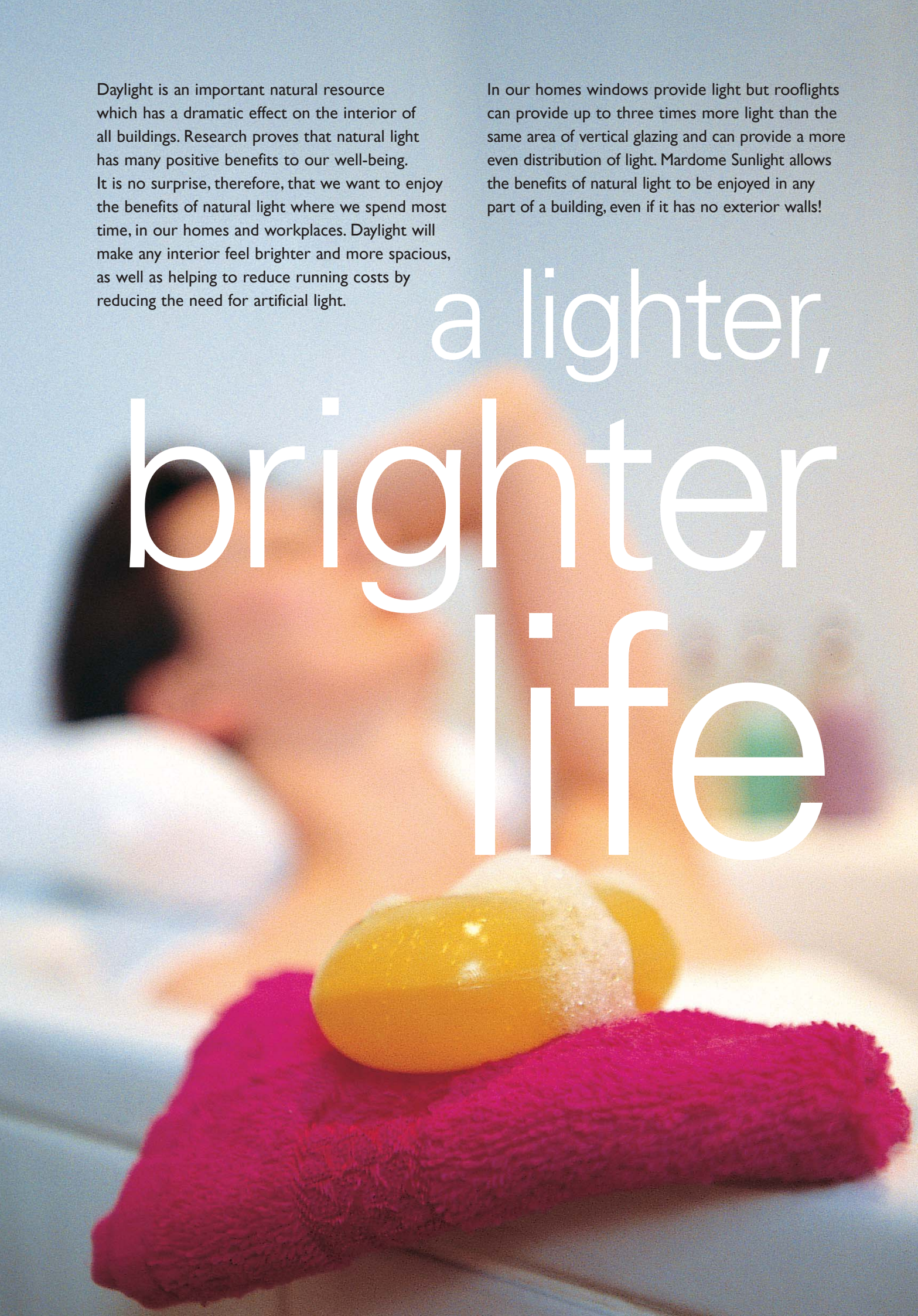
Tubular Rooflights

mardome sunlight

Daylight is an important natural resource which has a dramatic effect on the interior of all buildings. Research proves that natural light has many positive benefits to our well-being. It is no surprise, therefore, that we want to enjoy the benefits of natural light where we spend most time, in our homes and workplaces. Daylight will make any interior feel brighter and more spacious, as well as helping to reduce running costs by reducing the need for artificial light.

In our homes windows provide light but rooflights can provide up to three times more light than the same area of vertical glazing and can provide a more even distribution of light. Mardome Sunlight allows the benefits of natural light to be enjoyed in any part of a building, even if it has no exterior walls!

a lighter, brighter life



Daylight Systems

Brett Martin Daylight Systems is the UK's leading rooflight manufacturer. With almost 50 years in the rooflight industry, it is the only company in Europe to manufacture the three main rooflighting materials of polycarbonate, PVC and GRP, as well as every type of rooflight – vault, dome, in plane and pitched.

mardome sunlight

tubular rooflight

For a lighter, brighter life

This outstanding expertise has been used to create Mardome Sunlight, an innovative tubular rooflight that combines high levels of light transmission with simple installation, designed to minimise disruption in your home or business. Mardome Sunlight has been designed to allow completion of all exterior work before moving inside, facilitating faster installation and minimising disruption. After the opening is created the roof plate is installed and dressed into the roof, followed by insertion of the Sunlight Reflector roof section and final installation of the dome, completing the exterior work and allowing work to begin inside.

A discreet dome on the roof gives little indication of the dramatic effect internally, transforming dark areas, largely dependent on artificial light into bright attractive spaces. The Sunlight Reflector ensures minimum loss of light between the dome on the roof and the diffuser in the room.

Mardome Sunlight has a maximum distance of 6m from dome to diffuser so can be used to bring light to the ground floor of a two or three storey building.

MARDOME SUNLIGHT OPTICAL PROPERTIES

PROPERTY	TEST METHOD	PERFORMANCE
Sunlight Dome Light Transmission	–	90%
Sunlight Reflector Total Reflection	DIN 5036-3	95%
Sunlight Reflector Diffuse Reflection	DIN 5036-3	<12%
Brightness - along	ISO 7688	89%
Brightness - across	ISO 7688	88%
Image Clarity	ASTM E-430	95%

MARDOME SUNLIGHT IS AVAILABLE IN 3 DIAMETERS

The size you require depends on the amount of light you want.

12"/305mm	Ideal for smaller windowless bathroom, shower room or large built-in wardrobe, or for adding additional light in dull rooms
14"/355mm	Can be used to light medium size spaces, large landings and halls or the dark end of a long room
21"/535mm	Suitable for commercial situations or to create a very bright living area

mardome sunlight

Mardome Sunlight, designed for fast, hassle free installation and maximum light transmission.

The dome is formed from Marlon FSX Longlife polycarbonate sheet with double sided UV protection. It has an impact resistance 200 times that of glass and a light transmission of 90%. The dome shape, protruding out of the roof, collects the maximum amount of light possible.

The roof plate has been designed for simple trouble free installation. It is available in four options, allowing neat incorporation with the roof finish.

- **Plain Tile**
- **Profiled Tile**
- **Slate - as illustrated**
- **Flat Roof**

Mardome Sunlight comes complete with the reassurance of a 20 year limited warranty. A copy of the warranty is available on request.

20 TWENTY YEAR WARRANTY

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tubular rooflight

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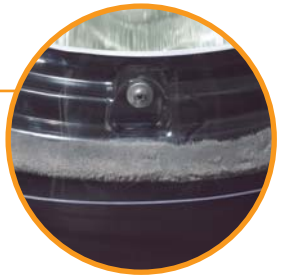
The Sunlight Reflector roof section is installed from the roof before the dome is fitted, it features a factory engineered rim for simple yet secure positioning.



Brushed nylon gasket provides a draft, dirt and insect proof seal whilst allowing any moisture within the dome to escape.

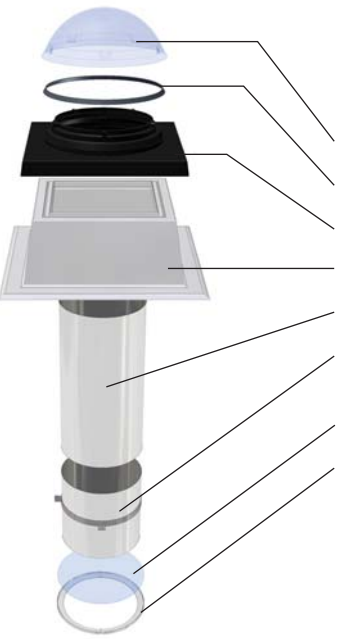
The interior of the Sunlight Reflector has a reflection level of 95%, maximising the light entering the room. A film protects the highly polished surface until it is installed.

The angle adaptor, available in 0 - 30° or 0 - 45° versions, provides flexibility in positioning both the dome on the roof and the diffuser in the ceiling. It has the same polished internal finish as the other reflector elements. For maximum light transmission the Sunlight Reflector should be kept as straight as possible.

A neat diffuser allows the light to enter the room discretely.

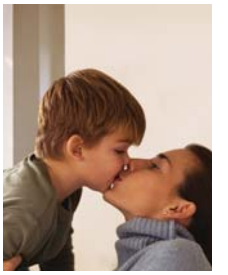
PITCHED ROOF KIT

* Profiled tile roof plate and plain tile roof plate supplied with lead flashing.



FLAT ROOF KIT

*Additional components are available if a longer Sunlight Reflector is required.



Daylight Systems

Features	< 30° Pitched Roof Kit 12"/305mm, 14"/355mm or 21"/535mm				> 30° Pitched Roof Kit 12"/305mm, 14"/355mm or 21"/535mm				Flat Roof Kit 12"/305mm, 14"/355mm or 21"/535mm
	Plain Tile	Slate	Profiled Roof Tile		Plain Tile	Slate	Profiled Roof Tile		
Dome	✓	✓	✓		✓	✓	✓		✓
Plain tile roof plate	✓	–	–		✓	–	–		–
Slate roof plate	–	✓	–		–	✓	–		–
Profiled roof plate	–	–	✓		–	–	✓		–
Flat roof plate	–	–	–		–	–	–		✓
Lead flashing strip	✓	–	✓		✓	–	✓		–
Brushed nylon gasket	✓	✓	✓		✓	✓	✓		✓
600mm Sunlight Reflector roof section	✓	✓	✓		✓	✓	✓		✓
0-30° Sunlight Reflector angle adaptor	✓	✓	✓		–	–	–		–
0-45° Sunlight Reflector angle adaptor	–	–	–		✓	✓	✓		–
600mm Sunlight Reflector section	✓	✓	✓		✓	✓	✓		–
Sunlight Reflector end section	✓	✓	✓		✓	✓	✓		✓
Mardome upstand	–	–	–		–	–	–		✓
Securing bracket	✓	✓	✓		✓	✓	✓		✓
Diffuser	✓	✓	✓		✓	✓	✓		✓
Diffuser frame	✓	✓	✓		✓	✓	✓		✓

Please specify diameter required when ordering.

ADDITIONAL COMPONENTS

- 600mm Sunlight Reflector section
- 300mm Sunlight Reflector section
- 0-30° Sunlight Reflector angle adaptor
- 0-45° Sunlight Reflector angle adaptor
- Flat roof plate
- Pitched roof plate
- Light brown diffuser frame
- Dark brown diffuser frame

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Certificate No. Q09125

BS EN ISO 9001:2000

www.daylightsystems.com

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