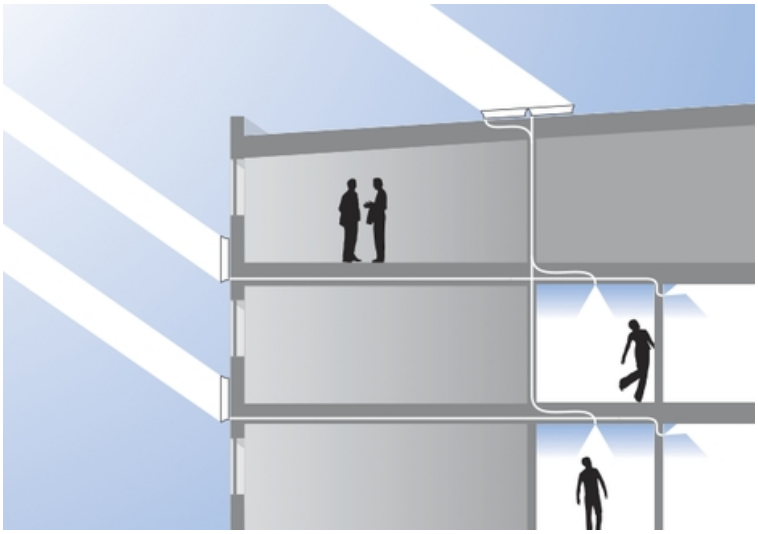
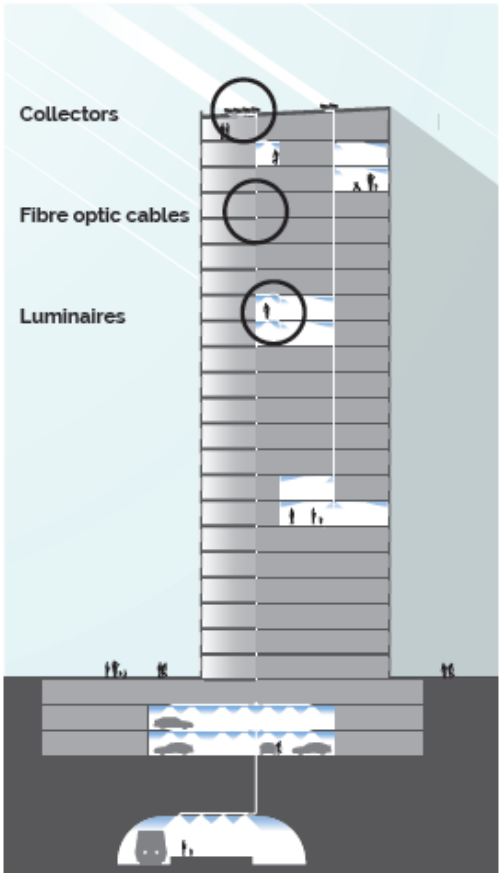
Interior Building Daylight: Fiber Optics System



Fiber optics have enabled functional and architectural fine touch lighting solutions for many projects, but lately have found even more innovative applications for interior daylighting. Passing through a thin wooden wall or concrete block is one thing – but imagine natural light that could wind its way through entire stories of a structure, pushing through walls and ceilings to the innermost windowless spaces of a building.

A FO daylighting system consists of three parts. A collector, fiber optic cables and luminaires spreading the light indoors. One or more collectors is placed on or near the building on a place where they will have good access of direct sunlight.

The collector consists of lenses mounted in alluminum profiles with a covering glass as protection. These lenses concentrates the sunlight down in the fiber optic cables. The lenses are made of plastic and cover laser especially made to resist dirt and reflection.



(Parans Light Guide)

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