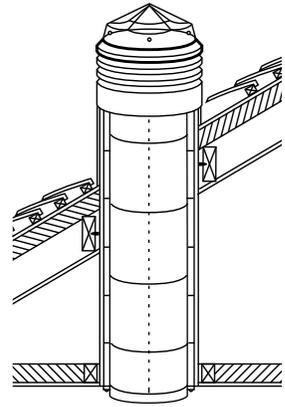


# SUNCATCHER

The Monodraught SUNCATCHER systems are a method of effectively conveying natural lighting and natural ventilation from roof level, down into the building below by combining the principles of the Monodraught WINDCATCHER system with the SUNPIPE system.



The system incorporates the remarkable SUNPIPE with the SUPER-SILVER mirror finish aluminium tube that eliminates the need for electric lighting during daytime use and provides ventilation

All ABS SUNCATCHER systems must be installed vertically as shown.

## SUNCATCHER Dimension [mm]

	ABS 350	ABS 550
External Terminal	430	625
Trunk	320	530
SUNPIPE	230	300
Roof Opening	320	550
Ceiling Opening	Grille dependent	Grille dependent

**Ideal for bathrooms, kitchens, toilets, shower rooms and small offices**

# SUNPIPE LuxLoop



**SUNPIPE LuxLoop** combines the SUNPIPE natural daylight system with an incredibly efficient and intelligent LED solution.

Delivering the right light at the right time of the day: SUNPIPE directs healthy natural light from its patented Diamond Dome through the SUPER-SILVER® finish aluminium tube to the ceiling diffuser. In the evening or when the level of external light is insufficient to properly light the space, the system is complimented by its advanced LED by leading British manufacturer PhotonStar LED™, and intelligently managed by the Halcyon™ wireless control (optional).

The result is a complete and ultra-low energy lighting system, suitable for any location with guaranteed lighting performance.

### Control Options:

Standard



Smart



Circadian



### Follow us on:



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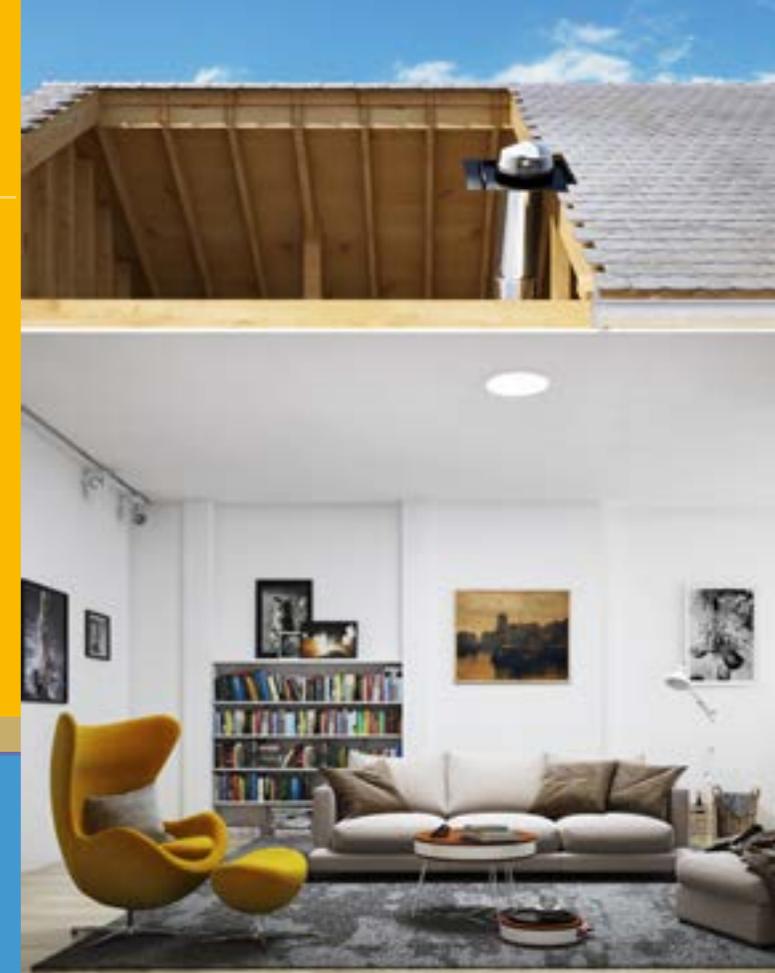
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Natural Lighting by Monodraught



Issue N° 1



**For healthier, more productive and happier occupants**

# What is a SUNPIPE?

SUNPIPE is a Natural Lighting system that maximises the concept of renewable energy by channelling natural daylight from roofs to indoor environments.

SUNPIPES create healthier, cost-effective and more productive environments.

SUNPIPES are suited to almost any application and have been installed anywhere from residential rooms to the Olympic Handball Arena in London and Falcon Centre in Dubai. A full **10 year guarantee** is offered on all SUNPIPES.

## Components



# How does a SUNPIPE Work?

The SUNPIPE system collects daylight using a patented high impact acrylic Diamond Dome, passing it through a SUPER- SILVER mirror finished aluminium tube which reflects and directs the Natural Daylight to the diffuser. The diffuser distributes the natural daylight evenly in the room.



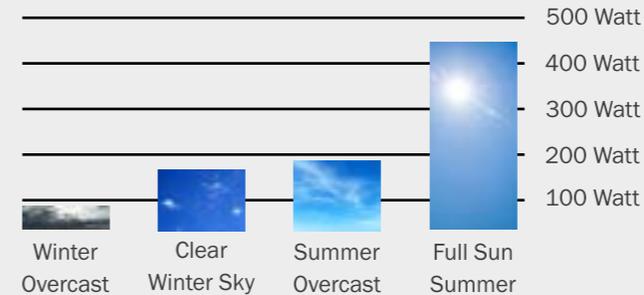
Provides sealed column of air to prevent heat loss or solar gain and ensures an even spread of natural light across any designated area

# SUNPIPE Size Selection

Area to be Lit (To a Normal Daylight Condition)	SUNPIPE Size
Approx 7.5 m <sup>2</sup> (80 Sq. ft.)	230 mm (9" dia)
Approx 14 m <sup>2</sup> (150 Sq. ft.)	300 mm (12" dia)
Approx 22 m <sup>2</sup> (230 Sq. ft.)	450 mm (18" dia)
Approx 40 m <sup>2</sup> (430 Sq. ft.)	530 mm (21" dia)

# SUNPIPE Output

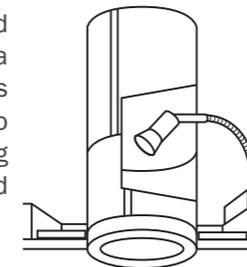
The most remarkable feature of SUNPIPE is the amount of intensified light it can deliver. The light will vary depending on the time of year but can be expressed as an equivalent to electric lighting, as shown below.



Tables from research conducted by the University of Nottingham showing output of a 300 mm dia. SUNPIPE to a flat roof application.

# Optional Accessories

Where a single light source is required the SUNPIPE can be supplied with a 50 Watt Halogen light fitting that has been especially designed so as not to affect the natural light output during daytime use, and should be fitted approx 250 mm above the diffuser.



Available for all sizes

# Roof Type Selection

SUNPIPES can be installed to any room with any roof type.



Plain Tile

Bold Roll

Slate



Rubber

Gravel

Asphalt

# Square SUNPIPE

The Square SUNPIPE system incorporates a sealed double glazed unit with an outer layer of 3 mm clear float glass, an 8 mm air gap and 3 mm clear float inner glass.



The Square SUNPIPE system can terminate in either a standard circular diffuser or an optional square diffuser for suspended ceilings.