

PHILIPS

MasterConnect

Design guide

Lighting possibilities with **Philips MasterConnect LEDlamps**

**REAL
PROs**
**REAL
QUALITY**

Philips MasterConnect LEDlamps.

Making every room be all it can be.

Nothing enhances the comfort and productivity of a room more than the right lighting. Philips MasterConnect LEDlamps offer all the **possibilities of connected lighting** you need to turn any room into a place people want to work and stay in.

Their proven wireless connected technology provides more comfort and convenience while helping maximize energy savings for more sustainability and savings in any project. Simply set up with an intuitive app (such as the Interact or Philips MasterConnect app), your lighting can be programmed to deliver automated occupancy and daylight detection, zone control, wireless dimming, and scenes.

This guide provides you with various inspirational tips and information on which MasterConnect LEDlamps and components are right for the great results and “wow” effect you and your customers want to see.

Take your lighting to the next level with Philips MasterConnect LEDlamps.

Applications

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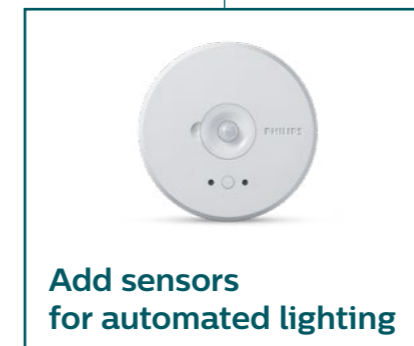


MasterConnect LEDtube

- Retrofit to T8 lamps on EM ballast or mains
- Safe and hassle-free installation
- 55% energy savings compared with fluorescent lamps
- Extra-long lifetime of 60,000 hrs
- Perfect for office, school, retail, healthcare, parking and warehouse

MasterConnect LEDspot

- Perfect fit design to retrofit halogen lamps
- 90% energy savings compared with halogen lamps
- Color spectrum that replicates halogen, CRI 90
- Lifetime of up to 25,000 hrs
- Perfect for hospitality, restaurant and retail



interact



Looking for more optimization and personalization of your light settings?

Designed for various applications, Philips MasterConnect LEDlamps can also be used with the Interact app. Optionally add a gateway to enjoy cloud-based benefits such as:

- ✓ Monitor lighting and energy with the Interact dashboard for further optimization
- ✓ Optimized and personalized light levels for your customer's daily business, supporting employees, tasks, safety and security

Learn more at interact-lighting.com/pro

References for all pages:

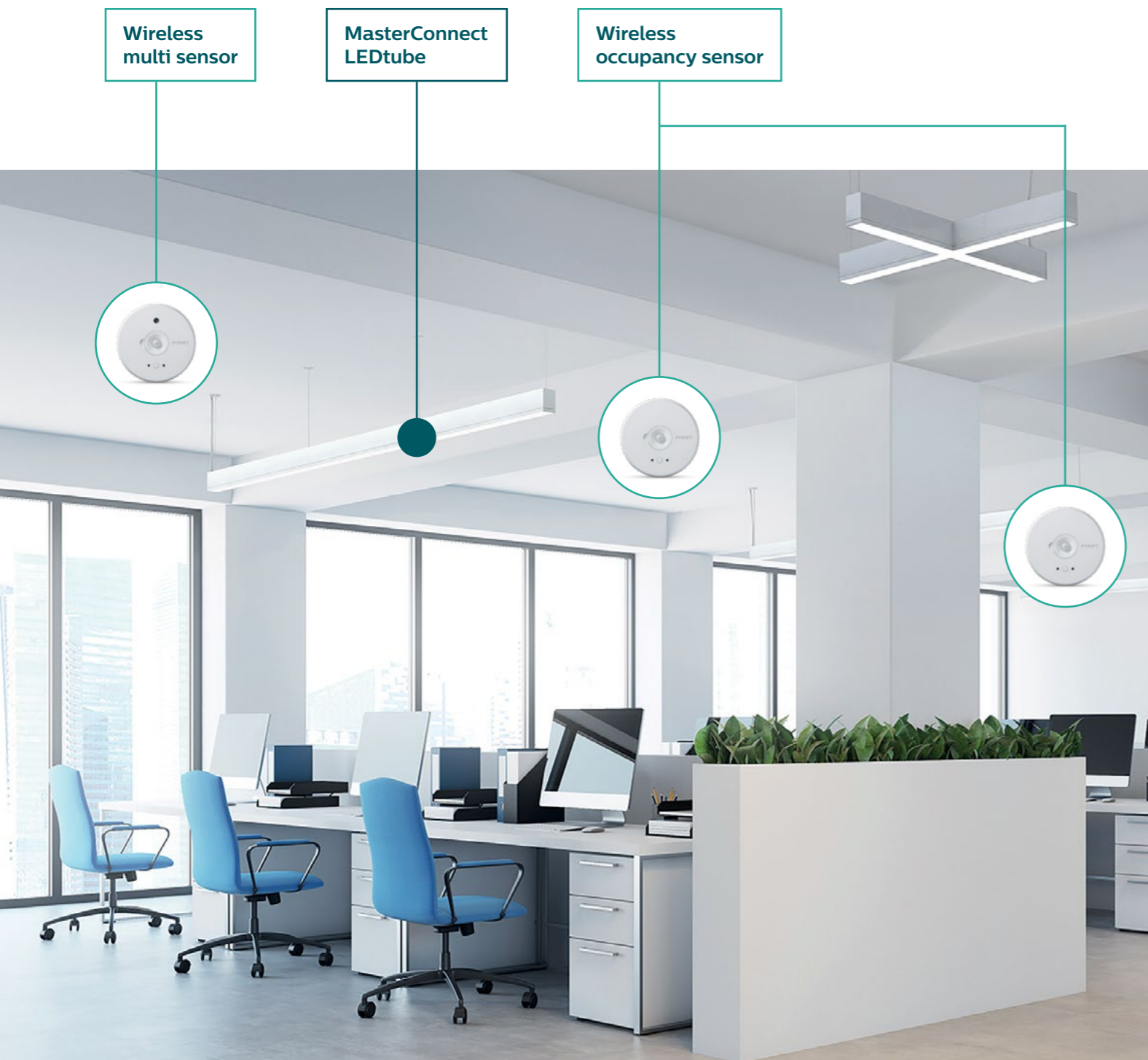
^[1] Availability of features depends on the app/system being used.

^[2] Energy saving calculated in typical use cases in comparison with non-controlled conventional installations. Data is based on published journals and internal study. Actual savings may vary.

Icon source lighting controls: SKIM (<https://skimgroup.com>)

Open plan office

Open plan office enhances collaboration while heightening employee motivation and productivity. With **MasterConnect** LEDlamps, you can organize spaces more effectively by grouping lights with sensors. Lights will automatically turn on to defined maximum light output in occupied areas for a bright and welcoming ambience, while daylight harvesting optimizes the illuminance on desks with a combination of artificial and natural light. When an area isn't occupied, lights dim or turn off to save energy. Thanks to the flexibility of a wireless solution, you can always effectively adapt to changing situations.



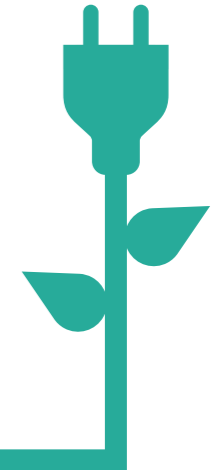
Recommended configuration^[1]:

- Lights are assigned into groups. While planning, it's important to consider separating different functional areas.
- Maximum light output is set at 80% (high end trim).
- Multiple occupancy sensors are linked with one group for optimized detection coverage.
- Lights turn on automatically when an occupant enters that area and is detected by any sensor in that group.
- Lights dim down to background level if there is no occupancy for 15 mins, and completely turn off after 10 mins.
- Daylight zones only include lights near the window. Lights in the daylight zones automatically adjust in accordance with daylight variation.

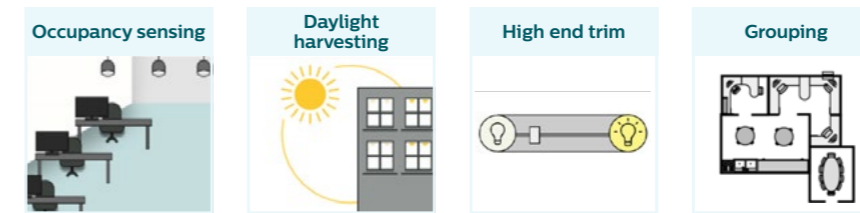
Energy saving^[2] up to

80%

vs. conventional installation



Recommended lighting controls:



Philips MasterConnect LEDlamps add value for everyone:

End consumer:

- ✓ **Automated light control** through sensors.

Installer:

- ✓ **Easy installation** through wireless components. (No cables)
- ✓ **Easy configuration** through app on standard smartphone. (No IT connections required)
- ✓ **Wide portfolio** (Smart LEDtube, LEDspot ...)

Building manager:

- ✓ **Energy saving** through LED and dimming
- ✓ **Easy maintenance** through app on standard smartphone
- ✓ **Upgradable** to cloud-based system

Meeting room

Meeting rooms host a variety of day-to-day activities: brainstorming sessions, presentations and conferences all in the same place. Lighting planning needs to be flexible enough to fulfill a variety of situational requirements. With wireless controlled **MasterConnect** LEDlamps, you can easily boost the lighting ambience in order to stimulate thinking or dim them for a presentation. The preferred settings can be pre-programmed into the switch and recalled by simply hitting the button. Use of sensor guarantees that lights are only on when needed to save energy.



Recommended configuration^[1]:

- Maximum light output is set at 80% (high end trim).
- Multiple occupancy sensors are used for optimized detection coverage.
- All lights turn on automatically when an occupant enters the room.
- Lights dim down to background level if there is no occupancy for 15 mins and completely turn off after 10 mins
- Daylight zones only include lights near the window. Lights in the daylight zones automatically adjust in accordance with daylight variation.
- Switches are programmed to provide ON/OFF/ DIM UP/DIM DOWN control and scene selection.
- Switch control will override automatic settings.

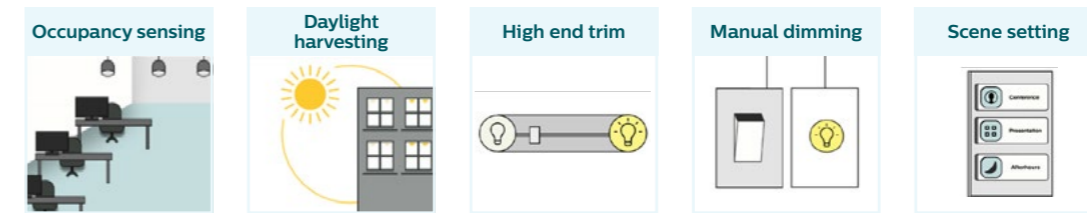
Energy saving^[2] up to

85%

vs. conventional installation



Recommended lighting controls:



Philips MasterConnect LEDlamps add value for everyone:

End consumer:

- ✓ **Automated light control** through sensors.
- ✓ **Personalized scene control** via programmable switches.

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Classroom

Creating learning environments where teachers and pupils can excel is the first step towards achieving better results. **MasterConnect** LEDlamps help to improve classroom comfort while stimulating and engaging pupils. Teachers can adjust lighting levels to suit diverse learning activities while lights can be adjusted to fit different classroom tasks and times of day. Increase lighting to inspire pupils and create a creative atmosphere or dim them for more relaxation or quiet time.



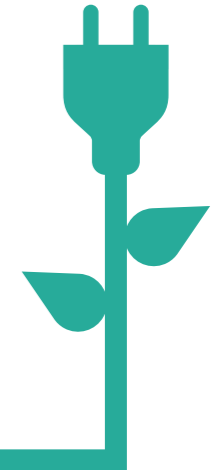
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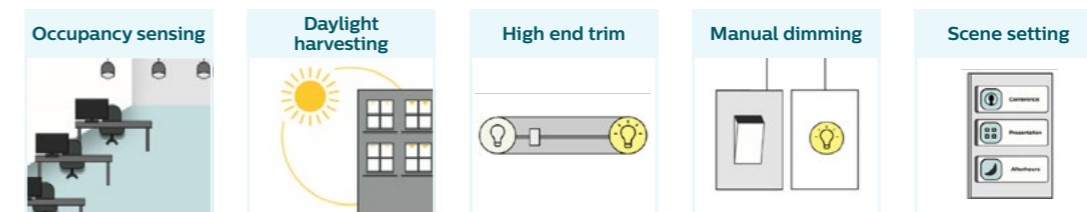
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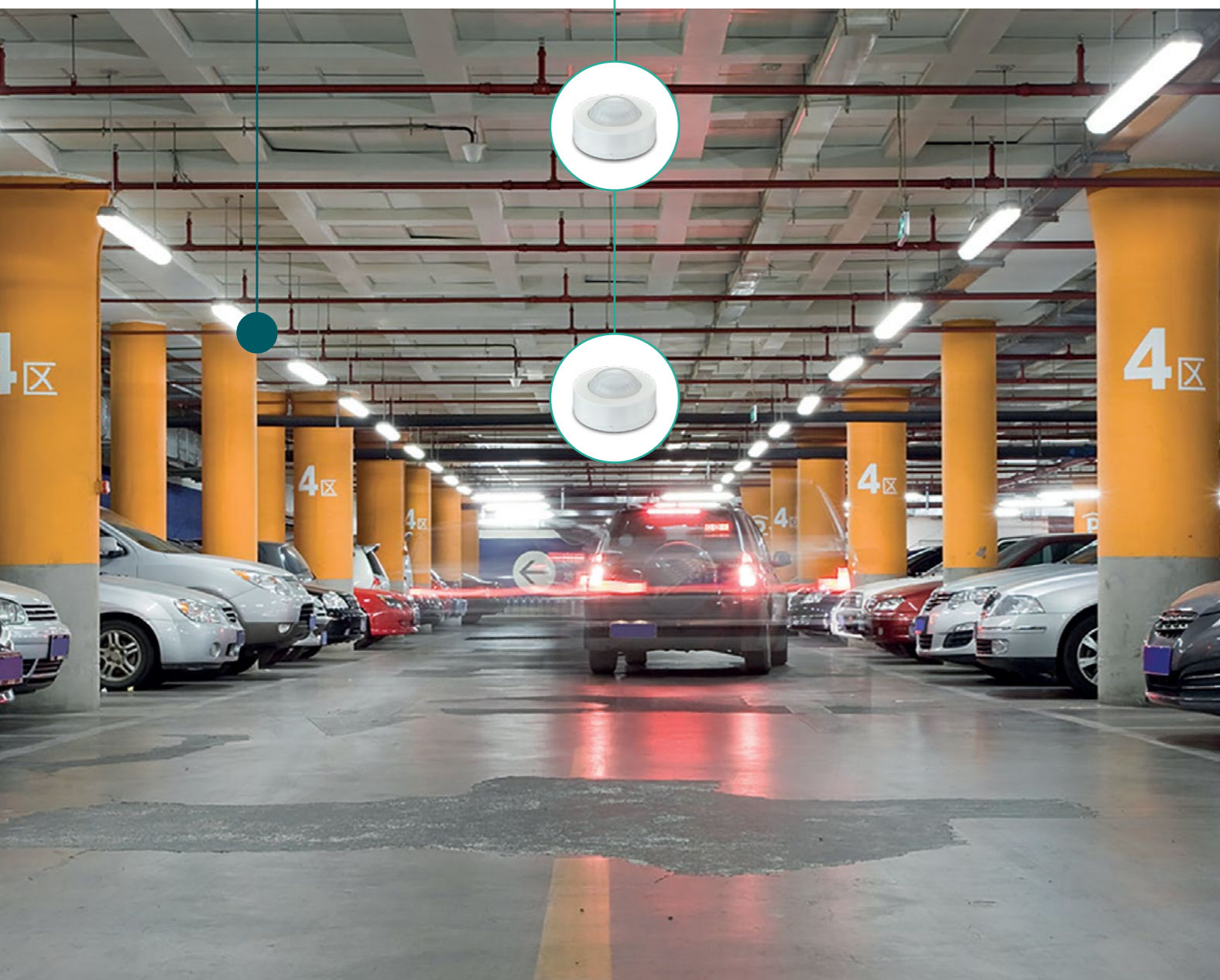
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Parking

Driver and pedestrian safety is a fundamental aspect for parking garages. Constant light is critical to ensure maximum safety. This said, 24/7 lighting comes with challenges for the facility such as high energy bills. That's why upgrading to **MasterConnect** LEDlamps is the right choice for greater efficiency that keeps operational costs down. Lights go to defined maximum light output only when a car or a person goes by. When nothing is there, they return to background level or turn off for optimal savings.

MasterConnect LEDtube

Wireless occupancy sensor (IP65)



Recommended configuration^[1]:

- Lights are assigned into groups. While planning, it's important to consider separating different functional areas.
- Maximum light output is set at 80% (high end trim).
- Multiple occupancy sensors are linked with one group for optimized detection coverage.
- Lights dim up automatically when a car or a pedestrian enters that area and is detected by any sensor in that group.
- Lights dim down to background level if there is no occupancy for 15 mins.

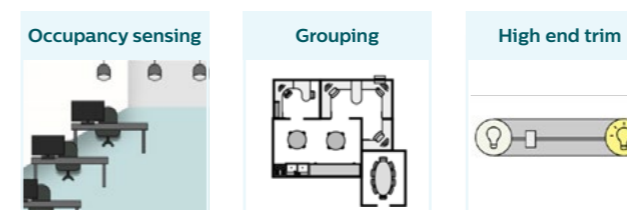
Energy saving^[2] up to

85%

vs. conventional installation



Recommended lighting controls:



Philips MasterConnect LEDlamps add value for everyone:

End consumer:

- ✓ **Automated light control** through sensors. (Including 'no presence background level')

Installer:

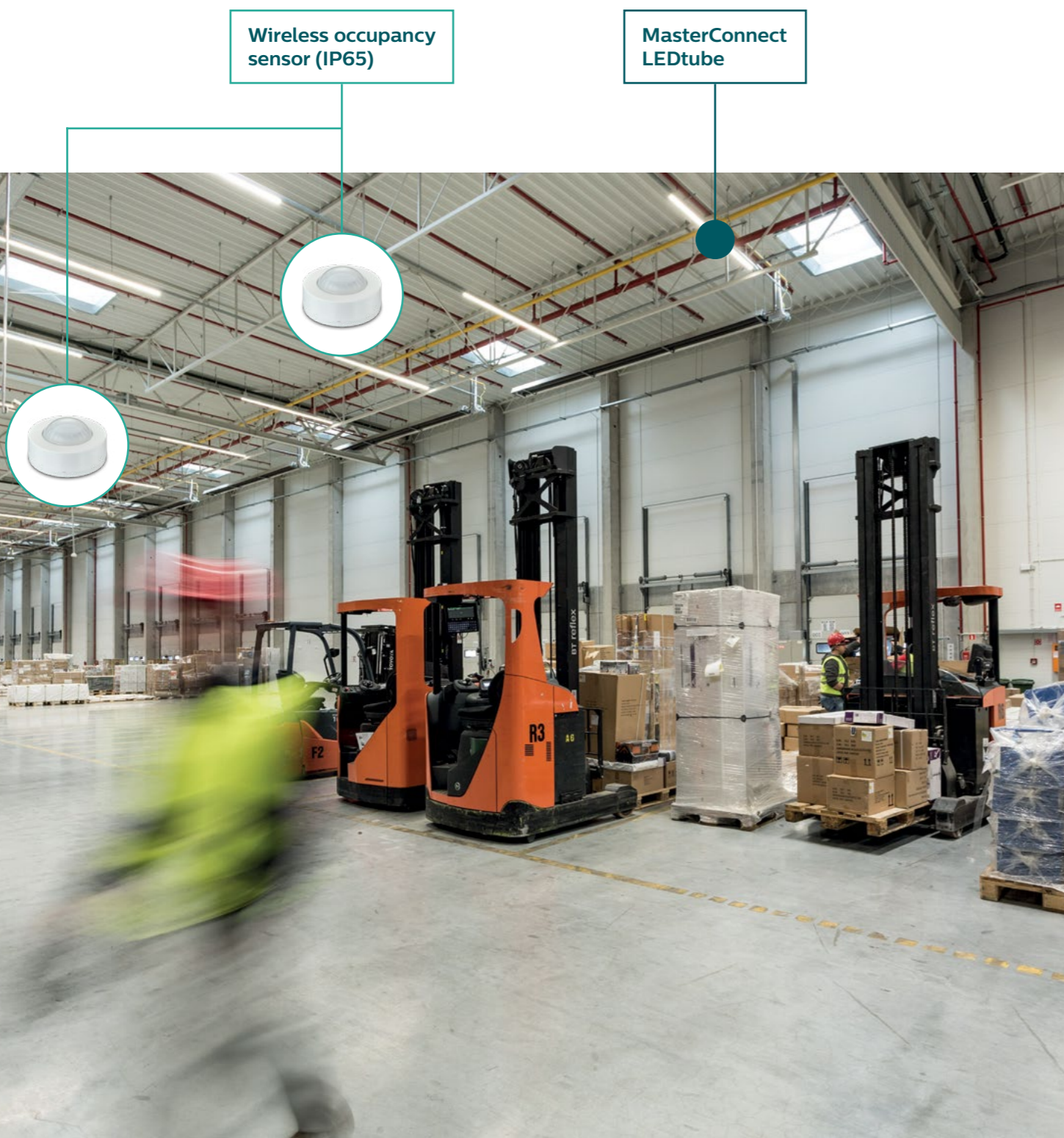
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Warehouse

With warehouses, the action never ends, which puts a lot of demands on non-stop lighting. **MasterConnect** LEDlamps are the ideal choice for creating a safe, optimally illuminated workplace and greater employee safety: all while keeping costs down. Smart lamps and accompanying sensors make sure that the lights go on to defined maximum light output to provide sufficient lighting in occupied areas. Lights stay dimmed at background level or off in empty areas to reduce costs.



Recommended configuration^[1]:

- Lights are assigned into groups. While planning, it's important to consider separating different functional areas.
- Maximum light output is set at 80% (high end trim).
- Multiple occupancy sensors are linked with one group for optimized detection coverage.
- Lights dim up automatically when an occupant enters that area and is detected by any sensor in that group.
- Lights dim down to background level if there is no occupancy for 15 mins.

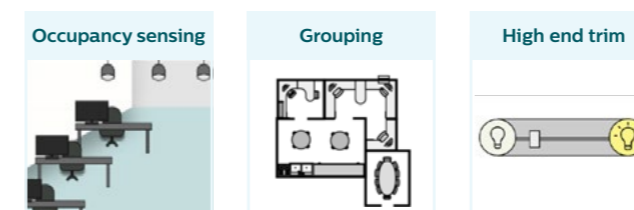
Energy saving^[2] up to

75%

vs. conventional installation



Recommended lighting controls:



Philips MasterConnect LEDlamps add value for everyone:

End consumer:

- ✓ **Automated light control** through sensors. (Including 'no presence background level')

Installer:

- ✓ **Easy installation** through wireless components. (No cables)
- ✓ **Easy configuration** through app on standard smartphone. (No IT connections required)
- ✓ **Wide portfolio** (Smart LEDtube, LEDspot ...)

Building manager:

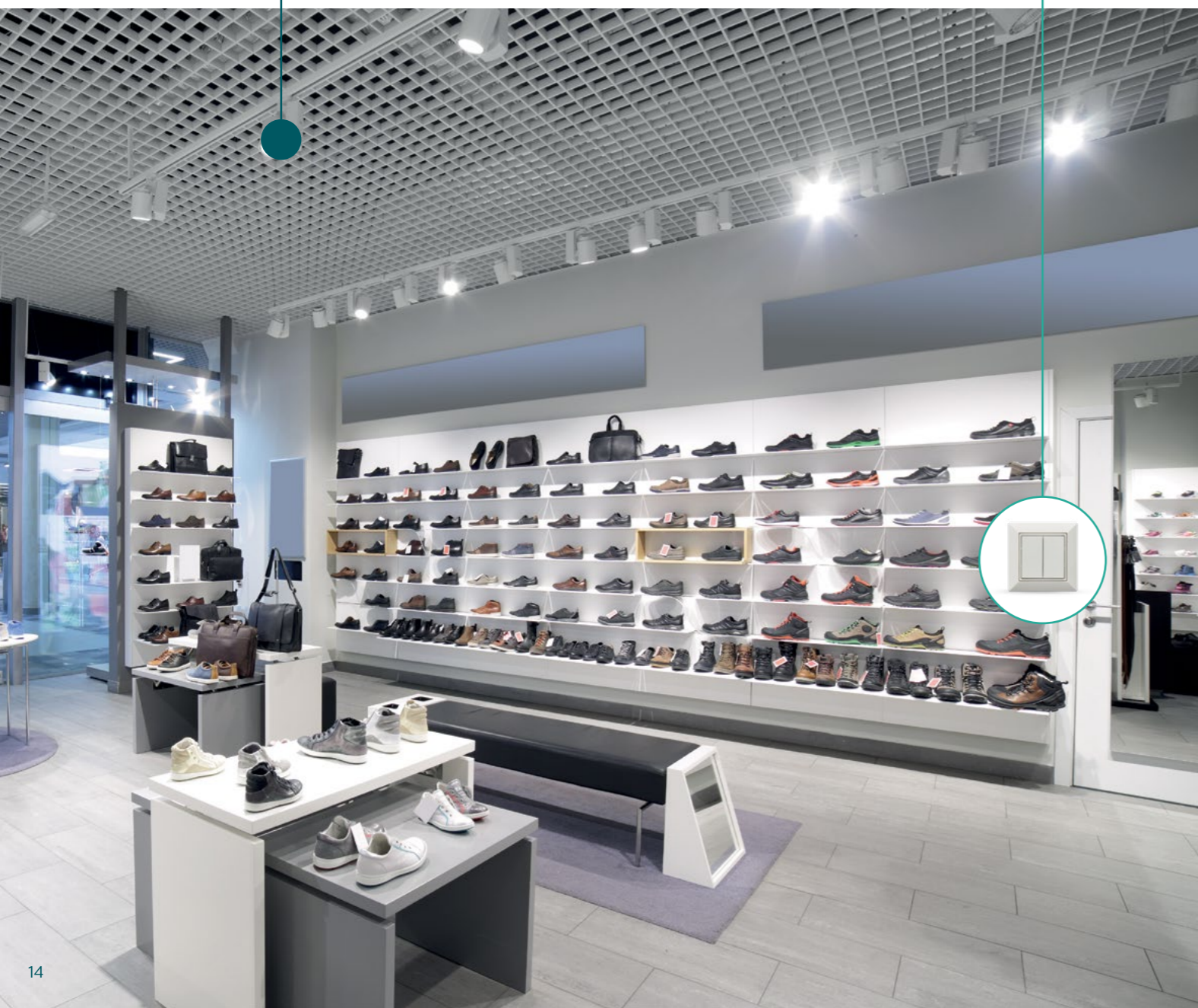
- ✓ **Energy saving** through LED and dimming
- ✓ **Easy maintenance** through app on standard smartphone.
- ✓ **Upgradable** to cloud-based system

Retail shops

Lighting plays an essential role in retail stores. It helps ideally present merchandise, encourages the purchase of goods and, most importantly, creates the right atmosphere for a pleasant customer experience. Optimize shelf lighting with **MasterConnect** LEDspots: boost or dim lighting for eye-catching merchandise presentation. Adjust the store ambience with just the touch of a switch and go from vibrant to relaxed lighting in seconds.

MasterConnect
LEDspot

Wireless
switch



Recommended configuration^[1]:

- Lights are assigned into groups. While planning, it's important to consider separating different functional areas.
- Switches are programmed to provide ON/OFF/ DIM UP/DIM DOWN control and scene selection.
- Switches can be programmed to control all lights or per group.

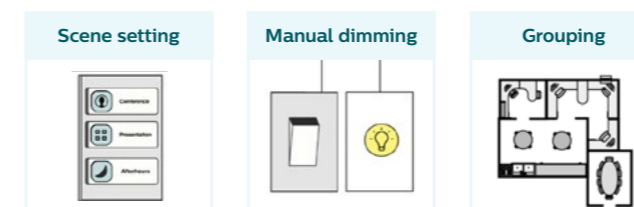
Energy saving^[2] up to

85%

vs. conventional installation



Recommended lighting controls:



Philips MasterConnect LEDlamps add value for everyone:

End consumer:

- ✓ **Manual control** via programmable switches.
- ✓ **Personalized scene control** via programmable switches.

Installer:

- ✓ **Easy installation** through wireless components. (No cables)
- ✓ **Easy configuration** through app on standard smartphone. (No IT connections required)
- ✓ **Wide portfolio** (Smart LEDtube, LEDspot ...)

Building manager:

- ✓ **Energy saving** through LED and dimming
- ✓ **Easy maintenance** through app on standard smartphone.
- ✓ **Upgradable** to cloud-based system

Restaurant/bar

The right lighting compliments and elevates the overall design of a restaurant. No matter if it's brunch, dinner or late-night, the right lighting control is the key to modulate the intended atmosphere throughout the day. **MasterConnect** LEDspots with the accompanying switches adjust for changes throughout the day and seasons for an optimal ambience and perfect dining experiences every time.

MasterConnect LEDspot

Wireless switch



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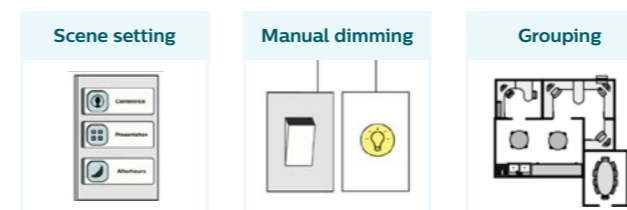
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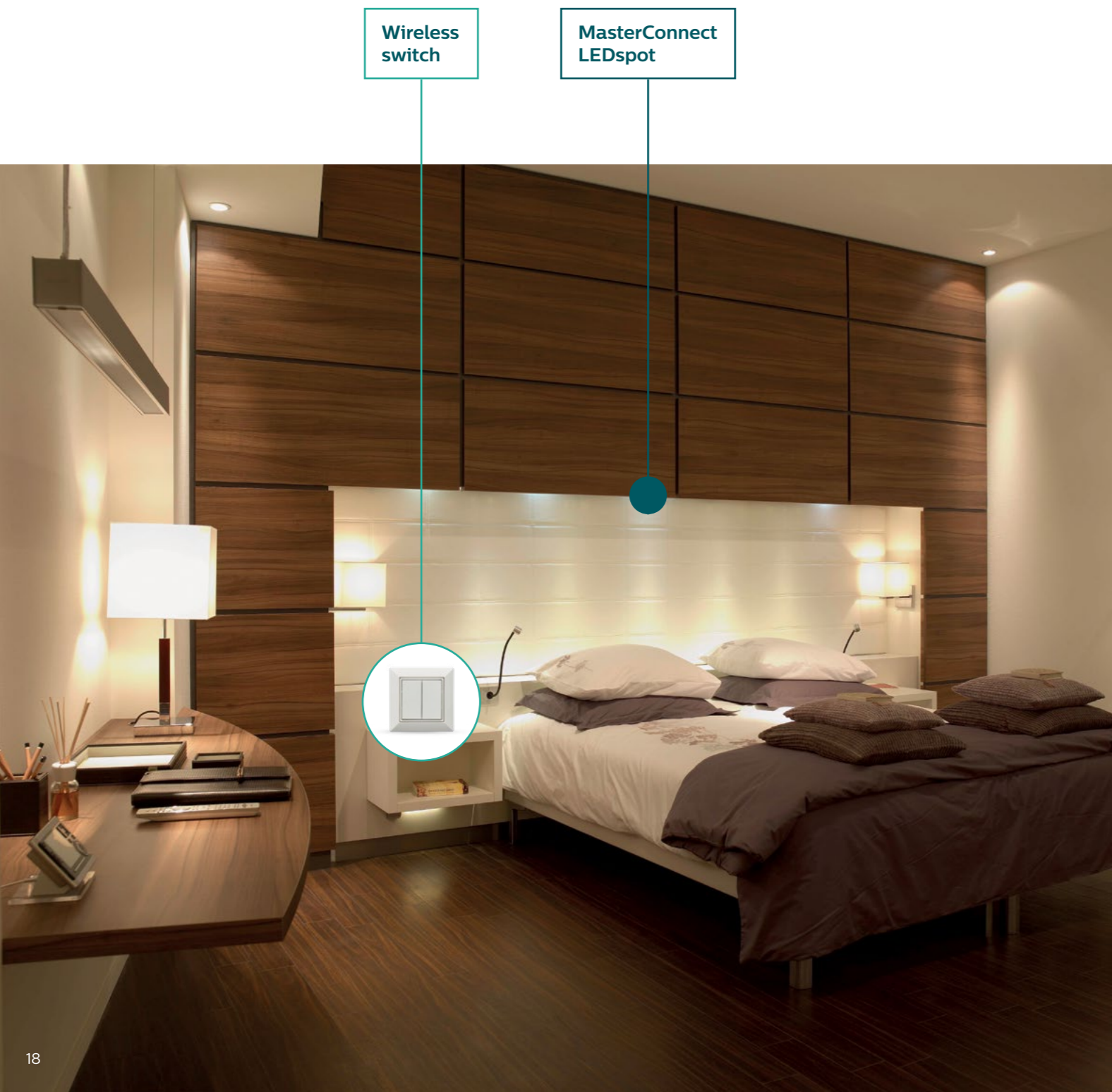
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- ✓ **Easy maintenance** through app on standard smartphone.
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Guestroom

A guestroom is a home away from home. With **MasterConnect** LEDspots, guestroom lighting is always welcoming and never boring. Guests are given the freedom to adjust the lighting in the room to suit their mood, work situation or relaxation preference. And that makes any stay even better.



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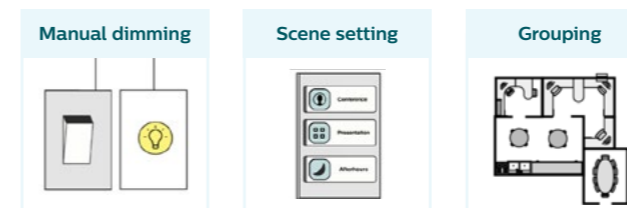
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