

Lighting the way for innovation

The University of Winnipeg opens an athletic complex with LED fixtures made of Eastman Spectar™ Stratus copolyester.

The University of Winnipeg opened a state-of-the-art United Health and RecPlex complex in September 2014 to fulfill a community need. The 189,000-square-foot indoor athletic complex accommodates a multitude of sports such as soccer, football, track and field, rugby, and lacrosse.

When designers and architects were building the facility, they were challenged with selecting a high quality material that would provide adequate lighting for the new complex. The RecPlex complex needed high mounting fixtures that would light the dome from 12 to 60 feet in the air. The major issue they were facing was low transmission, so the soccer complex turned to BJ Take and Eastman Chemical Company for a solution. With the assistance of Eastman, a lens was developed specific to the stadium's lighting needs. Excellent light transmission and diffusion offered by the lens made from Eastman Spectar Stratus hide the LED point source as well as meet the toughness requirements of the sports complex. The result is a well-lit and safe environment for an array of varied sports activities.

"Performance is always something we're striving for—you want the LED lumens per watt to be as high as possible for all applications," said Jeff Vanderveen, sales and product manager, BJ Take.

With Spectar Stratus, BJ Take was able to cut the material to the size they specifically needed with a smooth finish that wipes off easily. Stratus works well in high-traffic environments such as gyms, schools, and soccer complexes—the possibilities are endless.

"It was really good working with Eastman. They were very helpful. The sales team came to the office, tried to understand what we were trying to accomplish, and worked with us to find a solution. Eastman has great capability in its R&D department. They sent samples for us to work with and collaborated with us to tweak different things such as opacity to find the perfect solution," said Vanderveen.

For more information on Eastman Spectar™ Stratus copolyester, visit www.eastman.com/spectar.



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