



The design concept of this new build was to provide a well-lit, comfortable, practical and stimulating learning environment with an emphasis on sustainable technologies and energy efficient solutions. To achieve this it would be necessary to deliver daylight into the dark, inner areas of the classrooms from the roof which was two storeys above.

Each Solatube 290DS Daylighting System featured a minimum of an 8 metre vertical drop, a 90 degree turn and up to 8 metres of horizontal tubing. Each system then required several more bends to reach the designated ceiling position in each classroom.

The demand on the Solatube 350mm diameter systems was immense, but thanks to the superior light transfer and patented technologies of the Solatube systems, the daylight levels ultimately achieved were very impressive and contributed greatly in attaining the daylight factors specified by the architects.

“The enhanced reflective surface coating of 99.7% within the Solatube system made it ideal for use in long runs, some up to 16.5 metres including several bends. In spite of this they remain impressively effective, delivering natural daylight to areas it would not otherwise be possible to achieve.”

Sam Brown, Architect (LGH)



For more information on this application and other daylight-related educational improvements please email education@solatube.co.uk



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