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Address	Lightway s.r.o. Hostivická 13/22, Praha 5 - Sobín, 155 21
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Country	Czech Republic
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PRODUCTS OR MACHINERY

The Lightway Crystal dome

The Intelligent Ray Catcher Glass technology was developed to optimize the light output of an overcast sky. The shape of the Crystal dome is designed to minimize the reflection of sunlight. Owing to the significant reduction of the surface reflection, up to 30% more sunlight gets into the Lightway Crystal tube in comparison with the systems which use the flat glass of a roof window as the starting part of the tubular skylight.

The Lightway Crystal tube

The reflective surface of the Lightway Crystal tube piping light has the reflectance of 99,8% and a very low diffusion of the ray at multiple bounces along the entire length of the tubular skylight. The result is the fact that the transmitted rays of daylight do not lose the intensity even through maximum lengths of tubes and are deliberately spread in the end part of the tubular skylight – the diffuser.

Lightway Crystal Diffuser

The Crystal Diffuser is made of sodium – potassium glass and provided with an optical antireflective layer containing titanium oxide. Back reflection up into the tube is significantly reduced. The improvement to the performance is 15% higher compared to plastic diffusers.

Company Profile of Lightway s.r.o.

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