

Blue Line Ice Center Arena

Sheboygan, WI



49 LED High Bays Replace T8 Fluorescent Fixtures

The Situation:

Blue Line Ice Center Arena in Sheboygan, Wisconsin, looking to increase the quality of light in their ice arena upgrades it's existing fluorescent high bays to a more visually appealing LED solution. The client was able to provide uniform light output with no glare and created an inviting environment while at the same time reducing energy usage and cutting down on maintenance costs.

The Solution:

FSC Lighting's LEHB LED High Bay was chosen to retrofit the fluorescent high bays; 32- 6 lamp fluorescent high bay fixtures and 17- 4 lamp high bays were retrofitted throughout the arena. By retrofitting their existing fluorescents with FSC Lighting's LED solution, this Sheboygan establishment will use 10,858 fewer kilowatt hours (kWh) per year with an annual savings of approximately \$1,650. LEHB provides a 180,000 hour rated life and the ability to withstand the low temperatures of an ice rink in Wisconsin. In addition to a reduction in energy consumption, reduced heat output reduces HVAC costs. LED lights emit less heat than traditional lighting. That's important when it comes to keeping ice frozen. "The conversion to LED lighting in our Ice Arena was a great way to reduce our operational budget and decrease our carbon footprint all at the same time." - Dr. Ted Di Stefano- SBLA Director of Building & Maintenance.

"Ice rink improves quality of light and diminishes glare by retrofitting fluorescents to LED."



LEHB Series LED High Bay Features:

- Projected L70: 122,000 hours
- Sensors can be integrated for additional energy savings
- Wireguard, emergency battery back-up and step dimming optional
- UL Listed and DLC Premium Listed
- 50°C Ambient Temperature Rating
- Low maintenance & energy efficient

	EXISTING	REPLACEMENT
TECHNOLOGY	Fluorescent	LED
SYSTEM	6 or 4 Lamp T8 High Bays	LED High Bay
TOTAL SYSTEM ENERGY USAGE	220/147	158/106
CONTROLS	None	Auto Demand Response Ready
TOTAL ANNUAL kwh	38,633	27,775

FSC Lighting delivers RESULTS:

ANNUAL ENERGY COST SAVINGS:

\$1,650

ANNUAL ENERGY SAVINGS:

10,858 kWh