

Project:
**White Bear Racquet
& Swim Club**

White Bear Lake, MN

Building Type: Office/Warehouse

When White Bear Racquet & Fitness, a leader and innovator in the Health and Fitness industry, decided that they needed to enhance the healthful and nurturing environment of the club, it was only natural that they turned to Solatube International, Inc. to fully daylight many key areas of the facility. Founded on the principles of total wellness and earth-conscious, sustainable design, the Founders of White Bear Racquet & Swim actively apply innovative technologies to their facility to make it more inviting and enjoyable for their clients while also demonstrating cost-effective technologies that will help to maintain the earth for generations to come.

Objective

Integrate Daylight into key areas of the facility to support their total wellness approach to fitness by providing a more natural and healthful environment while also demonstrating the club's commitment to earth-conscious sustainability by significantly reducing annual lighting energy requirements, all through the use of natural daylight.

Products Used

Solatube® SolaMaster® Series -

12 Solatube 21-C (21 in/530 mm Daylighting System) with OptiView® Diffusers

35 Solatube 21-O (21 in/530 mm Daylighting System)

Solution

Solar Midwest (Solatube Commercial Premier Dealer), assisted by Luma Sales (Solatube Lighting Representative Agency in Minnesota and the Dakotas), was able to develop and install a Solatube Daylighting System that provides full daylight coverage to the entry, reception, main circulation, Ingredients Café, and the 10,000sf Fitness Center. An integrated photocontrol system controls the lighting in the daylit areas, ensuring that the lights are turned off during most of the daylight hours. The Solatube Daylighting Systems have reduced White Bear's electric lighting load by one half from 115.5 kWh/day to 57.75 kWh/day or 21,000 kWh/year while also reducing air conditioning load from reduced electric lamp and ballast heat.

Testimonial

"The Solatubes are a significant part of a sustainable retrofit renovation program where daylight allows us to save energy while also improving the interior environment for better member and employee wellness. Our goal is to eliminate the use of fossil fuels completely by 2010, while increasing awareness in the community on the benefits of sustainable design practices."

Paul Steinhauser, General Partner
White Bear Racquet & Swim Club



SOLATUBE

Innovation in Daylighting.

