



# Sustainably Enhancing Your Environment!



## NBS Specifications

### SUNPIPE® Systems

The Monodraught SUNPIPE system directs sunlight into a room from roof level. Here, the system collects daylight using a patented Diamond dome, then it uses a silverised mirror-finished aluminium tube to transfer the light to a room, and finally a ceiling diffuser evenly distributes the light around the room.

The Diamond dome and diffuser also seal the SUNPIPE from the ingress of rain, dust, and insects. The system is effective in sunny, overcast, and rainy conditions, requires no maintenance, and is compatible with many building designs. For example, multi-floor solutions are possible and common, but some loss of transmittance will occur. When compared against a roof light, a SUNPIPE eliminates glare, significantly reduces heat gains in the summer, and minimizes heat losses in the winter.

#### 1. FEATURES

- **Glazing details:** Clear polycarbonate diamond dome with UV inhibitors, complete with brushed nylon condensation gasket
- **Lining:** Super Silver aluminium tube in 610 mm lengths
- **Ceiling diffuser:** Prismatic, with white ceiling trim and 3 mm plywood

#### 2. ADVANTAGES

- Generally no structural alterations required, easily fits between joists and rafters
- Horizontal and basement applications are possible
- No maintenance required
- Top domes are self-cleaning due to their shape, eliminating condensation problems

#### 3. STANDARDS

- BS EN ISO 14001 and BS EN ISO 9001
- The FireGuard ceiling diffuser has been tested to comply with BS 476-20: 1987
- The fire choke collar has been fully tested to current British and European standards (test report TE 39902)
  - » **Size:** 530 mm, 700 mm, 1000 mm
  - » **Roof Terminal:**
    - \* Impact resistant acrylic Diamond shaped dome OR
    - \* UV-protected polycarbonate Diamond shaped dome



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- » **Ceiling Diffuser:**
  - \* Clear, single skin
  - \* Opal
  - \* Double glazed
  
- » **Ceiling trim:**
  - \* Brass effect
  - \* Chrome effect
  - \* Stainless steel effect
  - \* White
  
- » **Roof type:**
  - \* Bold rolled tile
  - \* Felt
  - \* Flat membrane
  - \* Green roof kit
  - \* Metal
  - \* Pitched slate
  - \* Plain tile
  
- » **Flashing:**
  - \* ABS
  - \* Code 4 lead
  - \* Galvanised
  
- » **Accessories:**
  - \* Adjustable elbows
  - \* Fire choke collar
  - \* Fire Guard diffuser
  - \* Fixed elbows
  - \* Integral Electric Light Kit
  - \* Motorised Light Shut Off dampers
  - \* Security Components
  - \* Sound Guard Diffuser

## As standard

- » **Flashing Type:**
  - \* ABS: For pitched slate roofs
  - \* ABS with weathering skirt: For pitched plain tiled roofs
  - \* Code 4 lead: For pitched profiled tiled roofs
  - \* Galvanised steel plate: For green/sedum roofs

## Options

Other bespoke arrangements are available. for sizing guidance or further details, please contact Monodraught Head Office ([info@monodraught.com](mailto:info@monodraught.com))

## Approvals

:CHAS registered

