

Solarspot D-53 office installation

Internal meeting room

The conversion from large scale commercial space to smaller managed office space has never been more popular. However there is an inherent problem with this sort of conversion that occurs regularly, windowless internal spaces.

Milton Keynes based Bucks Biz has been pioneering the concept of providing all-inclusive quality work spaces at affordable prices in strategically important locations. They specialise in taking redundant industrial space and converting it into modular office units for companies with staff numbers ranging from one to one hundred.

To get around the daylight issue, Bucks-Biz is installing Solarspot tubular daylighting systems to pipe natural light into the heart of newly converted sites.

530mm diameter pipes, five meters long, bring daylight from the roof into offices and meeting spaces in the heart of the building.

In addition to the obvious cost saving of using this no-energy lighting solution, there is also an abundance of data that prove the benefits of natural light in the workplace. Employees working with natural light show increased levels of productivity and reduced absenteeism. They also report a general feeling of well-being that only comes from exposure to naturally lit working conditions.

Daylight now floods into spaces that previously could only be occupied under artificial light. Occupants of the daylight spaces report that they feel more connected to the conditions outside – the light levels gradually change when the sun is out or when it moves behind a cloud. The other advantage being noted is the lack of solar-gain (the heat from the sun that comes through a conventional window) or heat-gain from light fittings, so there are also additional cost savings because the air conditioning is required less than before.

“...forget low-energy lighting, this is no energy-lighting. The effect in the offices is brilliant, everyone is amazed at the difference”



Above: A meeting room at The i:Centre uses a single Solarspot D-53 to provide this internal space with an abundance of natural light.

Left: light capture domes on the roof send daylight 5m into the heart of the converted building.

System specification

Solarspot D-52 daylighting system

Installation distance (from roof to ceiling) - 5m.

Fresnel multiview Diffuser.

Aluminised steel flashing with parallel up-stand and soaker sheets for profiled commercial roofs.

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