



Case Study

Modernizing the lighting for a lacrosse field

Prague, Czechia

High-quality lighting is absolutely essential for sports venues. To improve different aspects of your stadium, Signify provides comprehensive services—from consulting and design to implementation and maintenance—as well as unique insights into newly emerging technologies.

Our lighting solutions are simple, intelligent, and easy-to-control, delivering advanced features, versatility, and operational efficiency. They enable sports venue

operators to quickly and effortlessly create atmosphere, develop innovative and distinctive lighting scenes, and transform the environment with one click or touch, complementing events and enhancing the experience for players and spectators alike.

Signify LED lighting solutions offer:

- Instant on/off operation
- Deep and smooth incremental dimming
- Full control
- A high level of energy efficiency
- Flicker- and glare-free lighting
- Flexibility

Our advanced lighting controls ensure optimal operation in all circumstances, delivering significant energy savings and lowering maintenance costs.



The new lighting system is a significant step forward for our facility in every respect: higher intensity and better balance of light, easy control, several preset lighting modes, and instant lighting restart in the event of an outage. We greatly appreciate Signify's approach throughout the project. Signify's technicians were very helpful, and communication was easy and seamless. We received high-quality documentation for all lighting system components and installation. Minor issues were always resolved easily and quickly."

Ondřej Mika
Managing Director, TJ Sokol Radotín



TJ Sokol Radotín

Playing area dimensions: 60 × 25 m
Area: 1,500 m²

The solution

TJ Sokol Radotín engaged with Signify to replace the arena's 12 original 2 kW discharge lamps with 10 Signify OptiVision LED gen3.5 floodlights, managed by a Signify Dynalite control system. The new system reduced the sports club's lighting system power consumption by 41% and lowered related operating costs. Dynalite's remote diagnostic and management capabilities also reduced the system's maintenance costs.

With flicker-free, low-glare, high-quality lighting, the new system provides an improved level of visual comfort for players and spectators. Deep and highly precise dimming offers the ability to set the ideal illumination level depending on the activity in the arena. The new system also significantly reduces stray light that could potentially disturb people living in the neighborhood, thanks to a combination of asymmetrical optics, integrated glare shields, and careful horizontal alignment of the lights.

Benefits of the Signify approach

- **Experience, consulting, and quality**

Regardless of the sport, the event, or your facility's specific challenges, Signify guarantees you results of the highest quality.

- **Flexibility**

Our innovative lighting solutions transform venues into multifunctional spaces, significantly increasing revenue-generating potential.

- **Attractiveness**

By creating engaging atmospheres both inside and outside your facility, you can inspire fans to stay longer and share their positive experiences with others.

- **Energy efficiency**

Highly energy-efficient LED lighting offers a simple and straightforward way to save lighting-related energy costs every year.

- **Total cost of ownership**

The right lighting can positively affect your financial results by improving your brand image and lowering your operating costs.

Signify OptiVision LED gen3.5 floodlights are available with eight different optical configurations to meet a wide range of lighting application requirements. The floodlights are designed to produce highly uniform horizontal and vertical light.



BVP528 2040/757 BV A55-WB D9 T35 LT 50K

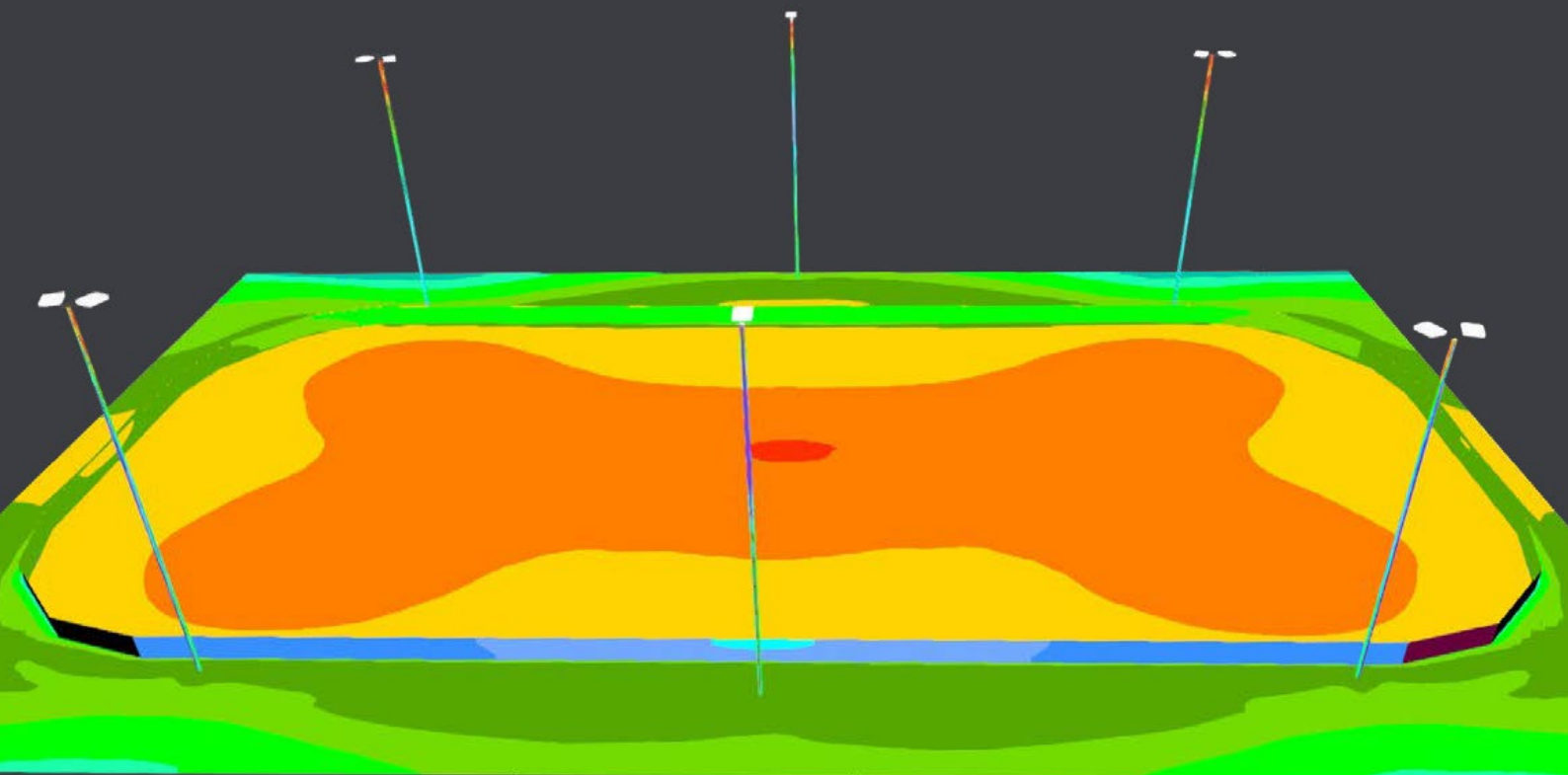
Product family	BVP528 [OptiVision LED GEN 3.5]
Light output	225,300 lm
CCT	5700 K
CRI (R _a)	> 70
Optic type	Asymmetrical
Input voltage	230-400 V
Frequency	50/60 Hz
Power consumption	1500 W
Inrush current	20 A / 0.160 ms
IP rating	IP66
Ambient temperature range	-40 to +55 °C
Protection class	I
Control protocol	DALI
Lifetime	100,000 h (L80)
Certification	CE, ENEC

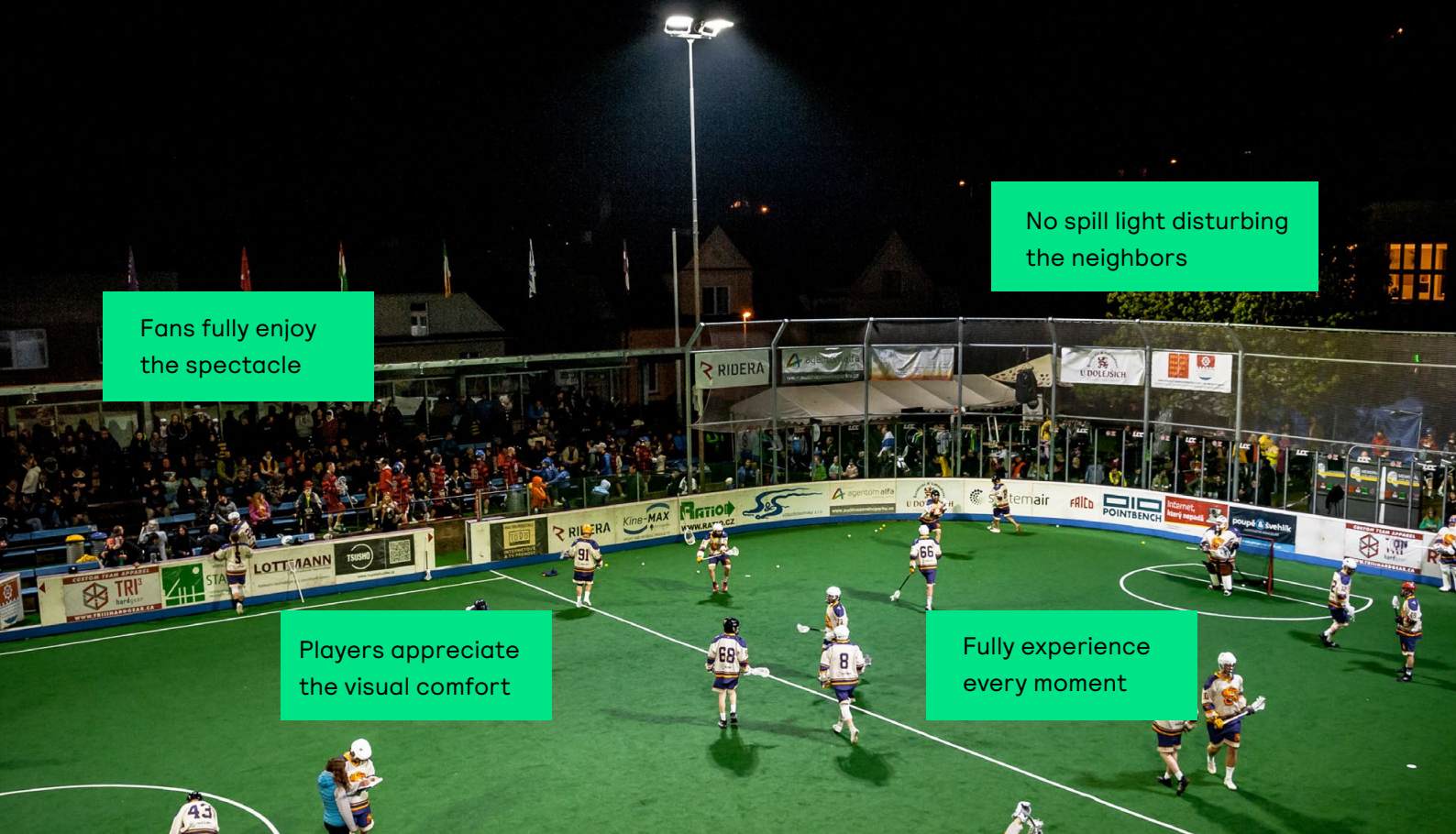


A wall-mounted Antumbra Display touch panel allows technicians to control the lighting system easily and intuitively, with preset lighting scenes and multiple pages of functions and system information available on an LED screen.

[Learn more about the Antumbra Display](#)

Signify prepared the lighting design and presented the lighting calculations to TJ Sokol Radotín prior to system installation.





Fans fully enjoy
the spectacle

No spill light disturbing
the neighbors

Players appreciate
the visual comfort

Fully experience
every moment

Savings

- Instant on/off
- Fully controllable
- Remote diagnostics and management
- Significant reduction in maintenance costs

Effects

- Preset scenes
- Deep and precise dimming
- Adaptive and intuitive system control via the Antumbra Display

Features

- Flicker- and glare-free
- Ultra-efficient optics
- Maximum design flexibility
- Best light quality and control

“

Not noticing the lighting is the best endorsement. Players don't have to worry about their vision and can focus on the game. Our television crew is also enthusiastic about the new lighting, which makes a significant improvement over the old lighting.

Ondřej Mika

Managing Director, TJ Sokol Radotín



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