



# Lighting that lets everyone win

Harnessing the power of connected lighting for recreational sports

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# As the world changes, we need to change with it

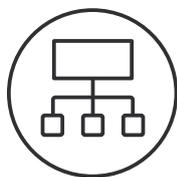
For players, good lighting has always meant improved visibility and enhanced safety. However, for those managing recreational sports facilities, the benefits go much further.

The new challenges and opportunities in recreational sports have become very clear. We've seen an ever-increasing trend of people moving to cities. With this growing urbanization comes a demand for leisure opportunities. For city authorities, this provides an excellent chance to help improve the quality of life. Healthier citizens are happier citizens and tend to place less pressure on hard-pressed public services.



## Healthier and better for the environment

An LED lighting system can support the creation of healthier cities and encourage greater participation in recreational sports. It consumes less energy than conventional lighting and helps reduce your carbon footprint. With LED floodlights, you also limit light pollution.



## An innovative response to a changing world

With increasing innovation in access control, booking systems, drainage, and other technical infrastructure, we are entering an era where lighting can be connected to other systems and help drive a transformation in recreational sports facilities. These new technological developments can reduce operational expenditure while enhancing the experience for your members.



## Saving money through intelligent systems

Operational costs for recreational sports lighting are often substantial, primarily due to ongoing maintenance expenses. In addition, tracking and analyzing lighting assets can be challenging. Gaining deeper insights into lighting usage across your sports facilities can significantly improve efficiency and help reduce overall costs.





# Signify Interact Field & Court

Field & Court is a connected lighting system for recreational sports application that offers significant potential to reduce energy costs and other operational expenses.

The system enhances the quality of light on the pitch or court and ensures easy control by providing different lighting settings tailored to the activity taking place. It includes all the standard features you'd expect from recreational sports LED lighting—and goes far beyond.

- Cost-efficient, robust wireless networking
- Simple plug-and-play installation with commissioning app
- Remote operation, control, and scheduling via app
- Local control through push-button units

## Benefits of connected lighting

### Energy efficiency

Enables operators to optimize energy usage through connected controls and energy-efficient lighting

### Connectivity and control

- Precise control of individual fixtures or groups
- Remote management and scheduling to adjust lighting levels based on activity

### Visibility and safety

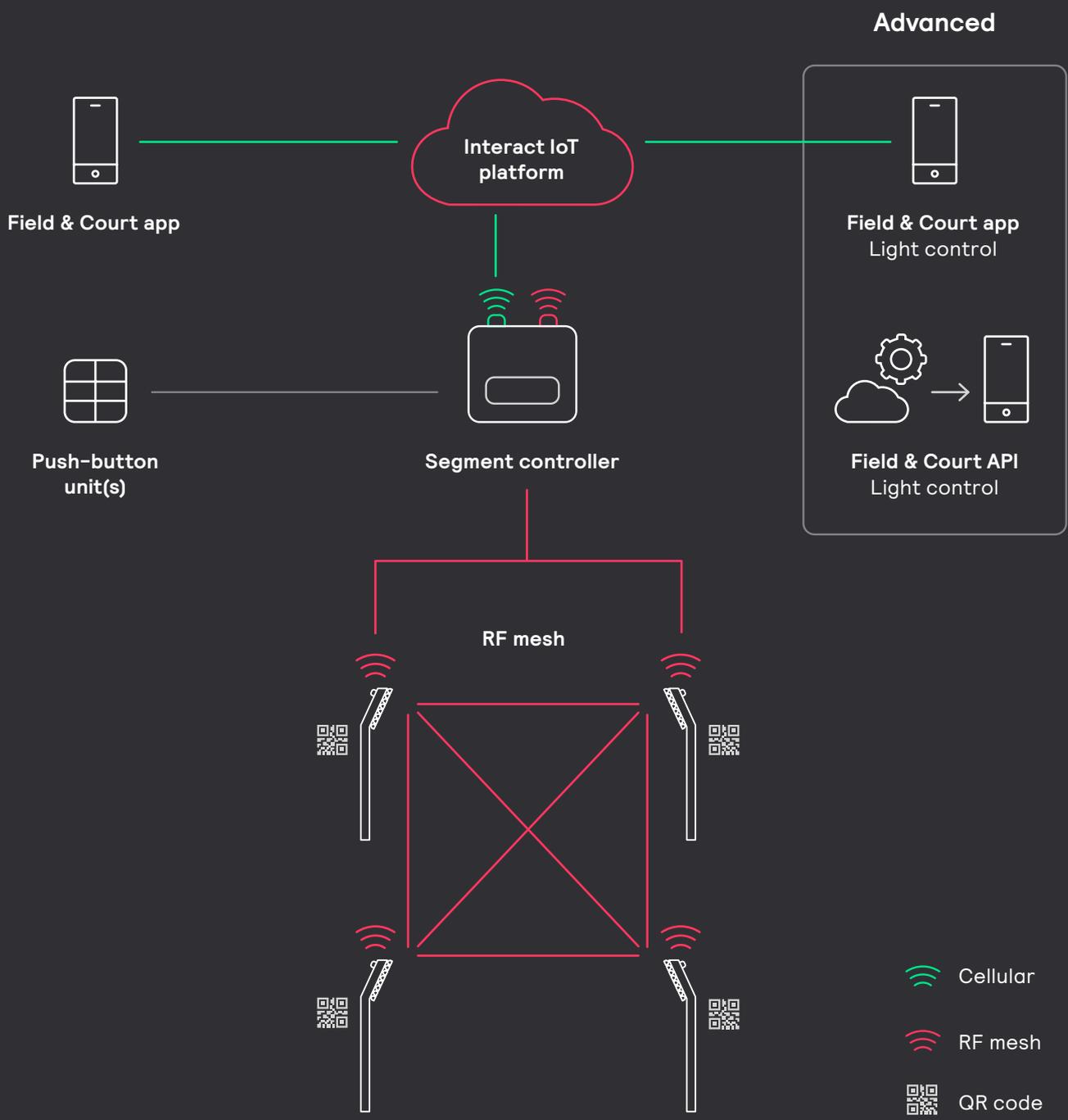
- Minimizes light pollution and glare
- Enhances visibility for users while meeting lighting compliance and safety standards



# How does Signify Interact Field & Court work?

Interact powers smarter recreational sports facilities by leveraging proven sub-GHz networking technology for optimal outdoor range and performance. The solution is fully customizable, with local control available through a portfolio of push-button interfaces and individual light point control for on/off and dimming.

The system can be easily upgraded to advanced features by enabling app- and API-based remote control options. Additionally, remote connectivity is included from the start, ensuring you're ready for future upgrades.



# What can Signify Interact do for you?

When you combine Interact Field & Court with LED luminaires, you can manage, monitor and control lighting remotely. Additionally, you can boost operational efficiency and reduce energy costs by up to 65%\*. But the benefits don't stop there.

**You can also:**

- Manage your lighting more easily with the control app, and more efficiently with the scheduling app
- Integrate lighting with other systems through our open APIs



Benefit	How?
<b>Plug-and-play installation and commissioning</b>	<ul style="list-style-type: none"> <li>• Installer-friendly with a simple commissioning process</li> <li>• No cabinet rewiring or changes to pole cabling required</li> </ul>
<b>Retrofit: Reuse existing infrastructure</b>	<ul style="list-style-type: none"> <li>• Wireless controls mounted directly on luminaires</li> <li>• Reuse existing poles, cabling, and cabinet infrastructure</li> <li>• Supports driver mounting at the top or bottom of the pole</li> </ul>
<b>Upgrade to unlock connected app features</b>	<ul style="list-style-type: none"> <li>• App-based lighting control and scheduling</li> <li>• Fully flexible user management and access control</li> <li>• Third-party application integration via API</li> </ul>
<b>Energy savings while providing the right light for every activity—helping you meet your sustainability goals</b>	Adjustable dimming levels for all activity types—e.g., matches, training sessions, and cleaning or maintenance
<b>Complete control—from groups to individual fixtures</b>	Fully customizable groups—e.g., full field, half field, or goalkeeper zone
<b>Works with industry-leading luminaires for sports</b>	State-of-the-art luminaire design allows reduced-tilt mounting to minimize glare
<b>No light pollution or spillage into neighboring areas</b>	Advanced cut-off optics and luminaire design reduce unwanted spill light

\* Based on a study comparing energy usage between conventional to LED with light in standard operational conditions.

# What do we offer?

## A package tailored to your needs.

Interact Field & Court is offered with standard features as part of the Entry proposition. Seamless upgradability to the connected Advanced proposition—unlocking additional features—can be achieved without the need for extra hardware.

### Standard features

- Easy retrofitting—eliminates disruptive and costly cable work
- Intuitive control devices that anyone can operate
- Reliable, stable communication and data transfer via wireless mesh networking
- Commissioning app with remote connectivity for easy setup, reconfiguration, and system upgrades

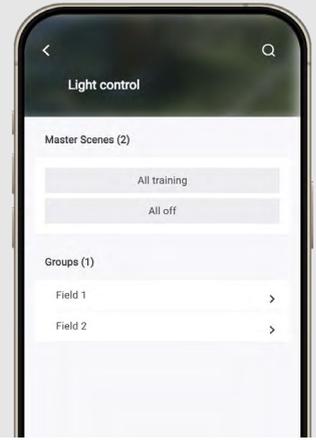
### Benefit from additional features with the Advanced package

- Control app with scene presets (e.g., match, training, comfort) per full or half field
- Granular user access management for lighting control
- Cloud-based API access for third-party integrations
- Scheduling capabilities to set on/off times in line with local regulations and facility hours

	Entry	Advanced
<b>General</b>		
Save energy	✓	✓
Reduce carbon emissions	✓	✓
Improve lighting standards and ensure safety compliance	✓	✓
Limit spill light and intrusive light pollution	✓	✓
Plug-and-play installation and commissioning	✓	✓
Retrofit: Reuse existing infrastructure	✓	✓
Individual light point control with full grouping flexibility	✓	✓
<b>Connectivity</b>		
<b>Wireless networking</b>		
<ul style="list-style-type: none"> <li>• Robust, stable communication via mesh networking</li> <li>• Wireless controls mounted directly on luminaires</li> </ul>	✓	✓
Scene configuration and granular dimming control	✓	✓
<b>Commissioning app</b>		
<ul style="list-style-type: none"> <li>• Remote capabilities</li> <li>• Reconfigurable settings</li> <li>• Supports system upgrades</li> </ul>	✓	✓
Cloud-stored project configurations	✓	✓
<b>Scene management</b>		
Push-button control, fully programmable	✓	✓
Lighting control application		✓
Calendar scheduling		✓
User access management with field- and scene-specific permissions	✓	✓
<b>Integration</b>		
Dry contact integration		✓
Cloud-based API access for third-party integrations		✓

# Lighting at your command

With Interact Field & Court, the power is in your hands. Our software lets you schedule, manage, monitor, and control lighting across all your sports and training facilities. Use the intuitive dashboard to pre-program light settings and make real-time adjustments to optimize schedules and operations.



## Pre-sales

Use the Field & Court designer tool (recommended) or another approved method to assemble the bill of materials. Then, request a quote from Signify and share it with the customer.

## Installation

Install all components according to the instructions, and record the serial numbers for the segment controller, luminaires (Zhaga), cabinet (20mm), nodes, and switches (DACM and/or DLLI8180) during installation.

## Commissioning

Update the segment controller firmware, add the site controller, configure groups, luminaires, scenes, and switches, and then validate system functionality.

## Enabling advanced functionalities

Validate the system, onboard the sports club owner, and optionally invite control users and the integrator for API integration.

## Signify Interact Field & Court building blocks



### Lighting asset management

With Interact sports lighting management software, it's easy to manage, monitor, and control connected lighting across your sports and training facilities. The platform provides valuable data that helps you optimize both your lighting schedules and overall operations.



### Scene management

This unique management software lets you activate preprogrammed lighting scenes tailored to the activity taking place—whether it's a training session or a match. You can also make real-time adjustments with a simple touch on the screen.



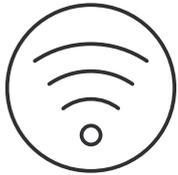
### Open APIs

Open and secure APIs enable seamless sharing of lighting data with other IT and facility management systems, allowing real-time or scheduled lighting control. They also support integration with third-party providers, who can develop additional software applications or services to further enhance your facility's operations.

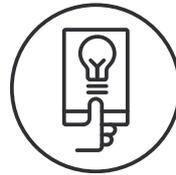
# Interact Field & Court Entry package

A cost-effective plug-and-play solution for recreational sports

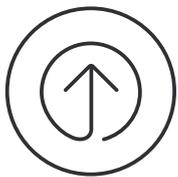
## Features and specifications



Reliable and robust wireless networking, suitable for outdoor environments



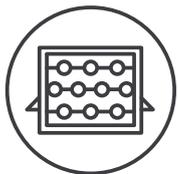
Full customizability via easy-to-use commissioning app



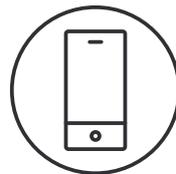
Over-the-air updates for bug fixes and feature upgrades



Pre-assembled cabinets and push-button units for easy installation

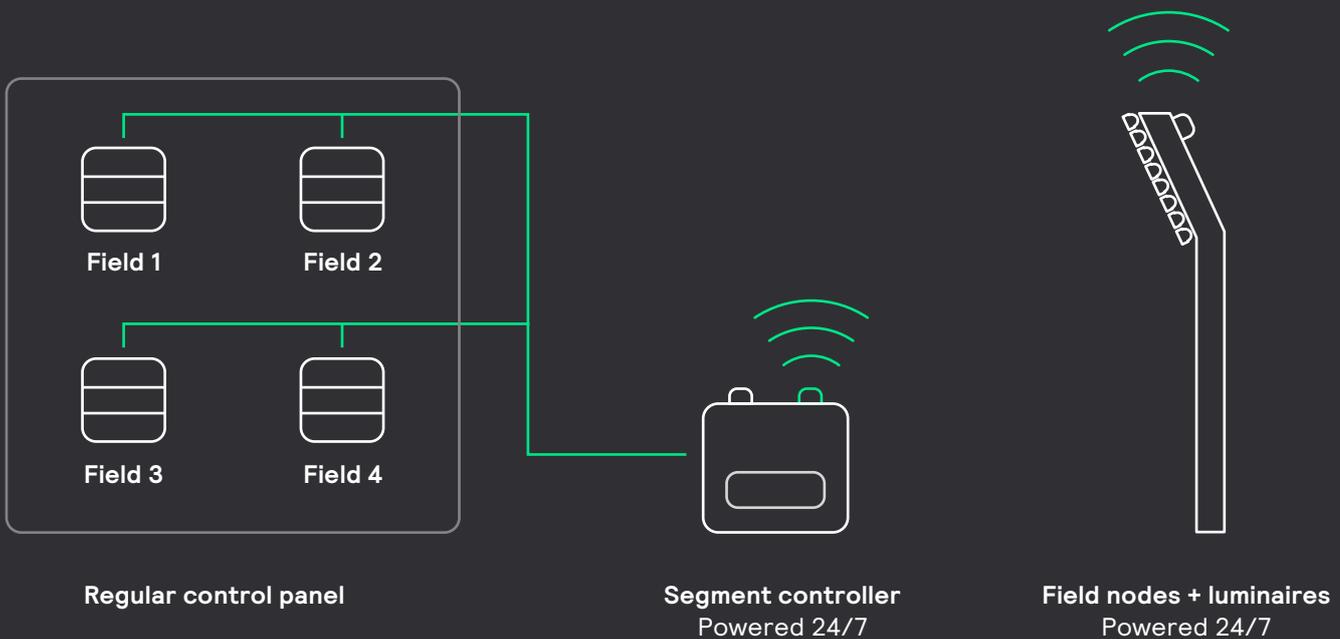


Recreational sports luminaires ready for wireless lighting control



Upgrade to advanced features to unlock app- and API-based (remote) control options

## Building blocks



# Lighting control that fits your game

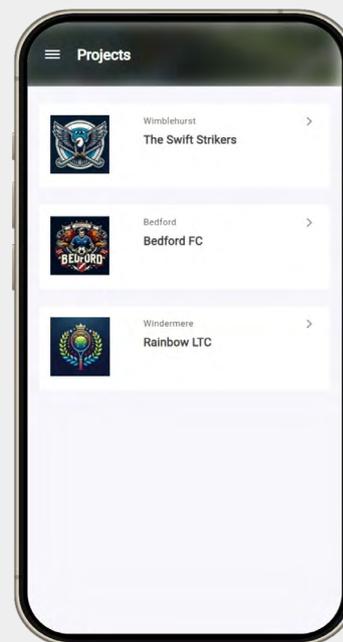
Interact Field & Court offers dedicated control devices that are tailored to your way of working.



## Entry package: Push-button unit

This traditional control method allows you to trigger lighting scenes via push buttons or a panel, which can be mounted on a cabinet, pole, or operated from the clubhouse. Choose from several simple, pre-defined light levels based on how your play areas are used.

For example, if full match-level lighting isn't needed during a training session, simply select the 'training' icon. You can even split the field in half and light only one side—offering additional opportunities for energy savings.



## Advanced package: Smartphone application

The Advanced package enables remote lighting control through a user-friendly mobile interface—perfect for club managers and staff on the go. Users can log in securely with a personal password to manage lighting anytime, anywhere.

Predefined scenes such as “Match” or “Training Left/Right” can be activated instantly, with flexible control by individual fields or zones. This supports smarter energy use and more adaptable facility management.

Designed for ease of use, the interface requires no technical expertise. It streamlines daily operations and puts intelligent control directly in the hands of those who need it most.

# Interact Field & Court Advanced application features

Because Interact Field & Court is cloud-connected, lighting control can take place from anywhere. This enables individuals—such as a club manager—to quickly check or update lighting status even when off-site.

With the Interact Field & Court application, you can view all your courts, fields, and even pathways on a single screen. You can assign individual login accounts with

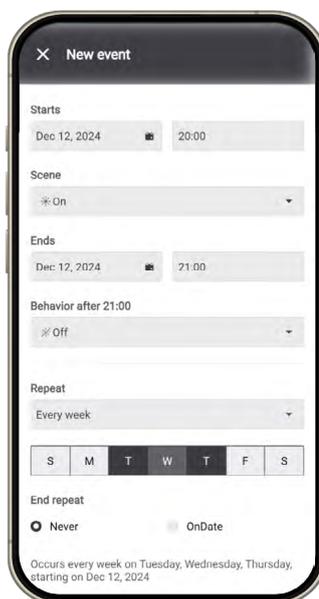
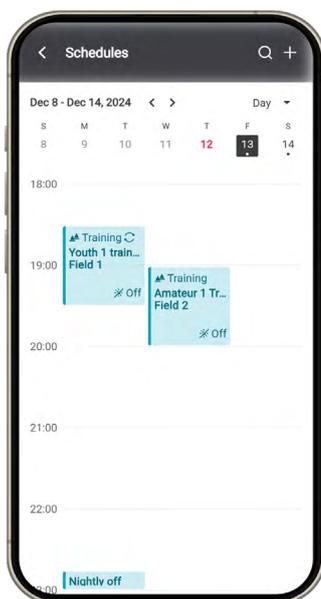
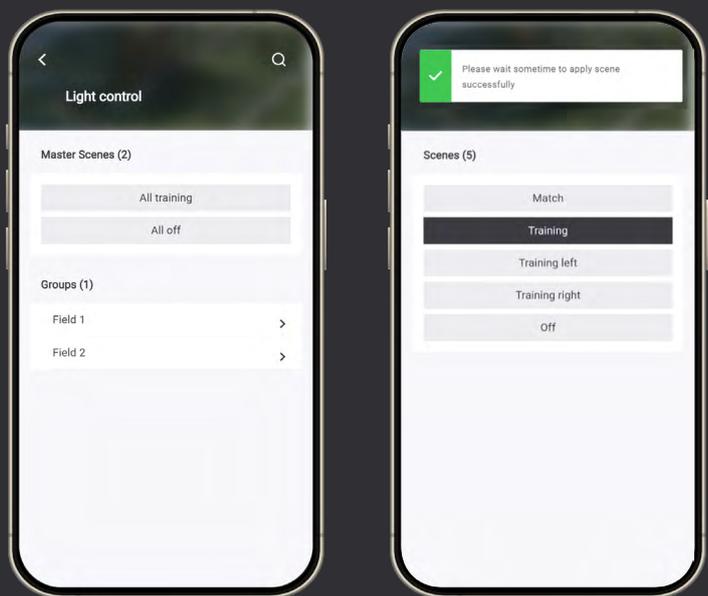
specific user permissions, giving each person access only to the areas and features they need.

For example, a trainer might only have access to the training field settings. This targeted access not only improves operational control but also supports energy savings, as training sessions typically occur in the evening and don't require full lighting intensity.

## Lighting control application

### Features

- Easy-to-use, intuitive app control
- Active scene indication and lighting control
- Granular user management for detailed access control



## Scheduling application

### Features

- Easily manage field and court schedules with one-time or recurring events
- Save energy by linking lighting schedules to sunrise and sunset times
- Set master schedules to automatically turn off lights after hours
- Ensure optimal lighting with programmable settings, remote control, and calendar-based scheduling
- Stay future-ready with simple, cloud-based upgrades

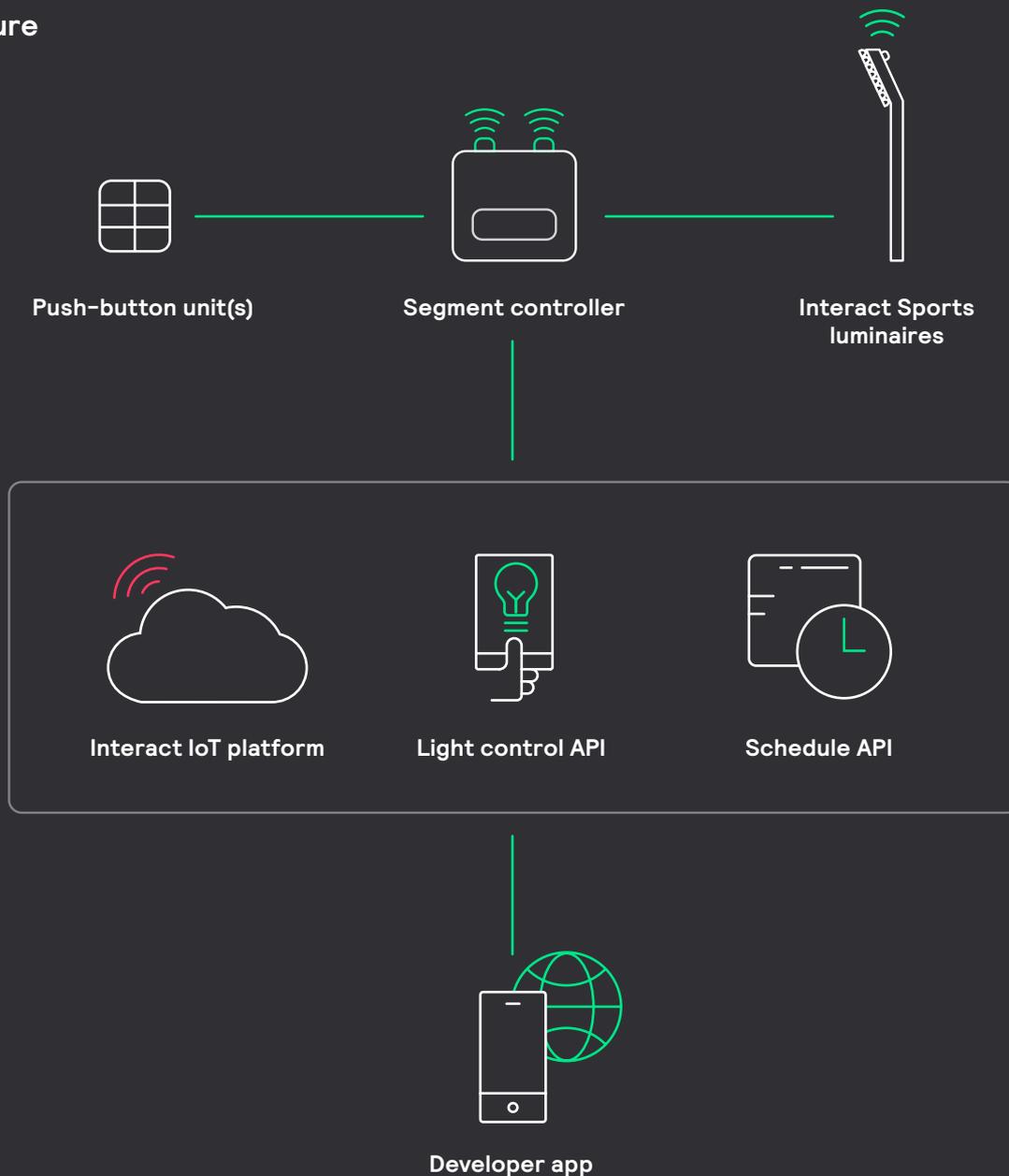
# API functionalities

## Interact Field & Court Advanced package

The Light Control API and Schedule API allow seamless integration with external apps or third-party systems. The Light Control API enables real-time control of light levels at the sports facility, while the Schedule API lets you manage scheduled lighting events within the segment controller, which executes them at the programmed date and time.

As part of the Advanced package, Interact Field & Court offers open APIs designed for integration with third-party systems. These APIs are fully documented and supported by a virtual sandbox environment for testing—ideal for use cases such as booking/reservation platforms and access control systems.

## Architecture





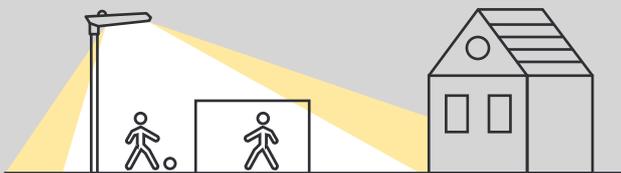
# Your training facilities transformed

## Lighting beyond illumination

- Interact Field & Court powers smarter recreational sports facilities by combining connected lighting with intuitive software. Simply put, it gives you control through a user-friendly dashboard that's easy to navigate.
- Create a seamless and enjoyable experience for your customers or visitors—from the moment they arrive for training to the moment they leave. The system enables integration with other building systems and unlocks the potential of the Internet of Things (IoT).
- With actionable data readily available, you can increase operational efficiency and even explore new revenue streams and value-added services.

## The best quality of light

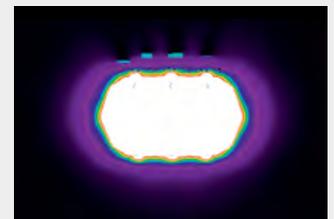
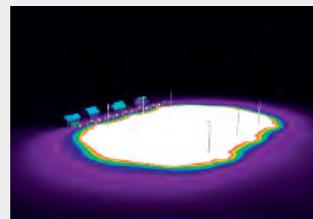
- Whether you're hosting top-level Class 1 competitions or smaller-scale Class 3 events, you need the highest possible lighting quality—fully compliant with NEN-EN standards. Signify's high-performance LED luminaires offer exactly that, with a choice of color rendering options and proven, high-quality optics.
- A wide range of optical configurations ensures efficient, precisely targeted lighting while minimizing spill. This helps reduce light nuisance and supports dark-sky preservation by directing light only where it's needed—avoiding illumination of surrounding areas and minimizing disruption to nearby wildlife.



Without spill light control



With spill light control



Integrated spill light solution LT, LTM and LO for asymmetrical beam

# Field & Court-ready Signify floodlights

- Signify offers an extensive range of connect-ready luminaires, available with a pre-installed socket. A connected node can be added either at the time of purchase or retrofitted later.
- When you combine Signify LED luminaires with Interact sports lighting management software, the system enables additional energy savings—up to 65%\*—across various area lighting applications.
- Below are the core product ranges available in different regions.
- In addition, a broad selection of other luminaires—each designed to meet specific application requirements—is also available with the connect-ready option. For more information, please contact your Signify representative.



	OptiVision LED gen 3.5	ClearFlood gen2	GameVision
	Smart, cutting-edge floodlight designed for mid- and large-sized recreational sports fields	Floodlight offering outstanding performance, energy efficiency and seamless connectivity	A 1:1 retrofit solution for conventional floodlights, optimized for outdoor recreational sports fields
Sizes	Two application-optimized-sizes: 3 and 2 modules	Three application-optimized-sizes: small, medium, large	One size
Optics	Wide range of optics with integrated spill light control		
Product highlights	<ul style="list-style-type: none"> <li>• Innovative floodlight with dedicated optics that ensure maximum optical efficiency and accurate light distribution, while minimizing spill light</li> <li>• Optimized for flexible installation with remote or integrated driver</li> <li>• Connectivity-ready with SR socket on the driver</li> <li>• LED lifetime</li> </ul>	<ul style="list-style-type: none"> <li>• Dedicated optics ensure maximum optical efficiency and accurate light distribution, while minimizing spill light</li> <li>• Choose your serviceability level and finishing</li> <li>• Connectivity-ready with SR socket on the luminaire</li> <li>• Long-lasting, robust design</li> <li>• LED lifetime</li> </ul>	<ul style="list-style-type: none"> <li>• Low-tilt luminaire</li> <li>• Weight and wind resistance equivalent to conventional solutions</li> <li>• Connectivity-ready with SR socket on the luminaire</li> </ul>
Applications	Large and medium-sized outdoor sports fields and indoor sports venues	Small outdoor sports fields and indoor sports venues	Large outdoor sports fields
Spill light control	Medium to full spill light control (integrated louver)	Medium to full spill light control (integrated louver)	Build-in night sky preservation
Luminous flux	85,000–223,000 lm	6,500–80,000 lm	100,000–140,000 lm
Connectivity	Yes, integrated SR socket		
SPO protection (swimming pool)	Yes, optional configuration		
Certifications	CE, ENEC, ENEC+, CB, Emergency, VDE-ball proof, ZD4i	CE, ENEC, ENEC+, CB, Emergency, VDE-ball proof, ZD4i	CE, CB, ENEC

\* Based on a study comparing energy usage between conventional to LED with light in standard operational conditions.

# ClearFlood



## Large

- Interact Ready connectivity for smart recreational lighting
- Connect to the cloud and save energy for optimized efficiency and improved lighting management



## Medium

- High-end optical platform
- Dedicated sports optics for optimal light distribution



## Small

- Very attractive total cost of ownership
- High luminous efficacy (143-167 lm/W) at CCT 4000K, CRI70
- Very long lifetime: 100,000 hours @L90

# OptiVision LED



## OptiVision 3 modules

- Higher luminous flux reduces the number of luminaires required, lowering total installation weight and overall TCO
- Symmetric and asymmetric optics provide enhanced comfort and reduced glare, suitable for low mounting heights



## OptiVision 2 modules

- Long-lasting LEDs, advanced thermal management, and a reliable IP66-rated driver box all contribute to minimized maintenance costs



## SR ready driver + Zagher RF node

- Integrated SR socket
- Future-ready driver for Interact Field & Court application upgrades
- Plug-and-play connectivity with Interact RF nodes

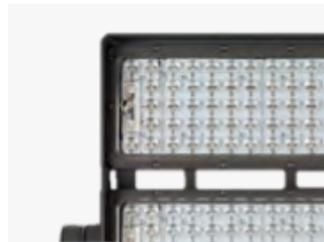
# Safeguarding nighttime environments

To minimize the impact of artificial lighting on biodiversity, human health, and star visibility, it is essential to control light pollution—particularly in outdoor recreational sports areas.

EN12193 outlines key requirements for sports lighting that aim to protect and enhance the nighttime environment by limiting obtrusive light, which can cause both physiological and ecological disturbances to people and surrounding ecosystems.

## Signify solutions

- Design lighting systems to meet the appropriate light levels specified in EN12193 for sports lighting.
- Use high-quality luminaires with zero upward light output and proper shielding—such as louvers featured in Signify LED floodlights—in accordance with EN12193 and/or the CIE 150 guidelines for reducing obtrusive light in outdoor installations..
- Leverage Interact Field & Court to create tailored lighting scenes and dimming schedules adapted to specific activities, reducing unnecessary light output when full illumination isn't required.



Standard optic for project cost optimization



Integrated louver (LT, LM, LO) for asymmetrical beams



External louver

LTM

**Medium spill light reduction (with integrated louver)**  
Includes front and back light cut-off. Side light cut-off only available with narrow optics.

LO

**Full spill light control (with integrated louver)**  
Includes front and back light cut-off. Side light cut-off only available with narrow optics.

# FIFA names Signify as Preferred Provider for Floodlights

Signify has been selected as a FIFA Preferred Provider for Floodlights, confirming that our sports lighting meets FIFA's highest quality standards.

As part of the FIFA Quality Programme, Signify meets strict requirements for product quality, performance, and manufacturing. We will also support future innovation in sports lighting through joint research and development.

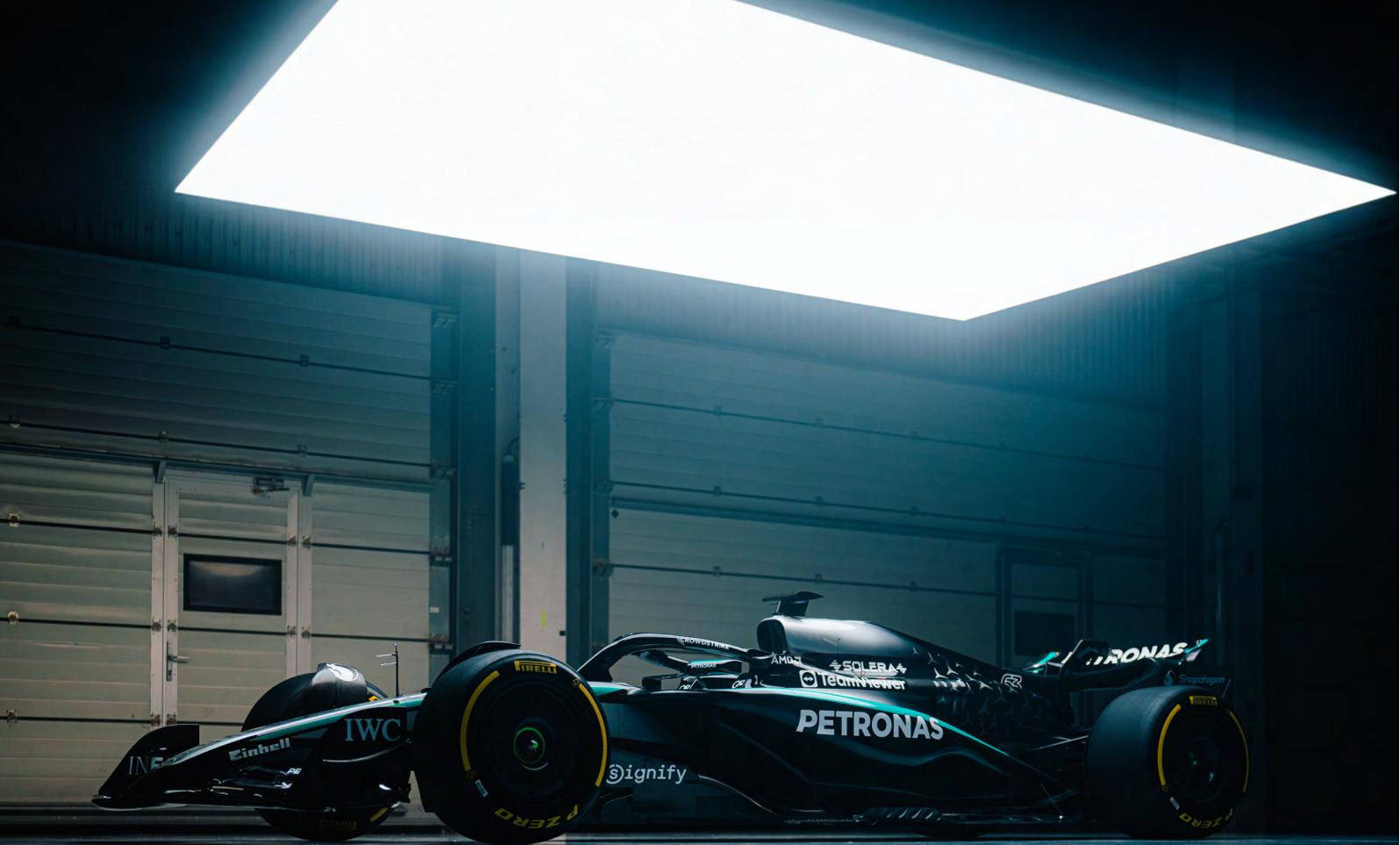
Our lighting systems enhance the experience for players, fans, referees, and broadcasters, while supporting advanced technologies like VAR and goal-line technology. Signify's floodlighting is also used for light shows and entertainment, creating memorable stadium experiences.

We offer a range of cutting-edge floodlighting systems, including ArenaVision LED gen3.5 and OptiVision LED gen3.5. Both systems can be managed remotely across the entire venue—from the pitch to the façade to hospitality areas—enhancing operational efficiency.

Signify floodlighting is already in use at world-class stadiums around the globe, including Stadion Feijenoord in Rotterdam, where the new ArenaVision system has improved the matchday experience and delivered 63%<sup>1</sup> energy savings compared to previous systems.

<sup>1</sup>Feyenoord's previous power requirements prior to the installation of Arevanavision were 748kW; now with Arenavision: 274 kW.





# Driven by responsible innovation

The partnership with the Mercedes-AMG PETRONAS F1 Team reflects our shared passion for innovation, sustainability, and pushing boundaries through technology.

At Signify, we believe in the power of light to unlock human potential—on and off the track. This global collaboration places us at the heart of the world's fastest-growing sport, offering a platform to enhance team performance and elevate fan experiences alike.

We've already illuminated iconic circuits like Las Vegas and Singapore, and premium spaces such as the Silverstone and Vegas Clubs—ensuring safety, visibility, and unforgettable spectacle.

Together with Mercedes, we're exploring how lighting can support focus, recovery, and overall performance. At the team's Brackley HQ, our NatureConnect system brings the benefits of natural daylight indoors to support wellbeing in high-pressure environments like simulation rooms. We're also investigating how circadian lighting can help drivers and engineers perform at their peak—whether in the sim, on the track, or adjusting to jet lag in their hotel rooms.

And this is just the beginning. Our long-term vision is to harness the power of light as a tool for performance, precision, and progress.

Signify is Official Lighting Partner of Mercedes-AMG PETRONAS F1 Team



Official Lighting Partner  
**AMG  
PETRONAS**  
FORMULA ONE TEAM



## Advancing sustainability

We support the Mercedes-AMG PETRONAS F1 Team's ambition to achieve net-zero by providing sustainable, energy-efficient lighting solutions.

## Enhancing well-being and performance

Our advanced lighting technology brings the benefits of natural daylight indoors—supporting well-being and boosting team performance with energy-efficient solutions tailored for F1 environments.



## Elevating experiences

From precision lighting at every track turn to immersive surround lighting at home, we deliver the ultimate experience—on and off the circuit.

# Signify is the world leader in lighting

We provide high-quality energy efficient lighting products, systems and services



Light sources

**No. 1**

Connected, LED, conventional



Systems and services

**29,000**

people in over 70 countries

Our purpose is to unlock the extraordinary potential of light for brighter lives and a better world

**20,250**

patents in 2024

**156M**

connected light points in Q2 2025

**100%**

renewable electricity has powered all global operations at Signify since 2020

**40%**

on track to reduce Green House Gas emissions by 2025\*

DJSI World Index Member  
European Index Member  
Top 10% in our Industry

Member of  
**Dow Jones Sustainability Indices**

Powered by the S&P Global CSA

Platinum medal



A List member



Rated AA | Leader



Member



Prime | Industry leader



# Elevate your business with Signify Services

At Signify, we are at the forefront of providing tailored lighting services that are designed to meet the exact needs of your business.

## Professional services

Maximize energy savings and performance with tailored lighting solutions, expert insights, and guidance aligned to your building's unique needs.

- **Audit:** Identifying business objectives and gathering detailed asset data
- **Design:** Optimized design to enhance lighting performance
- **Consulting:** Specialized guidance to craft a customized lighting solution



## Lifecycle services

Comprehensive services to maintain, optimize, and extend the performance and lifespan of your lighting infrastructure.

- **Extended warranty:** Minimize risk with guaranteed replacements for product failures
- **Basic:** Essential remote support and maintenance for quick issue resolution
- **Advanced:** Unlock full value with expert lighting solutions and system optimization

## Managed services

Seamless, results-driven performance commitment from Signify, ensuring reliable outcomes without the operational hassle.

- **Standard managed services:** Enhance your ROI through efficient lighting management
- **Light as a Service (LaaS):** A sustainable, finance-backed model delivering immediate savings, no upfront Capex required



# Take your lighting game to the next level— with Signify Interact Field & Court





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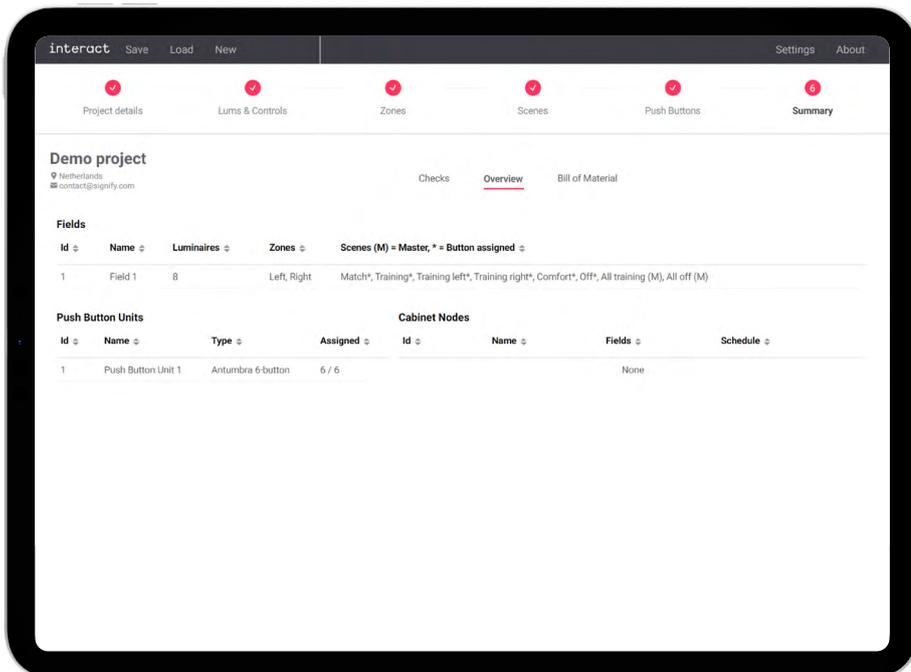


# Pre-sales

- Use the Field & Court designer tool (recommended) or
- Use another method to assemble the bill of materials
- Request a quote from Signify and present the offer to the customer

## Tools

- Designer tool
- Designer tool manual



Design tool



Bill of materials output, exportable as PDF

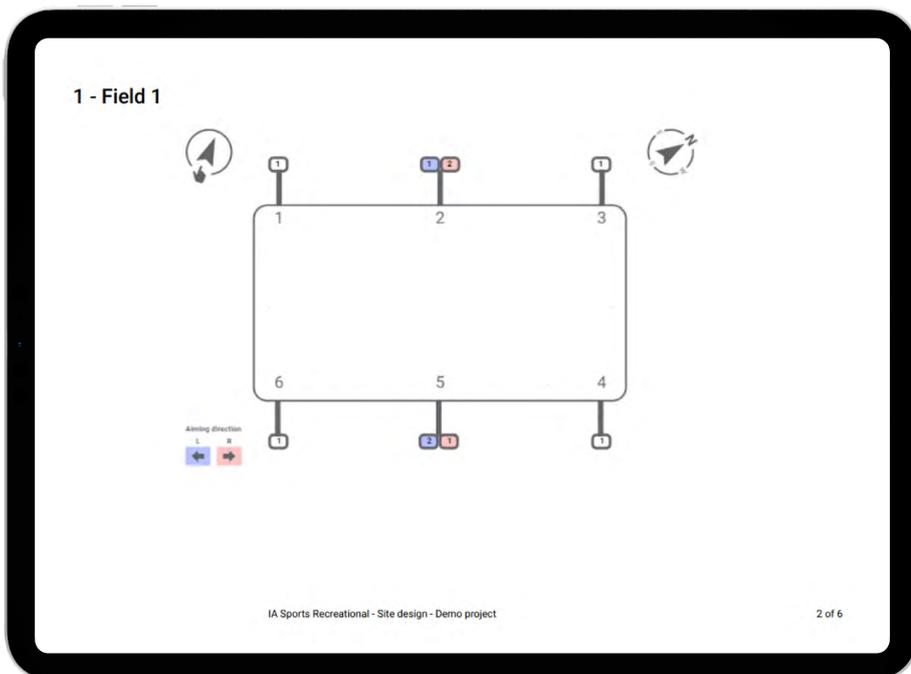


# Installation

- Install all components according to the installation instructions
- Make sure to record the serial numbers during the installation!
  - Segment controller
  - Luminaire (Zhaga) and cabinet (20 mm) nodes
  - Switches (DACM and/or DLLI8180)

## Tools

- High-level Field & Court wiring diagrams
- Printable label book (to log and attach serial numbers)
- Commissioning guide



Design tool PDF output could be an easy place to stick your serial numbers



QR codes of nodes, segment controller and switches to be captured



# Commissioning

- Update segment controller firmware
- Add site controller
- Create groups
- Add lights
- Create scenes
- Create and configure switches
- Validate button behavior

## Tools

- Segment controller firmware update files
- USB stick
- Commissioning guide

