

interact

Take control of your
sports facility

August 2024



The best quality of light

Best quality of light

Clubs want the best possible quality of lighting, which complies with NEN-EN standards. With the high performance of Philips LED luminaires, you have a choice of different color rendering as well as proven high-quality optics.

Dark sky compliance

Light without spreading out into the surrounding area and disrupting nearby inhabitants and wildlife. A wide range of optics ensures the lighting is efficient and precisely distributed, all while minimising spill.



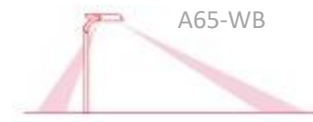
With spill light control



Without spill light control

Flexibility

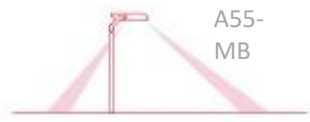
0-tilt allows for low SCx value for projects that want to re-use installed pole structures to minimize required investment. 0-tilt option further increases comfort.



Large width area application
(apron parking, etc.)



Medium outdoor sports pitch
(football, hockey, etc.)



Small outdoor sports pitch (tennis,
basketball) and indoor venues

Hassle-free/easy maintenance

Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information.

Energy savings

When you combine Philips LED with Interact lighting management software, the floodlight enables additional energy savings (up to 65%) in different area lighting applications.

Full spill light control around the pitch with no light pollution and no nuisance



Light pollution towards sky : Light nuisance for neighbors



Comfort solution



Interact brings you

- Improved quality of light on the field – Better visibility, experience
- Best quality of light with spillage control – Reduced light pollution
- LED luminaires with zero tilt mounting – Less glare, increased comfort

Connected lighting that enables you to manage, monitor and control lighting at your sports facility:

- Right level of light for various events - Reduces energy cost up to 30%
- Fully programmable light settings – Always the right light level
- Gain easy, remote control over your facility's lighting – Convenience
- Schedule the lights for any day in calendar – Operational efficiency
- Benefit from the cloud-based upgrades – Future proof

InterAct Field & Court

An easy to install and operate lighting control solution for recreational sports facilities

- Cost efficient
- Easy to install
- Wireless mesh networking
- Locally controllable via push button units
- Remote connectivity and future upgrade path



Light management

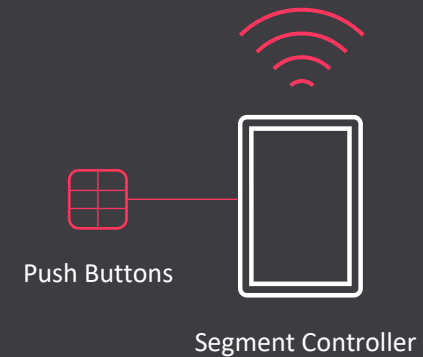
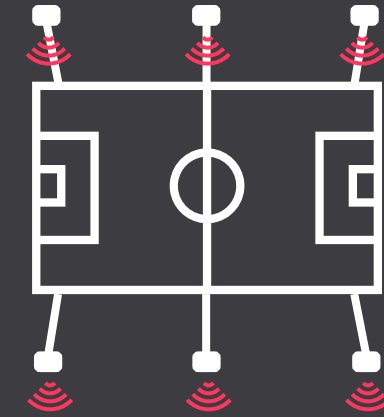


Scene management

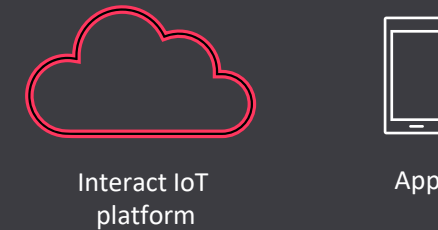


Your training facilities transformed

- Interact powers smarter recreational sports facilities.
- Fully customizable local control via portfolio of push button controls and individual light point control for on, off and dimming
- Leveraging proven sub-GHz networking technology for optimal outdoor range and performance
- Our offering includes
 - ✓ Pre commissioned control equipment
 - ✓ Choice of push button unit accessories
 - ✓ Pre-made cabinets and push button units for easy installation
 - ✓ OptiVision Gen 3.5 LED luminaires ready for wireless lighting control
 - ✓ Remote connectivity included, ready for future upgrades



Future upgrade



Harnessing wireless lighting controls

Benefits	How?
Plug and play installation & commissioning	• Fully pre-commissioned by Signify • No re-wiring of cabinets or changes in cabling to poles required
Retrofit – re-use of infrastructure	• Wireless controls mounted on Luminaires • Re-use of pole, cabling and cabinet infrastructure • Supports driver mounting on top of pole or at bottom
Ready for future needs	• Remote connectivity included for future upgrades • Ready to be extended to cover more fields
Energy savings while having the right light for all activities – meet your sustainability goals	• Dim levels suitable for any type of activity e.g., Match, Training and Cleaning / Maintenance
Full grouping flexibility through controllability down to the individual light point	• Fully customizable groups that can include e.g., full field, half-field or keeper zone
Best in industry Philips luminaires for sports	• State of the art luminaire design which allows reduced tilt mounting for minimizing glare
No light pollution / spillage to neighbourhood	• State-of-the-art cut-off optics and luminaire design minimized spill lighting

System features and specification - Entry and Advanced



- Easy retrofitting – cutting out disruptive and costly cable works.



- Standard control devices that anyone can operate.



- Reliable and stable communication and data transfer via wireless mesh networking.



- Commissioning app with remote connectivity for easy commissioning, re-configuration and system upgrades.*

** Enabled through future system update*



- Scheduling, use this to determine overall on and off times for the Lighting to comply with local regulations, operating hours.*



- Control app for scene controls (e.g. Match, Training, Comfort) per field or half field.*



- Granular user access management for lighting control.*



- Insights into energy consumption and system health.*



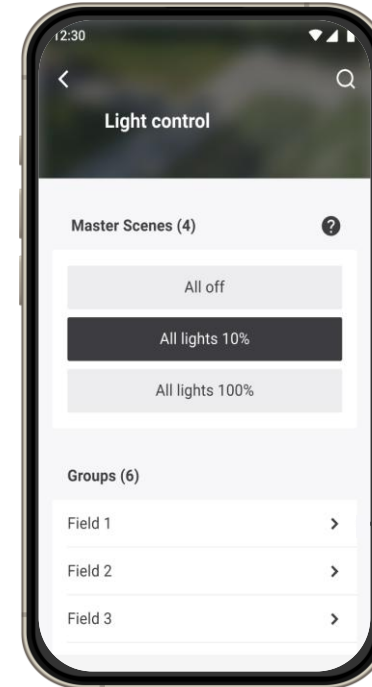
- Cloud-based API access for 3rd party integrations*

** Enabled through future system updates*

Intuitive control – 2 different options for controlling light settings



Push Button Unit
Entry



App*
Advanced

** Enabled through future system update*

Push Button Unit

- Easy to use, intuitive push button unit
- Can be placed on a cabinet, pole or operated from the clubhouse
- Fully programmable scenes and light levels
- Status feedback LEDs



Design guidelines

Design guidance

Some basic rules to follow:

1. Each node shall have at least 2 other nodes or a site controller within 110 meters line of sight
2. Mount the segment controller in a location that is within 50 meters free line of sight of at least two nodes
3. Couple no more than 80 nodes to a segment controller
4. Connect no more than 18 push button units

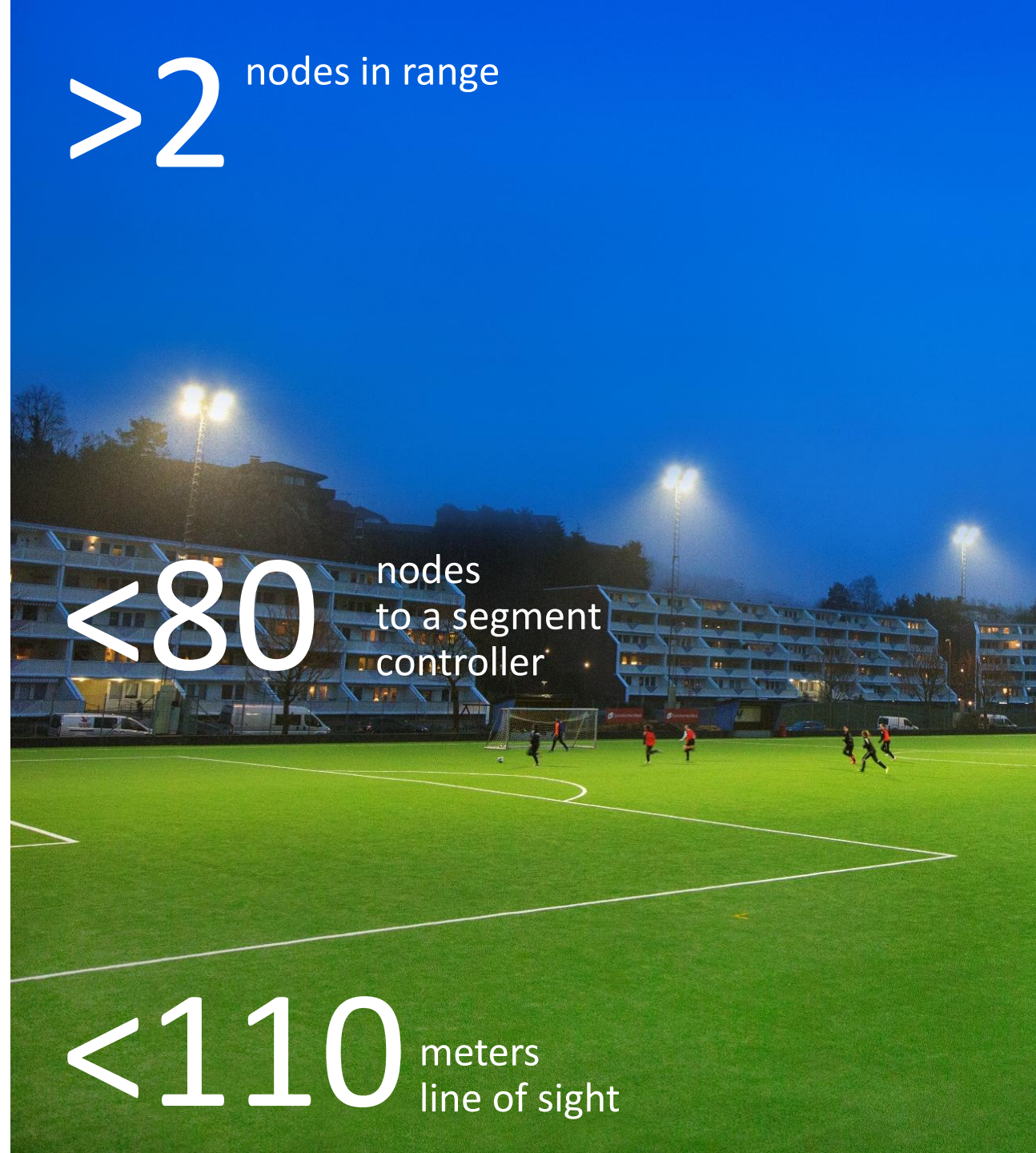
Following these design guidelines guarantees a healthy and robust system.

A repeater can be installed without luminaire to extend range where required.

>2 nodes in range

<80 nodes to a segment controller

<110 meters line of sight

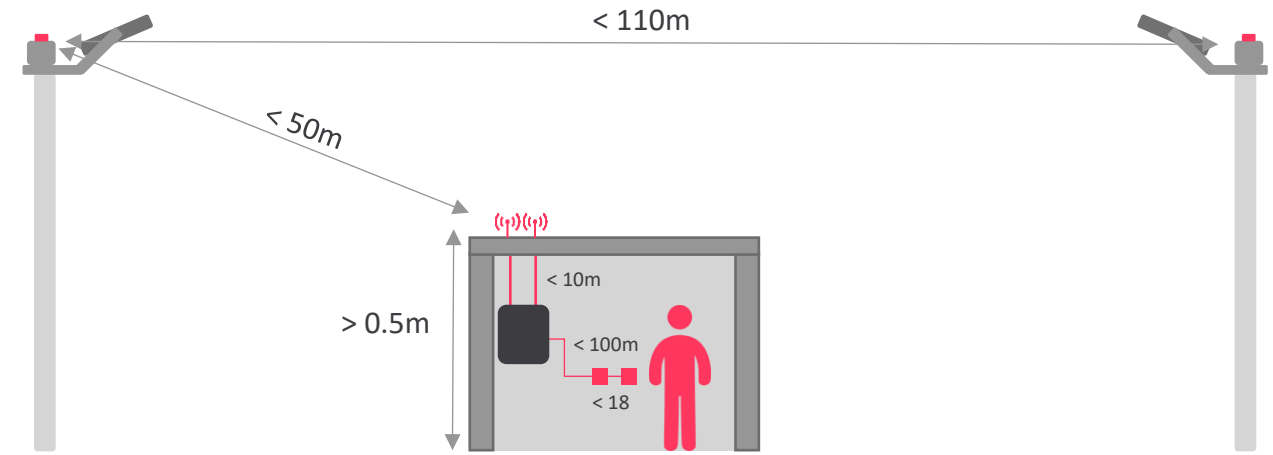
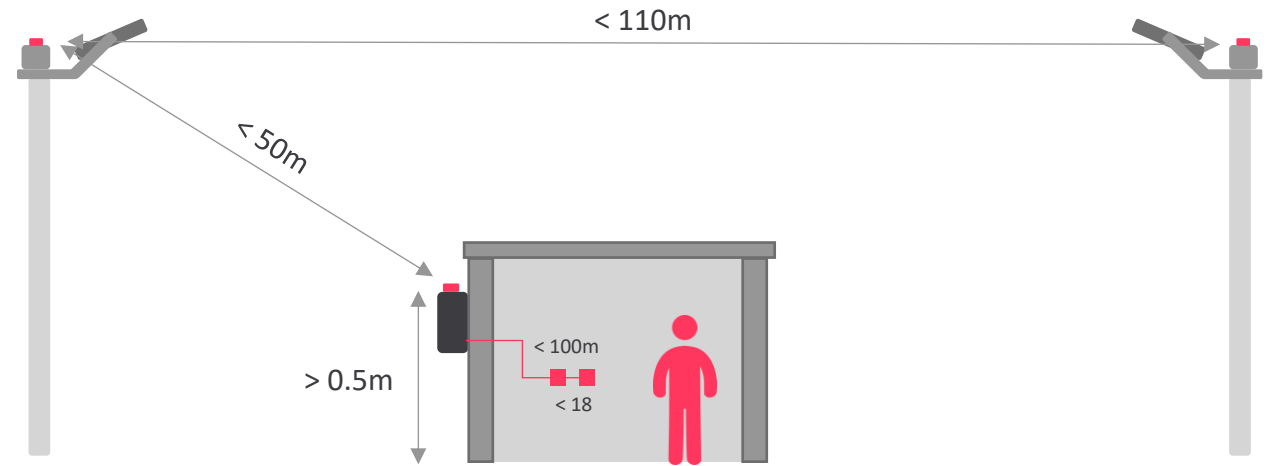


Placement of the segment controller

The segment controller must be placed at a strategic location within the project.

The segment controller must be:

1. Placed centrally to have as many nodes as possible in its line of sight
2. Placed at a location where it can be easily wired to physical push buttons (max. 18) with a maximum 100m cable length
3. Optionally mounted with external antennas when mounted indoors (to ensure good signal strength)

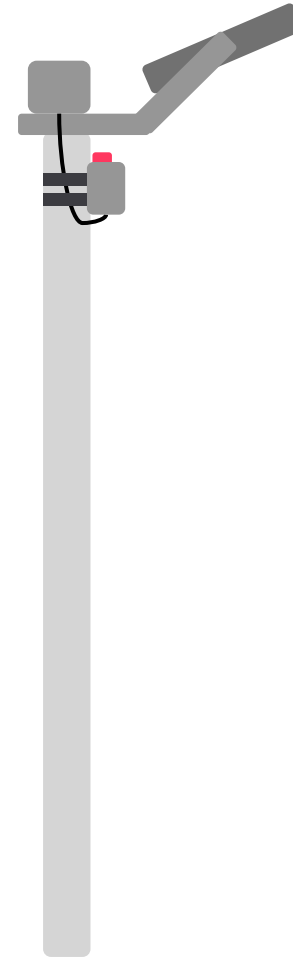


Placement of control boxes

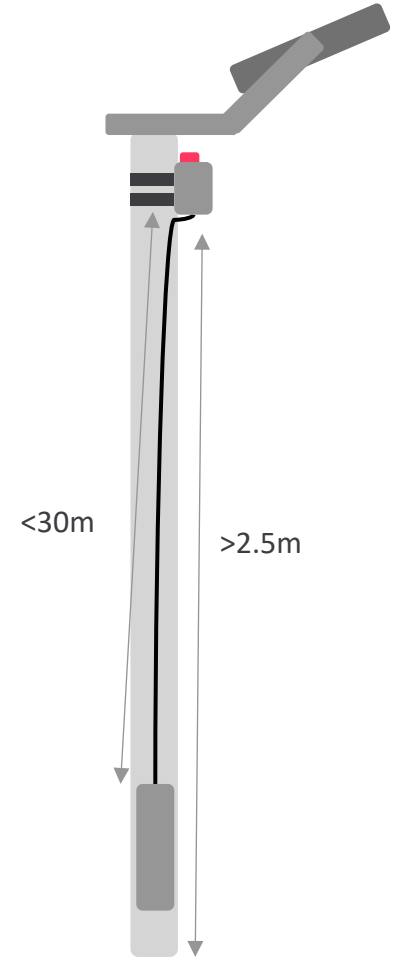
The control boxes can be used to connect non-SR DALI drivers to the system.

The control boxes must be placed:

1. As high as possible in the mast, but at least higher than 2.5 meters from ground level
2. Placed such that wireless node can be placed level
3. Within 30 meters of controlled DALI luminaire(s)
4. DALI cabling must run through pole for protection



Driver with luminaire



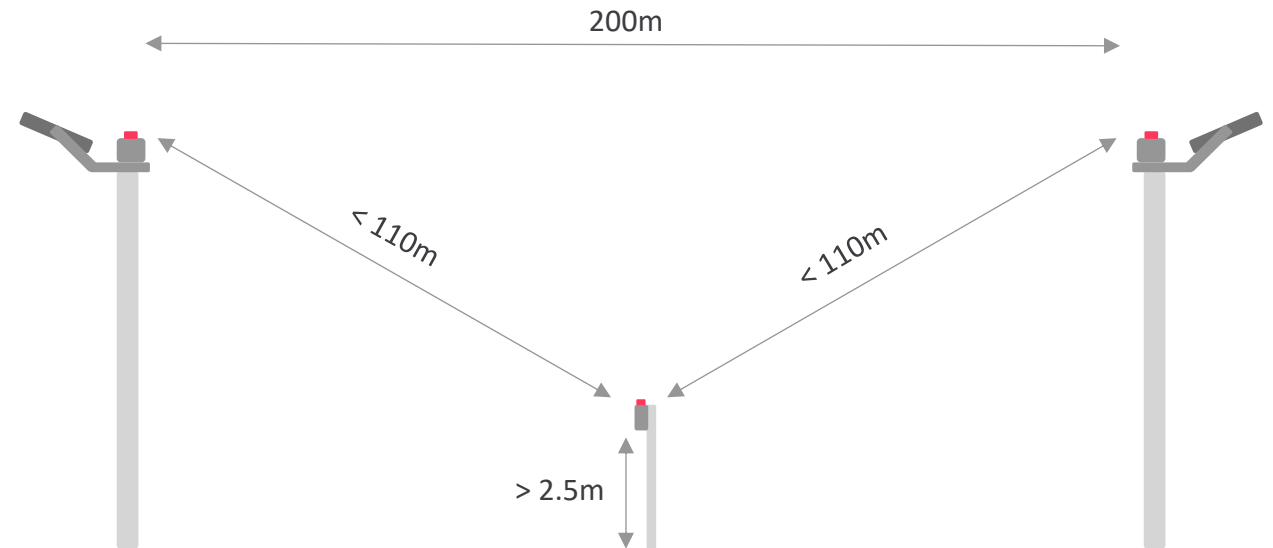
Driver at bottom of mast

Placement of repeaters

The control boxes / repeaters must be placed at a strategic location within the project.

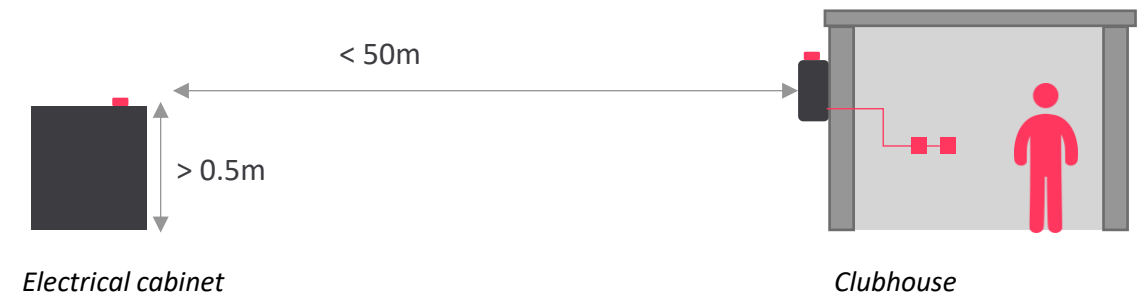
The segment controller must be:

1. Placed in the middle of the two locations the repeater needs to bridge
2. Line of sight to wireless nodes at both ends
3. At least 2.5 meters high
4. Placed such that wireless node can be placed horizontally level



Placement of the cabinet nodes

- Optional additional node to be installed at the cabinet to control mains power supply to luminaires via a 120-240V relay
- Needs to be in range on its own towards the segment controller (or via other cabinet nodes that are powered 24/7)
- > 0,5 m from the ground
- Facing horizontally
- Preferably out of reach or with anti-twist protection



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