



CASE STUDY

KRAKEN COMMUNITY ICEPLEX

Ice Skating Rink

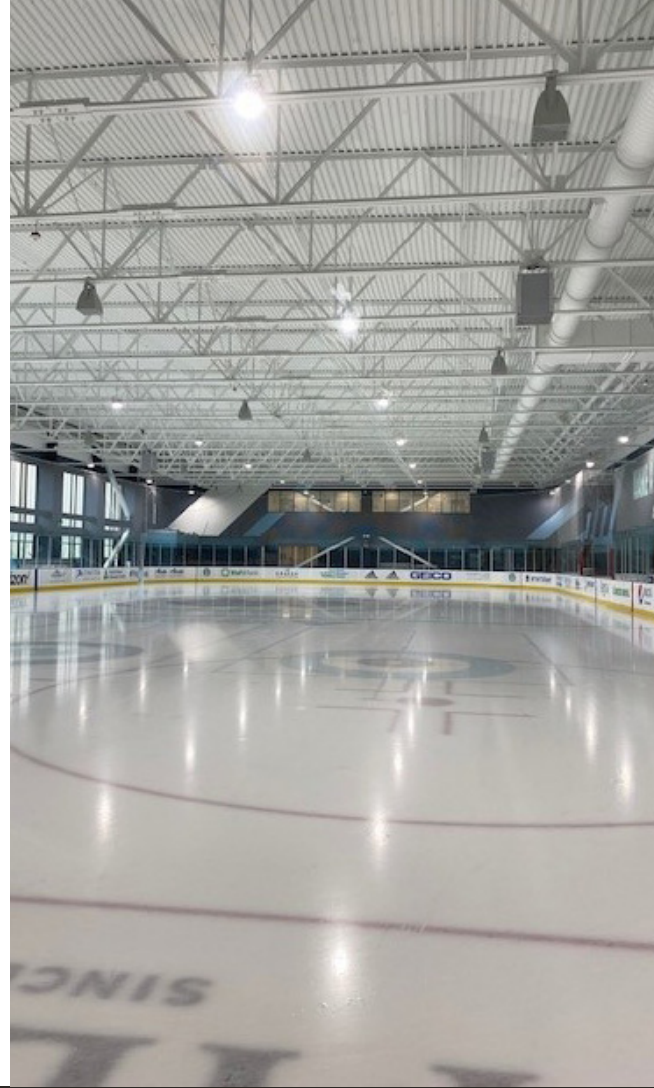
KRAKEN ICEPLEX INTRODUCTION

Ice hockey can be dangerous, from sharp skates to fast-moving pucks and player collisions, because of the hard-hitting, action-packed sport.

A proper lighting system is critical to ensure pucks' visibility and players' safety. A clear contrast must be made between a small, black, fast-moving puck and the ice rink surface so players can always see where the puck is. Also, good illumination enhances the overall experience for players and fans, creating a more enjoyable experience.

Ice sports enthusiasts unite at the Kraken Community Iceplex in Seattle to practice and participate in their passion and pastime of hockey or figure skating. The facility is dedicated to developing youth and adult ice sports in Seattle and the Puget Sound region and is also the home of the National Hockey League's Seattle Kraken.

The state-of-the-art facility was opened on September 10, 2021, and is a significant milestone in the Seattle sports community, with extensive programming for youth and adult hockey leagues, figure skating, freestyle, public skating, and programs for the physically challenged. Thanks to the considerable support of Starbucks, taxpayer money did not need to be used to create this expansive and technologically advanced facility.



THE CHALLENGE

Indoor sporting venues such as ice rinks require optimum lighting levels and sufficient coverage for hockey players and spectators. These requirements are necessary to have a clear focus on the hockey puck as well as a uniform field of vision. Optional distribution allows fans in the bleachers to follow the game without glare and provides visual comfort for the ultimate fan experience. Wireless controls and complimentary layouts are available and recommended to control energy usage and maximize luminaire foot candle coverage to reduce unnecessary expenditure.

Lighting a facility of this size is no small feat. When the lighting illuminates the ice, it makes the white ground brighter and more dazzling and may reflect light and cause glare. The glare from the ice can blind players and result in mistakes and accidents. Additionally, ice rinks require a lot of energy because of the intense refrigeration and heating. Facilities incur high operational costs, so energy-efficient lighting is paramount.

TGS Sports and SeaTac Lighting & Controls were tasked with providing customized lighting solutions for the over-the-ice lighting for all three professional-sized rinks inside the Kraken Community Iceplex.

AT A GLANCE

- Optimum Lighting Levels
- Sufficient Coverage
- Optional Light Distribution
- Wireless Controls
- Complimentary Layouts



KRAKEN COMMUNITY ICEPLEX ICE RINK

THE SOLUTION

The 300W and 400W SportHB™ Sports High Bay by TGS Sports proved the ideal solution. Working closely with SeaTac Lighting & Controls, the installation of the SportHB™ with the comfort view lenses provided uniform illumination without visible reflectance from the ice, which was essential for the project's success.

Bright, comfortable illumination was met through the proprietary optics by TGS Sports. This solution allowed for the experience of hockey players and skaters of varying abilities to be significantly improved. Expectations of the Kraken Community Iceplex CEO were met and exceeded by way of customized lighting solutions provided by TGS Sports and SeaTac Lighting & Controls.



ABOUT SPORHB™

The SportHB™ High Power LED Series is a cold-forged, highly durable construction circular high bay. It is a high-lumen output and efficient LED fixture that provides a robust solution for high-ceiling applications. SportHB™ delivers the highest lumen output performance and quality illumination. It improves gymnasium safety and productivity, lower maintenance costs, and reduces operating costs.



POWERED BY
synapse

SPORHTHB™ FEATURES & BENEFITS

SUPERIOR QUALITY

- **System Efficacy:** 135 Lm/W
- **Dimming:** 0-10V Dimming
- **Projected L70:** 100,000+ Hours
- **System Efficacy:** 100-277V, 240-480V (Optional)
 - IP65 All-Weather Rated Enclosure
 - Standard 6kV Surge Protection & 10kV Surge Protection (Optional)

PROFESSIONAL GRADE

- Accurate & Vivid Color Reproduction
- Exceeds National Broadcasting Standards
- Rugged, Cold-Forged 1070 Grade Aluminum Housing with Advanced Thermal Management System

COST-EFFICIENT

- Maintenance Free Operation for 5 years
- Reduces Energy Consumption by Over 75%
- Complimentary Lighting Layout



POWERED BY

SYNAPSE

FEATURES

- **Future-Proof:** Integral Wireless Access Node
- **Adaptable Deployment:** Offline or Cloud-Connected
- Web-Browser or App Based Management
- Multiple Zones, Behaviors, Events & Schedules
- **LTE Cellular Connectivity:** No Internet Required
- Professional Commissioning & After-Sales Support

THE CONCLUSION

The Kraken Community Iceplex is a testament to the power of collaboration and innovative design in the sports industry. Providing the community with the best lighting solutions available was made possible through the successful partnership of TGS Sports and SeaTac Lighting & Controls. This strong partnership and the installation of the SportHB™ 300W and SportHB™ 400W contributed to the Kraken Community Iceplex's success as a community gathering center.

"I'm here to tell you that dreams do come true."

Tod Leiwieke | Kraken CEO

TGS SPORTS

Kraken Community Iceplex
2021

