

# SUNPIPE: Domestic Case study - Beaconsfield House Re-development

## Sustainable home-building, using Monodraught SUNPIPE's to bring natural light indoors

### Natural Lighting

- **Sector:** Domestic
- **Contact:** EAB Construction
- **Location:** Beaconsfield, Buckinghamshire
- **Product installed:**
  - » 2 N° 300 mm SUNPIPE® system

A multi-million pound property has recently been completed on the outskirts of Beaconsfield, Buckinghamshire by EAB Construction. EAB Construction are a company that specialises in offering a bespoke, award winning service, ranging from specification builds for private individuals through to their own uniquely designed and luxuriously appointed developments. Their client wanted to increase the amount of natural light available in two bathrooms and simultaneously reduce energy usage. They opted to install 2 Monodraught SUNPIPE systems in their pitched slate roof with vaulted ceiling.

The SUNPIPE natural daylight system directs sunlight into a room from roof level. The SUNPIPE collects daylight using a patented Diamond dome, using a silverised PVD coated mirror-finished aluminium tube to transfer light to a room, with a ceiling diffuser evenly distributing the light around the room.

The Monodraught natural lighting solution brings the below benefits to the end-user:

- Cost effective – energy costs can be saved as the need for electric lighting during daytime hours is minimised by as much as 75%.
- Healthier – natural daylight is known to combat Seasonal Affective Disorder (SAD).

- Sustainable energy in action – not only can SUNPIPE reduce energy usage it also leads to a considerable reduction in CO<sub>2</sub> emissions.

The practical benefits of the product are that they easily fit between joists and rafters, no maintenance is required and top domes are self-cleaning due to their shape, eliminating condensation problems, particularly useful in this case as it is installed in two bathrooms.

Peter Warren from EAB Construction said “We were happy to work with local business Monodraught to supply the SUNPIPE systems. We were convinced that their high-quality product would provide a great deal of natural light into an otherwise dark space, with no ongoing maintenance required.”



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