

Better, brighter, smarter  
Light for outdoor use





## Enlightening solutions

Whether for the private home or in a commercial functional building – Theben offers the optimum LED spotlights and motion detectors for any application. Simple to install, easy to operate. Each of these solutions contributes to saving energy and increasing comfort and safety. Here you can find them all.

# Light for outdoor use

## Overview

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# Something for everyone

## The perfect lighting solution for every application

Whether you are looking for a friendly welcome at the door to your home, garden path lighting for safety and security or large-scale illumination for a loading ramp, Theben is sure to have the perfect solution for you.

### Front doors and entrances



**theLeda D and theLeda P**..... p. 33

### Patios and garden paths



**theLuxa S**

**theLeda D**..... p. 35

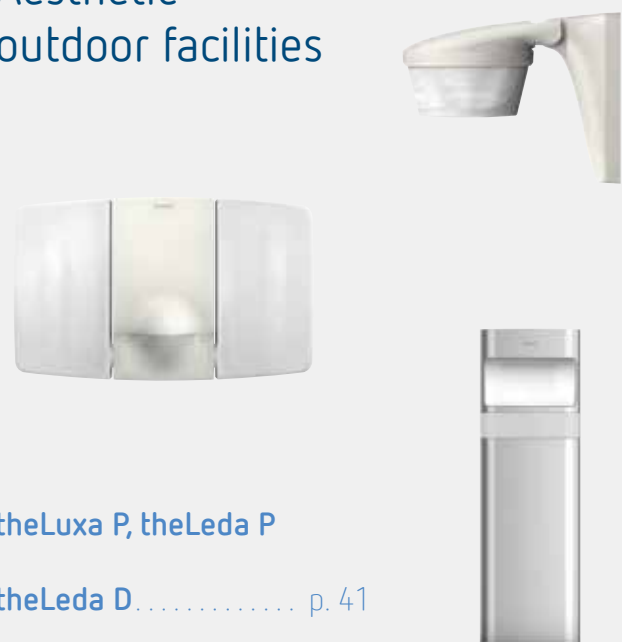
### Underground car parks Multistorey car parks



**theLuxa S360, theLuxa R**

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### Aesthetic outdoor facilities



**theLuxa P, theLeda P**

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**Award-winning!**  
Theben products have already received several awards.

## Basement stairs and entrances



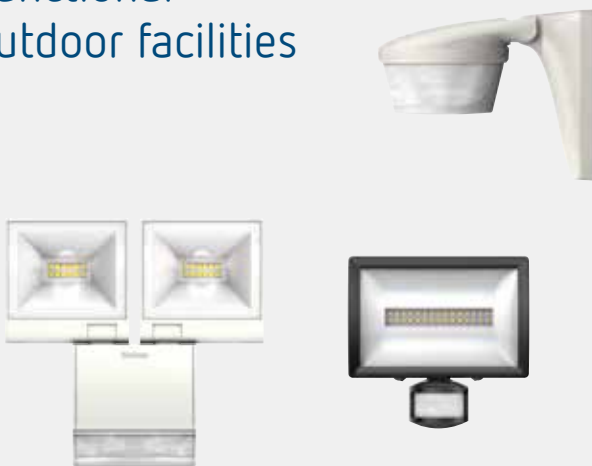
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## Carports and garages



theLeda S and theLuxa S..... p. 37

## Functional outdoor facilities



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## Agricultural facilities and ports



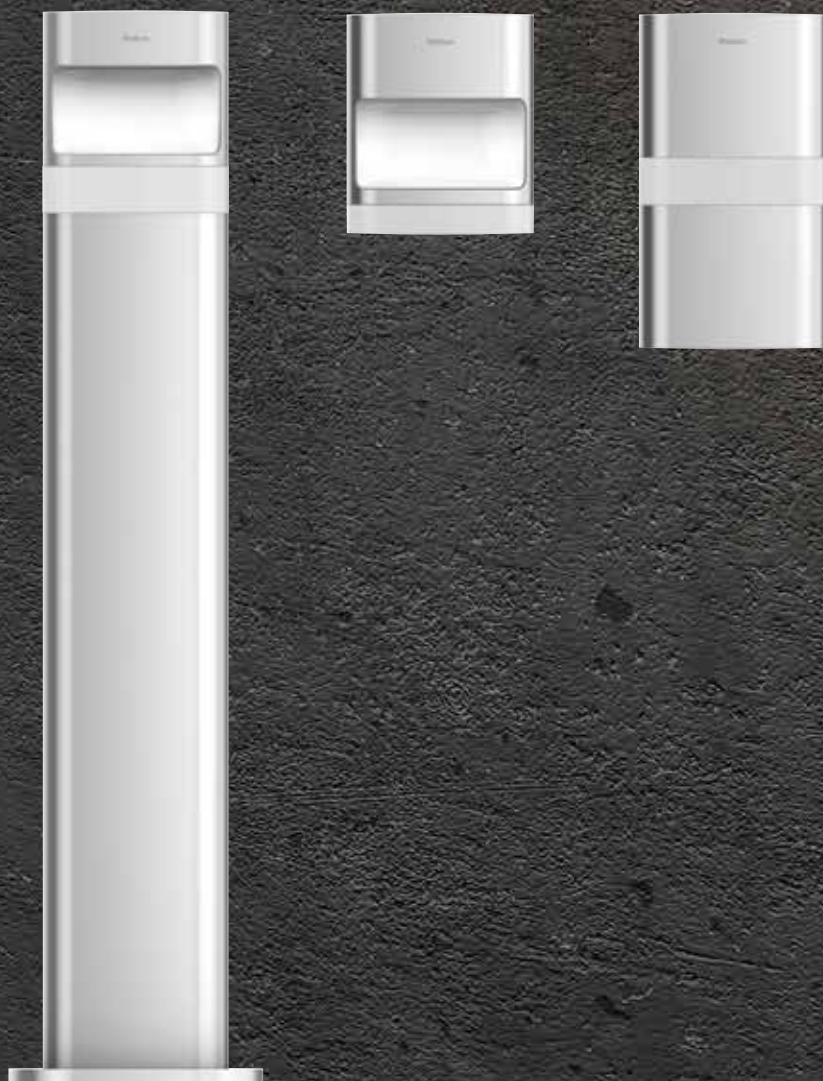
theLeda EC..... p. 55

# Uniform yet diverse theLeda D LED light

Whether you are looking for indirect lighting for your house facade or impressive illumination for your garden, front door or patio, you need look no further than theLeda D. With their matt anodised aluminium housing and pleasant warm white light, these LED lights look stunning wherever they are used.

The theLeda D line offers you plenty of flexibility. You can choose between direct lighting with LED spotlights, indirect lighting with uplighters and downlighters and two bollard lights in different lengths. There is also the option of a practical socket on the rear. And the best part is that no matter which model you opt for, you are always guaranteed a uniform look for your home.

Further information and technical data on page 46 onwards.





# Intelligent lighting in its most beautiful form theLeda P LED spotlight

Beauty and brains: theLeda P. The premium LED spotlight from Theben offers a wide range of functions, including many designed for comfort. This makes it a true all-rounder on every wall.

theLeda P is available with one or two light panels, in white and aluminium, with or without a motion detector. But whichever version you choose, theLeda P will be sure to captivate you – with its pleasant, welcoming light and, of course, its unique aura which provides an atmospheric backlit effect around the spotlight.

Further information and technical data on page 50 onwards.





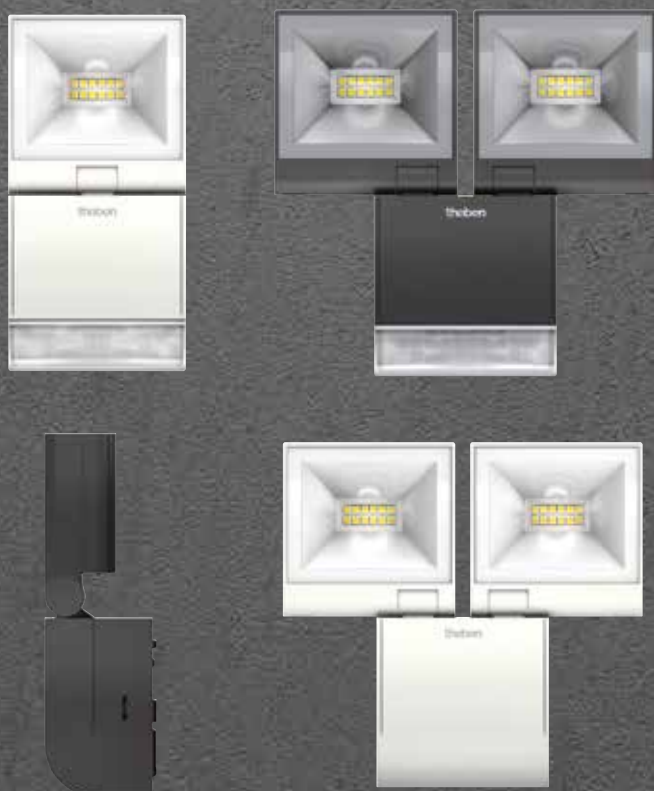


# Brighter, warmer, more illuminating the Leda S LED spotlight

They turn night into day and reliably illuminate carports, gateways, terraces and paths at every turn: the Leda S LED spotlights with integrated motion detector.

The successful spotlight series is available in 4,000 K (daylight white) or also with comfortable warm white LEDs. The colour temperature of about 3,000 Kelvin is warmer, which many people find more pleasant. With regard to energy-saving, the Leda S spotlights are ahead of the pack: with just 0.4 W of standby power consumption, the detector works extremely efficiently.

Further information and technical data on page 52 onwards.





# One tough cookie theLeda EC LED spotlight

The sturdy design of theLeda EC LED spotlights guarantees reliable operation in even the harshest of environmental conditions, including on the coast and in agricultural settings.

Polycarbonate housing, stainless-steel mounting brackets and screws, aluminium cooling elements that are resistant to sea water, fully coated electronics and protection class IP 55.

Further information and technical data on page 54 onwards.





## The modular system theLeda B LED spotlight

Looking for a high-quality and high-performance LED spotlight? Or perhaps an LED spotlight in conjunction with a motion sensor? Alternatively, you can use a light sensor to control lighting based on when it goes dark at night.

The modular design leaves you free to configure your own theLeda B LED spotlight to suit your specific requirements. Whatever you want, the modular system for theLeda B makes it possible. Easy to install. Even easier to adjust to your needs! The incredibly flat LED spotlight with driverless, high-power LED technology is available as a single unit or combined with a motion or light sensor.

Further information and technical data on page 55 onwards.

3 levels of brightness  
2 colours  
1 light sensor  
1 motion sensor

**COUNTLESS  
POSSIBILITIES!**



LED spotlight



Switch



LED spotlight



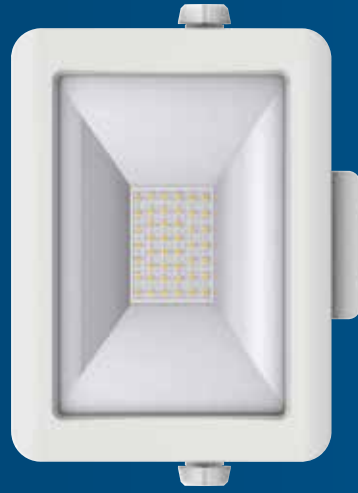
LED spotlight



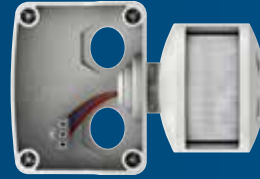
Light sensor



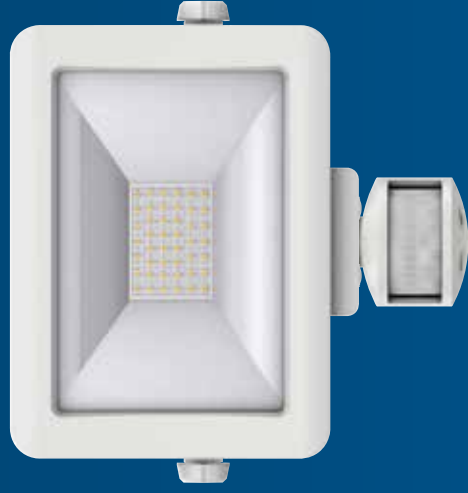
LED spotlight with light sensor



LED spotlight



Motion sensor



LED spotlight with motion sensor

# A clear line theLuxa R, S and P motion detectors

Most people wouldn't even notice them. Or only at the point when the light comes on, a feeling of safety abounds and everyone can see the way: theLuxa motion detectors from Theben.

They contribute decisively to saving energy as well as increasing comfort and safety. The light is automatically switched on when needed, and only then. theLuxa always shows its best side – whether in white (WH) or in black (BK). Whatever wall it is on. And thanks to its swivel joint in some versions, even on the ceiling.

theLuxa is available in the standard versions R180, S150/S180 and S360, or as a performance version with floating contacts for simple, time-saving and thus inexpensive integration into KNX building system technology. Further information and technical data on page 56 onwards.









Welcome  
home



theLeda D DU AL (1020904), theLeda D SU AL (1020902)



# Safe and bright illumination

**Motion detectors and LED lights from Theben keep you out of the dark. Nothing gets past them, so you can rely on the lights to be switched on as required to show you the way safely through the darkness.**

The premium housing contains intelligent technology with a wide range of functions. High-quality sensors ensure reliable continuous detection down to every last angle. This means that motion detectors and LED lights also have an effect on uninvited guests. After all, which burglar wants to be put under the spotlight?

## Functions and advantages during use

---



### Safe creep under protection

The practical creep under protection also monitors areas directly under and even slightly behind it. This means that the light comes on when it is needed – and not when you have already stumbled about.



### Feature formation: indirect lighting

Stunning facade lighting can bring a special aura to any building. LED spotlights and lights from Theben offer plenty of scope for highlighting house numbers and facades in a way that is sure to impress.



### Safety lighting: orientation light

The orientation light delivers a defined basic brightness to provide dimmed lighting along pathways and entrances, as twilight falls. When the detector registers movement, the LED spotlight will light up at 100% before returning to the dimmed brightness setting, after the preset time delay has elapsed.



### One for all: group functions

When it comes to spacious gardens and outdoor facilities, it can be a good idea for lights to come on in advance. The group function makes it possible to connect theLeda D LED lights up to a wireless network to form a group.



### Shelter from the rain: high protection class

Theben motion detectors and LED lights boast protection class IP 55\*. This is not only safe, but also practical, as it allows them to be installed anywhere outdoors, regardless of how protected from the weather the installation location is.

\* Refer to the technical data on page 49 onwards for exceptions

# Convenient and safe Advantages

They turn night into day and reliably illuminate gateways, patios and paths at every turn: motion detectors and LED spotlights from Theben.



## Easy-to-use remote control

With the Senda remote control, settings can be easily made and changed from the ground. This is faster, shortens the installation time and lowers costs. And it is safer.



## Clever teach-in function

For the light of your choice, you do not need specialist knowledge – a quick hand is all it takes. With the teach-in function, the current lux value is saved quicker than the lighting conditions change.



## Safe creep under protection

The practical creep under protection also monitors areas directly under and even slightly behind it. This means that the light comes on when it is needed – and not when you have already stumbled about.



## Simple area restriction

The detection area can be individually restricted with practical cover clips/stickers. This means you can reduce unwanted activation of the detector due to movements next door or on the pavement, for example.



## Practical test function

The test function helps you to establish, set and optimise the detection area directly after installation. Even in daylight and sunshine.



## Simple setting

Underneath the front cover plate, well-protected from all weather conditions, you can find the potentiometer, which you can set directly on the detector using a screwdriver or via remote control.



## Sustainably energy-efficient

Motion detectors ensure that the light is not switched on for longer than truly needed. When switched on, our LED spotlights feature minimum energy consumption and an extremely long service life.



## Optimised for LED lights

Motion detectors from Theben switch LED lamps safely and reliably, like hardly any other motion detector on the market! Thanks to the redesigned zero-cross switching, you can keep the high inrush currents of LEDs firmly under control.



theLuxa S180 WH (10.10500)

## Switch on. View. Set. Mounting and installation videos

### Corner installation

This is how you install your motion detector on a corner of a house and cover two facades with only one device.



### Time delay

How long should the light remain switched on if no motion is detected anymore? This is how you set the time delay.



### Pulse function

This allows you to install motion detectors into existing electrical installations, in order to switch the staircase light, for instance.



[www.youtube.com/TheThebenAG](http://www.youtube.com/TheThebenAG)



You can find all videos on our YouTube channel.



# Clever. Safe. Comfortable.

## Remote controls



### For installers: theSenda P service remote control

#### Pulse function

Simple integration into existing electrical installations with staircase light timer switches or KNX binary inputs.

#### Switching or dimming

The lighting can of course also be switched on and off via remote control. Smooth dimming is possible via the button in two channels.

#### Sensitivity

Adjustable sensitivity: reduce or increase – depending on the application.

#### Brightness value

Can be set between 5 and 800 lux. Teach-in possible.

### For users: theSenda S user remote control

#### Switching or dimming

The lighting can of course also be switched on and off via remote control. Smooth dimming is possible via the button in two channels.

#### Calling up scenes

You want to give a presentation. You call up the programmed scene by pushing the icon.

#### Presence simulation

During longer periods of absence, such as holidays or plant closures, all you need to do is switch to "Presence simulation".

#### Twilight switch

From a defined lux value, the detector switches to continuous light.





## For all: theSenda B remote control and theSenda Plug app

theSenda Plug is the new, user-friendly app for easy programming of many indoor and outdoor detectors.

Parameters are sent by Bluetooth to theSenda B remote control and from there transmitted by infrared to the detector.

This makes it possible to quickly, easily and safely operate most Theben presence and motion detectors and to set the parameters on them.

### Download theSenda Plug app free of charge



#### Built-in luxmeter

Easy to calibrate the brightness measurement using theSenda Plug app.

#### Universal application

Remote control for numerous indoor and outdoor detectors from Theben/ThebenHTS.

#### Communication via Bluetooth and infrared

Programs are sent from a smartphone to the remote control by Bluetooth and theSenda B then transmits commands automatically to your detector via infrared.

#### **F++** Wide range of functions

Switching and dimming for three lighting channels, two scenes, customised button allocation.

# Always the right amount of light

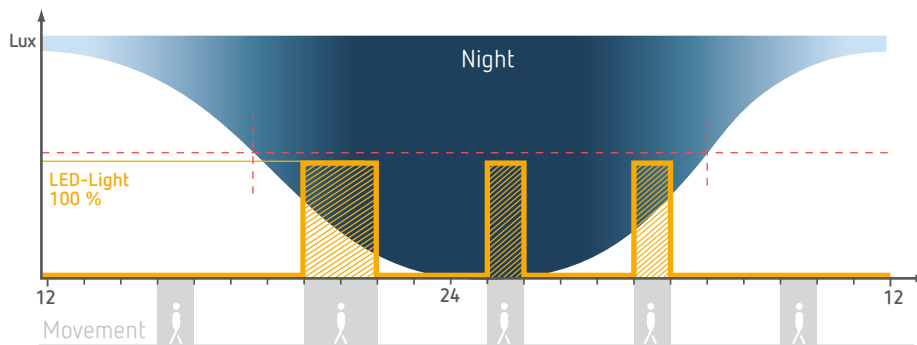
## The many functions of theLeda D

Sometimes we need light, sometimes we don't. Sometimes we need bright light, sometimes we need dimmed light. Sometimes we need light for a long time, sometimes we need light for a short time. The requirements to be met by light are as wide and varied as the people who use it. It's down to you – numerous settings are possible in combination with theSenda B and the theSenda Plug app.



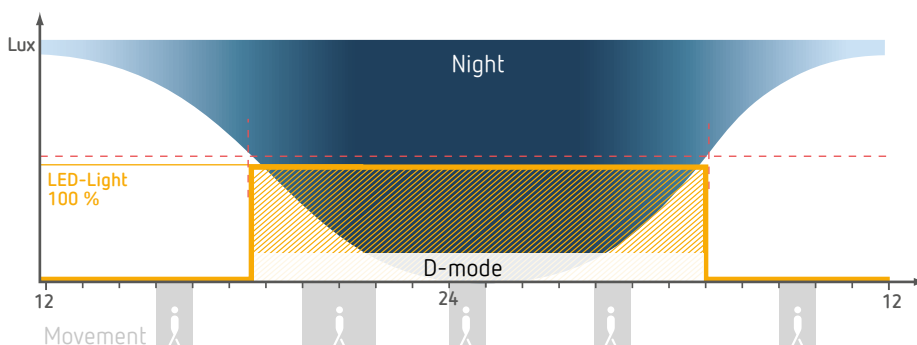
### Motion function

With the motion function, the light comes on exactly when it is needed and switches off again automatically after the selected time delay has expired. The motion detection functions both with and without the brightness measurement. In other words, theLeda even lights up during the day in this case. This is useful in places with fundamentally difficult light conditions, such as basement entrances, multistorey car parks and backyards.



### Dimming function

When the sun goes down, theLeda springs into life. The dimming function of our LED light ensures that the light goes on as soon as the brightness falls below a certain value – regardless of whether theLeda has registered a movement or not.

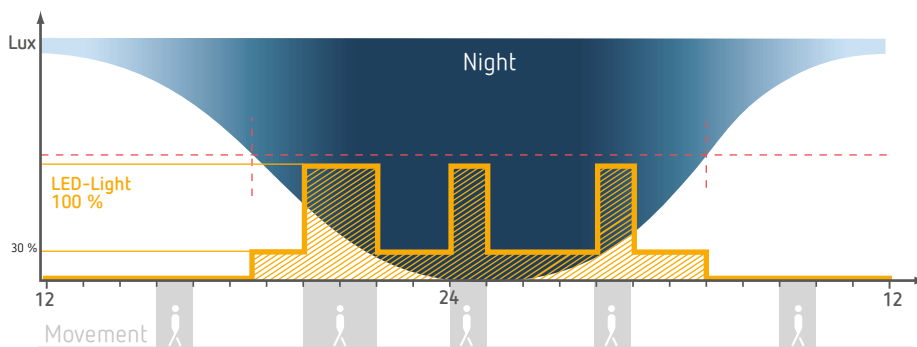


**Dream team!**  
 With the Senda Plug app (free of charge) and the Senda B remote control, the Leda D LED light settings can be adjusted in no time.



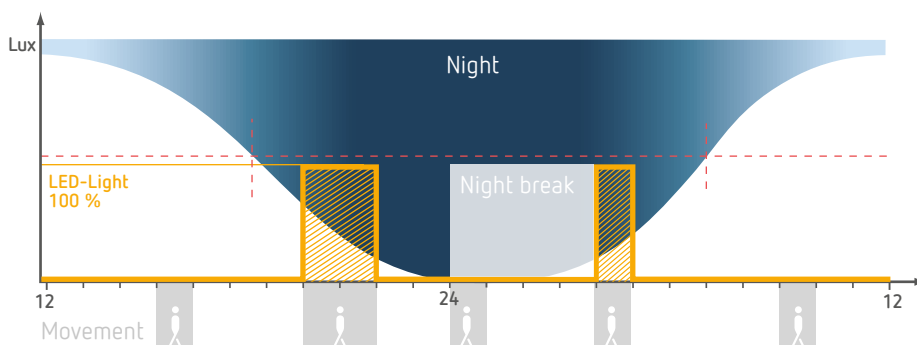
### Orientation light

The orientation light in the Leda delivers a defined basic brightness of between 10% and 40% of full power to provide dimmed lighting along pathways and access routes as well as through entrances once night starts to fall. If the Leda registers movement, the LED light will light up at full power (100%) before returning to the dimmed brightness setting once the preset time delay has elapsed.



### Self-learning night switch-off















The self-learning night switch-off adjusts to changing sunset times, switching off for several hours in the second half of the night. theLeda functions intelligently to compensate for the difference in sunset times between summer and winter automatically.








# All functions at a glance

## LED spotlights and motion detectors

### LED spotlights

Functions	theLeda D	theLeda D L (without detector)	theLeda P	theLeda P L (without detector)	theLeda S	theLeda S L (without detector)	theLeda EC	theLeda B
 Orientation light	●		●		●			
 Clever teach-in function	●		●		●			
 Practical test function	●		●		●		●	
 Easy-to-use remote control	theSenda B theSenda P theSenda S		theSenda P theSenda S					
 Master/Master Master/Slave	Wireless	Wireless	Wired	Wired			Wired	Wired
 Manual switching	●	●	●	●	●	●	●	●
 Rotating and swivelling LED panels			●	●	●	●	●	●
 Energy-efficient	●	●	●	●	●	●	●	●
 Swivelling sensor head							●	With motion sensor
 Safe creep under protection			●		●			
 Simple area restriction	●		●		●		●	With motion sensor
 High protection rating	IP 55	IP 55	IP 55	IP 55	IP 55	IP 55	IP 55	IP 65 (with IP 55 accessories)
 Spacious socket	●	●	●	●	●	●		
 Simple setting	●	●	●		●		●	Using accessories

## Motion detectors

Functions	theLuxa R 180	theLuxa S 150/180	theLuxa S 360	theLuxa P 220/300	theLuxa P 300 KNX
 <b>Master/Master Master/Slave</b>	180°, 12 m	150°, 12 m 180°, 12 m	360°, 16 m	220°, 16 m 300°, 16 m	300°, 16 m
 <b>Clever teach-in function</b>		●	●	●	●
 <b>Practical test function</b>	●	●	●	●	●
 <b>Easy-to-use remote control</b>				theSenda P theSenda S	theSenda P theSenda S
 <b>Optimised for LEDs</b>	●	●	●	●	●
 <b>Manual switching</b>	●	●	●	●	●
 <b>Wall mounting/ ceiling installation</b>	Wall mounting	Wall mounting	Wall mounting/ceiling installation	Wall mounting/ceiling installation	Wall mounting/ceiling installation
 <b>Energy- efficient</b>	●	●	●	●	●
 <b>Swivelling sensor head</b>		●	●	●	●
 <b>Safe creep under protection</b>			●	●	●
 <b>Simple area restriction</b>	●	●	●	●	●
 <b>High protection rating</b>	IP 55	IP 55	IP 55	IP 55	IP 55
 <b>Spacious socket</b>	●	●	●	●	●
 <b>Simple setting</b>	●	●	●	●	●





# Applications

Front doors  
Patios 32

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Gateway  
Patios 34

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Carport 36

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Basement stairs 36

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Underground  
car park 38

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Hotel complex 40

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Car park 42

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Factory premises 42

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# Solutions for front doors and patios

## Terraced house

The light at the front door should automatically be switched on as soon as someone leaves the house or enters the property. The lighting of the adjoining properties should not be affected by this. The accent lighting can be used to illuminate house numbers on the facade with ease.

If there is no exterior light, we recommend theLeda D UD/L AL:

- ➔ Bright design LED light with integrated motion detector
- ➔ High-quality housing made from anodised extruded aluminium profiles
- ➔ Orientation light
- ➔ Wireless connectivity
- ➔ theLeda D technical data: page 46

Alternative:

For motion-dependent control, we recommend theLeda P12:

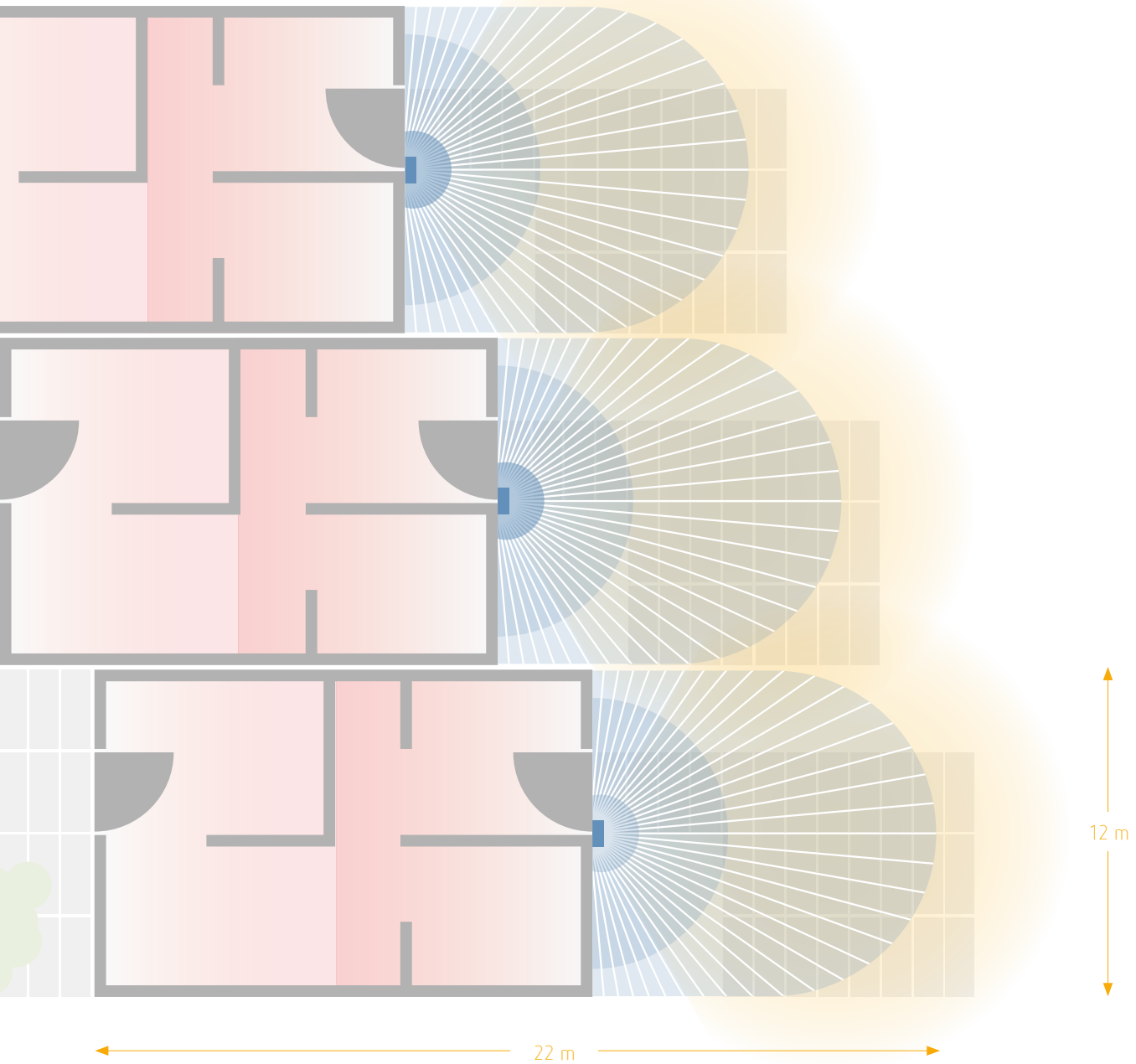
- ➔ Bright design LED spotlight with integrated motion detector
- ➔ Orientation light
- ➔ Linkable
- ➔ theLeda P technical data: page 50

theSenda B remote control and theSenda Plug app:

With theSenda B, installers can adjust virtually all functions of the new presence detector and theLeda D LED light from Theben with only one remote control. Fast, secure, from the ground. Further information on page 25.



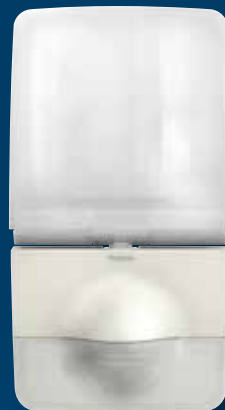




theLeda D UD/L AL



theLeda P12



# Solutions for gateways and patios

## Single-family house

Lighting for the front door, patio, paths and gateway of a single-family house should be motion-dependent.

We recommend theLeda D B plus S AL for motion-dependent control without an existing exterior lamp:

- ➔ Bright design LED bollard light with integrated motion detector and socket on the rear of the housing
- ➔ Light emission at front (spotlight)
- ➔ Orientation light
- ➔ Wireless connectivity
- ➔ theLeda D technical data: page 46

Alternative:

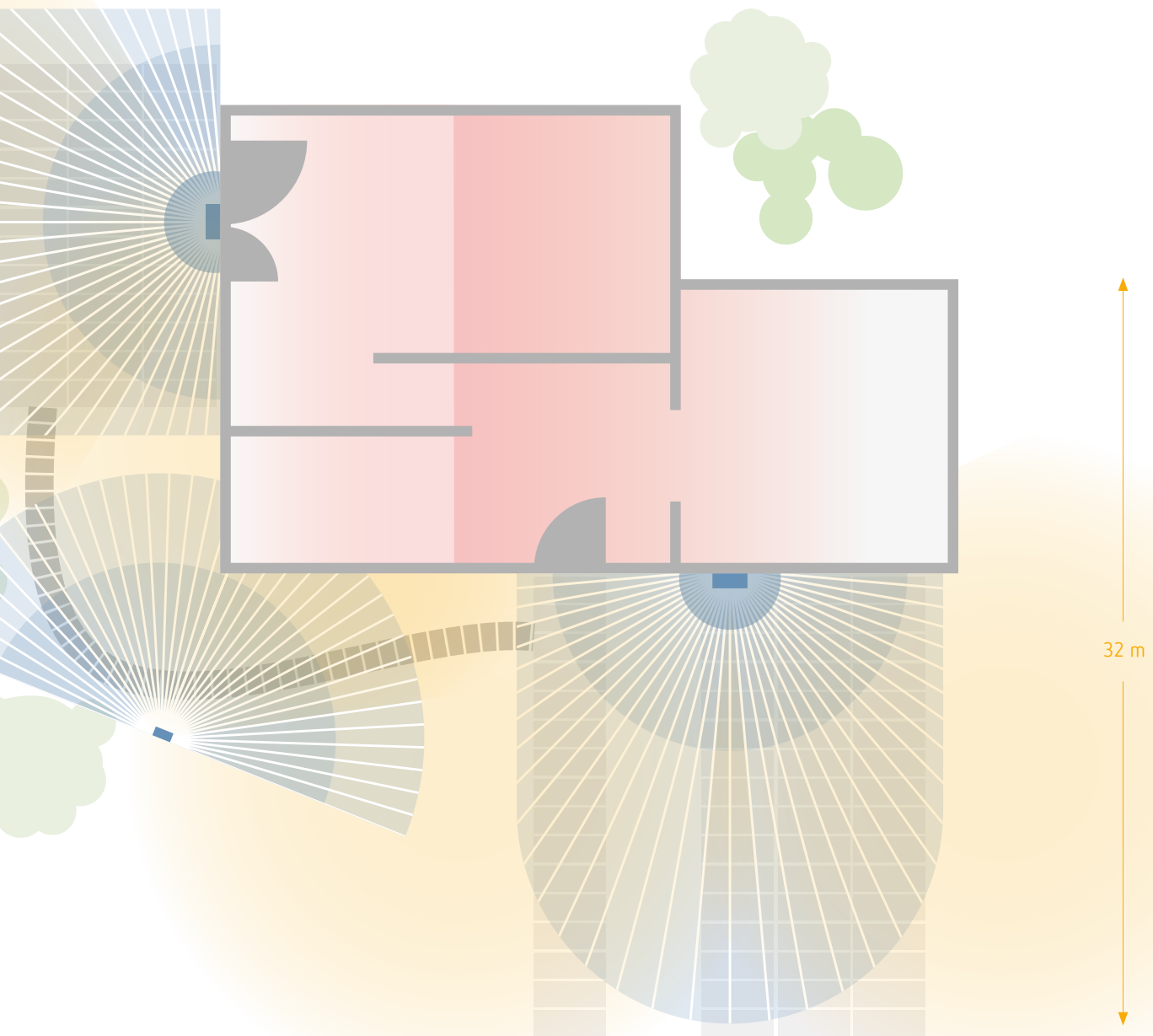
If an exterior lamp is available, we recommend theLuxa S360, which can cover two facades at the same time:

- ➔ Corner and/or ceiling installation possible
- ➔ Creep under protection
- ➔ Time delay and lux value can easily be set
- ➔ theLuxa technical data: page 56

theSenda B remote control and theSenda Plug app:

With theSenda B, installers can adjust virtually all functions of the new presence detector and theLeda D LED light from Theben with only one remote control. Fast, secure, from the ground. Further information on page 25.





theLeda D UD/L AL



Socket on the rear

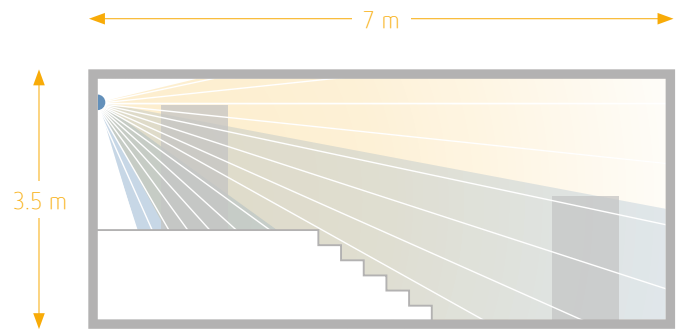
theLuxa S360



Practical corner installation possible

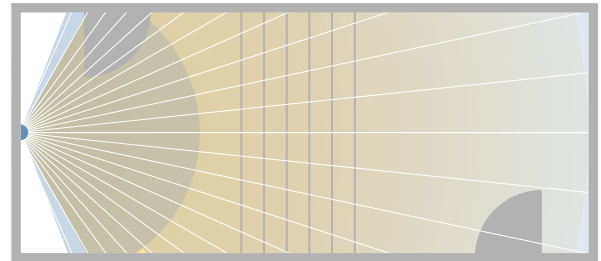
# Private home use

## Basement stairs, carports and entrances



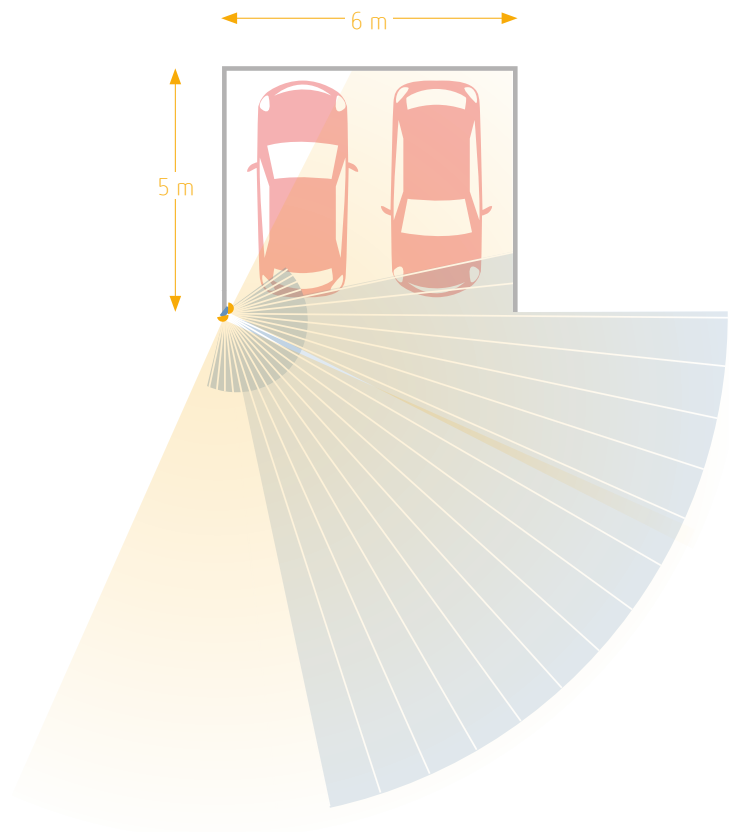
## Basement stairs

Dark basement stairs without windows and daylight need to be illuminated safely.



## Gateway with carport

Motion-dependent lighting of a gateway with carport is required. The light should illuminate the gateway as well as the carport in order to ensure safe entering and exiting of the car.



### theLeda S10

### theLuxe R180

We recommend theLeda S10 WH:

- High-performance LED spotlight illuminates the basement stairs as brightly as daylight
- Detection area with creep under protection reliably detects all movements
- Time delay and lux values easily adjustable at the device
- theLeda S10 technical data: page 52



Alternative:

If a light is already installed that now needs to be controlled motion-dependently, we recommend theLuxe R180 WH

- Secure protection against tampering thanks to robust housing design with covered operating controls
- Large detection area of 180° and max. 12 m
- theLuxe R technical data: page 56

We recommend theLeda S20 WH:

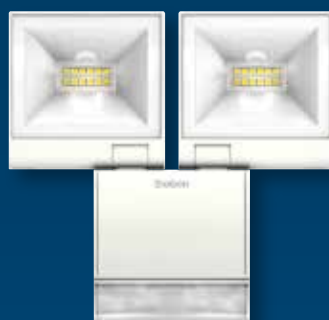
- High-performance double LED spotlight
- Corner installation bracket (optional accessory) for optimum illumination of two facades
- Both spotlights can be optimally aligned individually: one spotlight in the direction of the entrance or front door, the other one towards the carport
- theLeda S20 technical data: page 52

### theLeda S20

### theLuxe S150/S180



Practical corner installation possible



Alternative:

If a light is already installed that now needs to be controlled motion-dependently, we recommend theLuxe S150/S180:

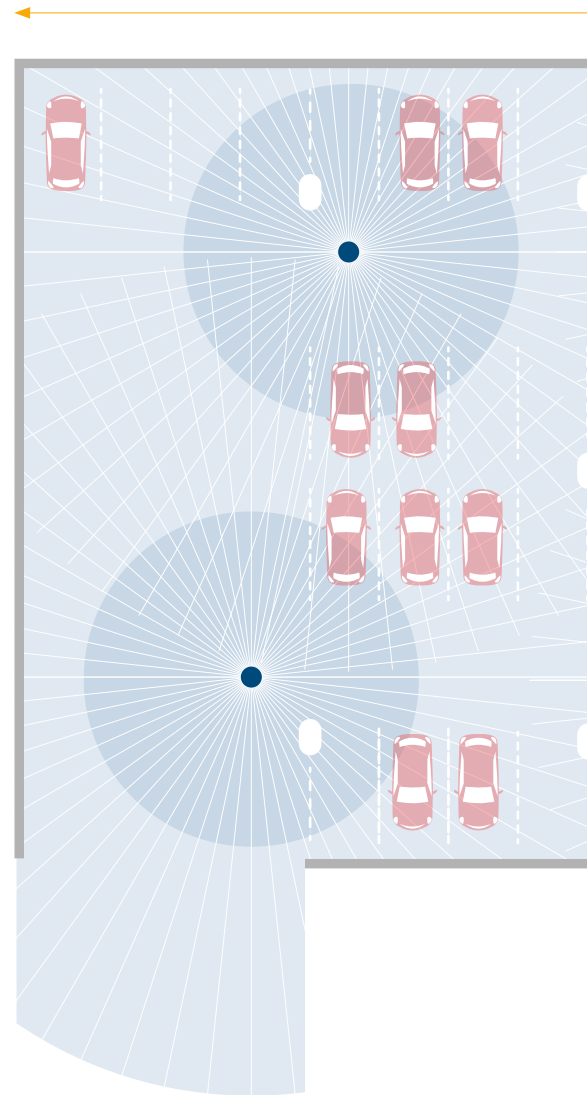
- Creep under protection
- Time delay and lux value easily adjustable
- theLuxe technical data: page 56



# Garages and garage entrances

## Underground car park

The lighting in an underground car park should be switched on motion-dependently as soon as a person enters the underground car park via the staircase or when a car comes in.



We recommend theLuxa S360:

- ➔ Ceiling installation or wall mounting possible. Thanks to the flexibly adjustable sensor head even on the ceilings of the garage
- ➔ Few detectors per area thanks to the large detection area of  $\varnothing$  32 m
- ➔ High protection rating of IP 55 (humidity in an underground car park is therefore no problem)
- ➔ theLuxa S technical data: page 56

Alternatives:

theLuxa R180 WH motion detector is also recommended for smaller underground car parks:

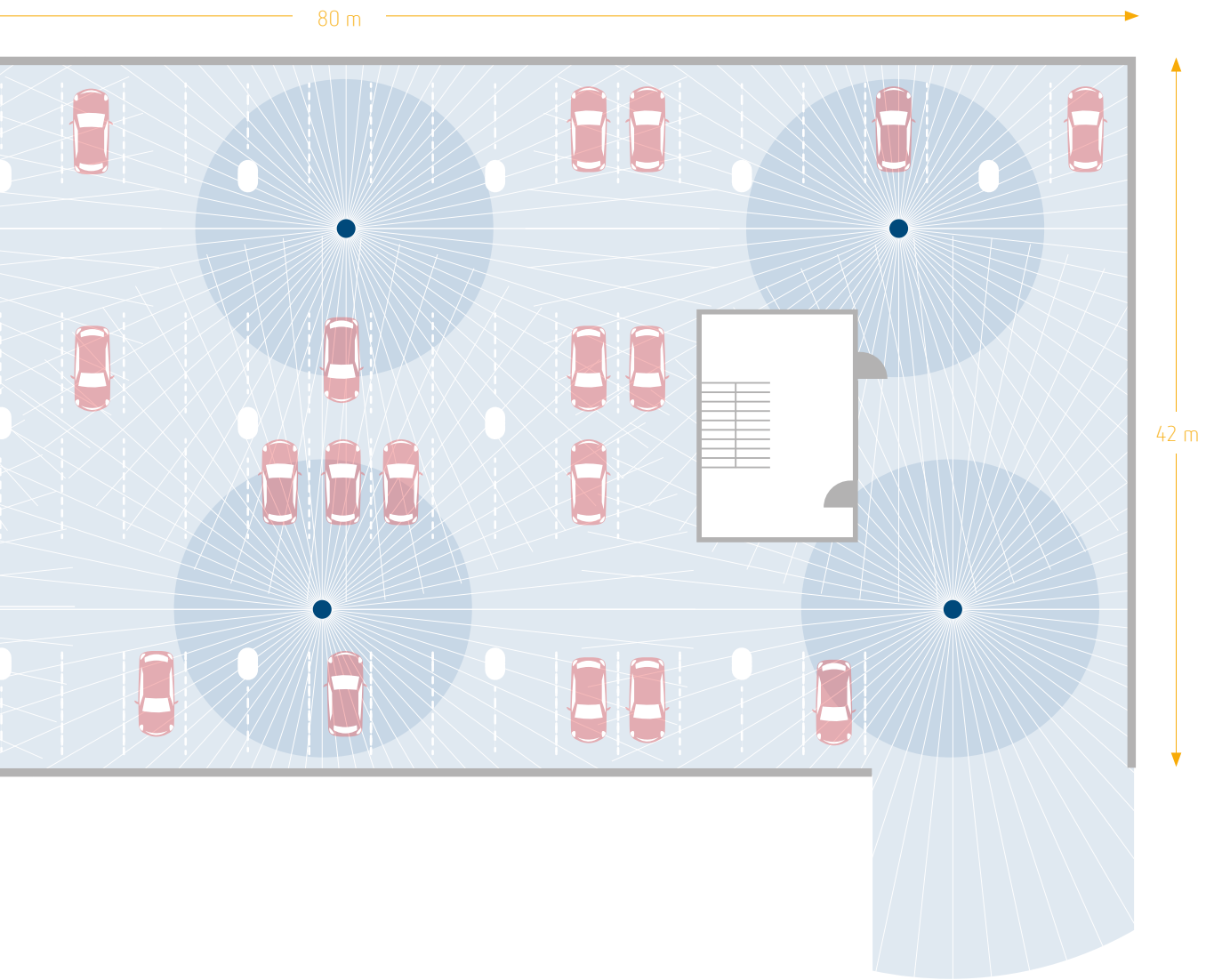
- ➔ High protection rating of IP 55 too (humidity in an underground car park is therefore no problem)
- ➔ Detection area of 180° and 12 m
- ➔ Secure protection against tampering thanks to robust housing design with covered operating controls
- ➔ theLuxa R technical data: page 56

For flexible use, we recommend theLeda B50L WH:

- ➔ LED spotlight with optional accessories: motion detector and light sensor
- ➔ A high protection rating of IP 65 with the corresponding accessories (humidity in an underground car park is therefore no problem)
- ➔ Large detection angle of 180° at 12 m range
- ➔ theLeda B technical data: page 55



Practical pulse function



theLuxa S360



theLuxa R180



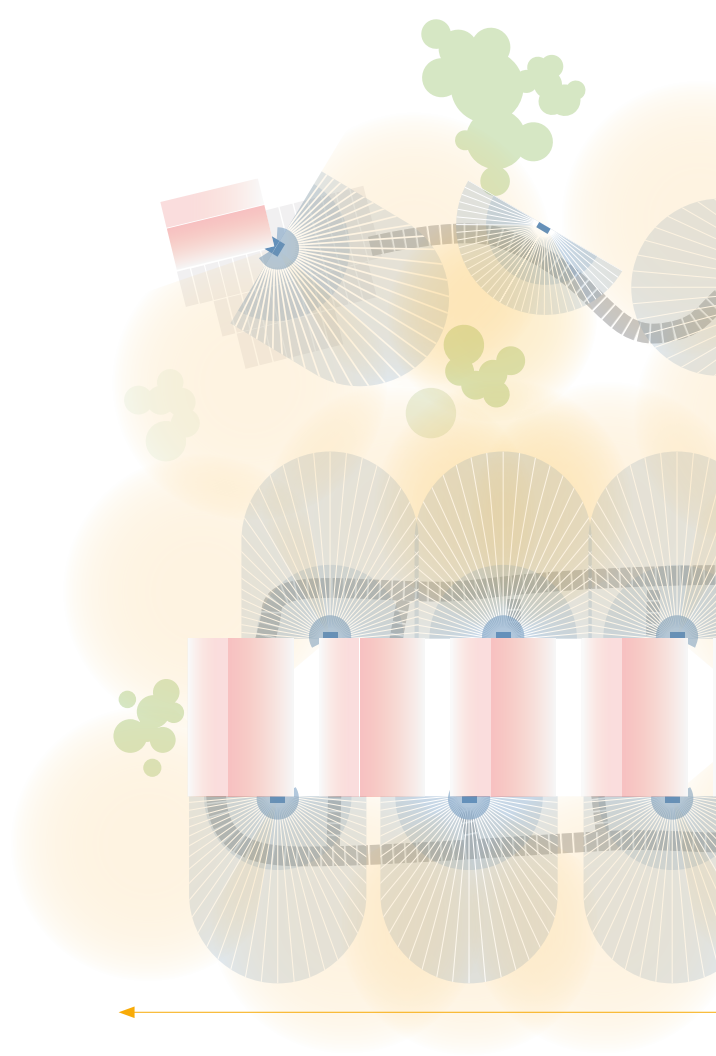
theLeda B



# Solutions for hotels, hospitals and administration buildings

## Garden and outdoor installation

The motion-dependent illumination of the extensive park at a hotel with main building, dining room, several apartments and swimming pool is required.



We recommend theLeda P24:

- LED spotlight with integrated motion detector (IP 55)
- The orientation light increases safety. If motion is detected, the light switches on at 100 %.
- The dimming function (D-mode) ensures that the light goes on as soon as the brightness falls below a certain value – regardless of motion
- The area to be detected can be increased via Master/Master switching of two or more devices
- theLeda P technical data: page 50

Alternative:

- theLuxa P300 motion detector provides reliable detection, even from high installation heights
- Small number of detectors per area thanks to the large detection area of Ø 32 m
- High protection rating of IP 55
- Corner installation possible – for simultaneous detection over two facades
- Can easily be set via remote control
- theLuxa P300 technical data: page 57

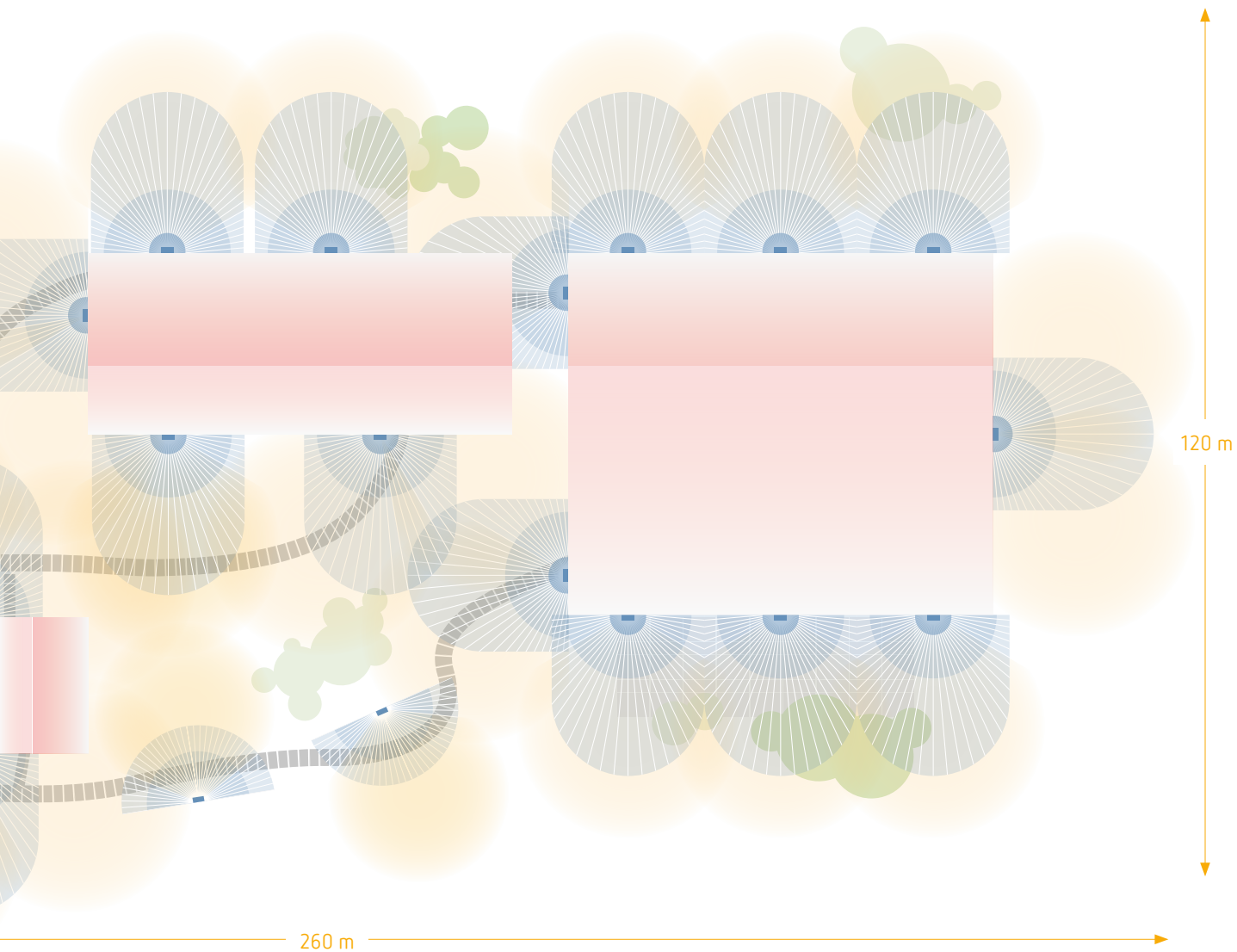


High-performance  
KNX version

When it comes to lighting up paths, we recommend theLeda D B AL:

- LED bollard light with integrated motion detector (IP 55)
- Large detection angle of 180° at 6 m range
- Wireless connectivity
- theLeda D technical data: page 48





theLeda P24



theLuxa P



theLeda D

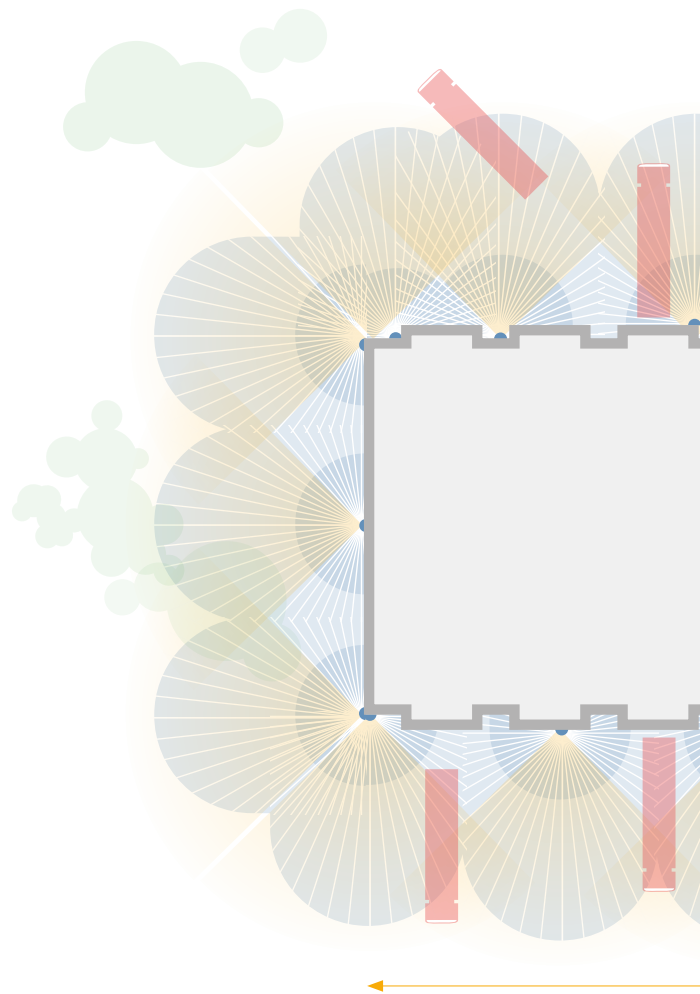


# Outside facilities of functional buildings

## Factory halls and warehouses with car park

### Loading ramps and company car park

Motion-dependent lighting of the outside facilities of a production plant with loading ramps and parking spaces is required – also for safety reasons.



#### theLeda S

We recommend theLeda S20  
theLeda S20 is a powerful double LED spotlight that can come with or without a motion detector:

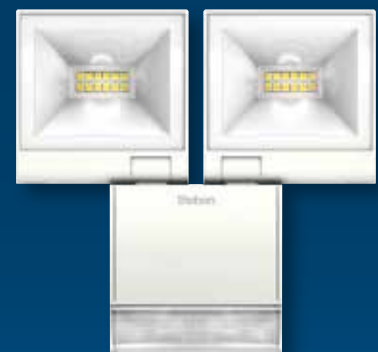
- ↪ Corner installation bracket (optional accessory) for optimum illumination of two facades
- ↪ Both spotlights can be optimally aligned individually
- ↪ High protection rating of IP 55 (humidity is therefore no problem)
- ↪ Detection angle of 180° at 10 m range
- ↪ theLeda S technical data: page 52

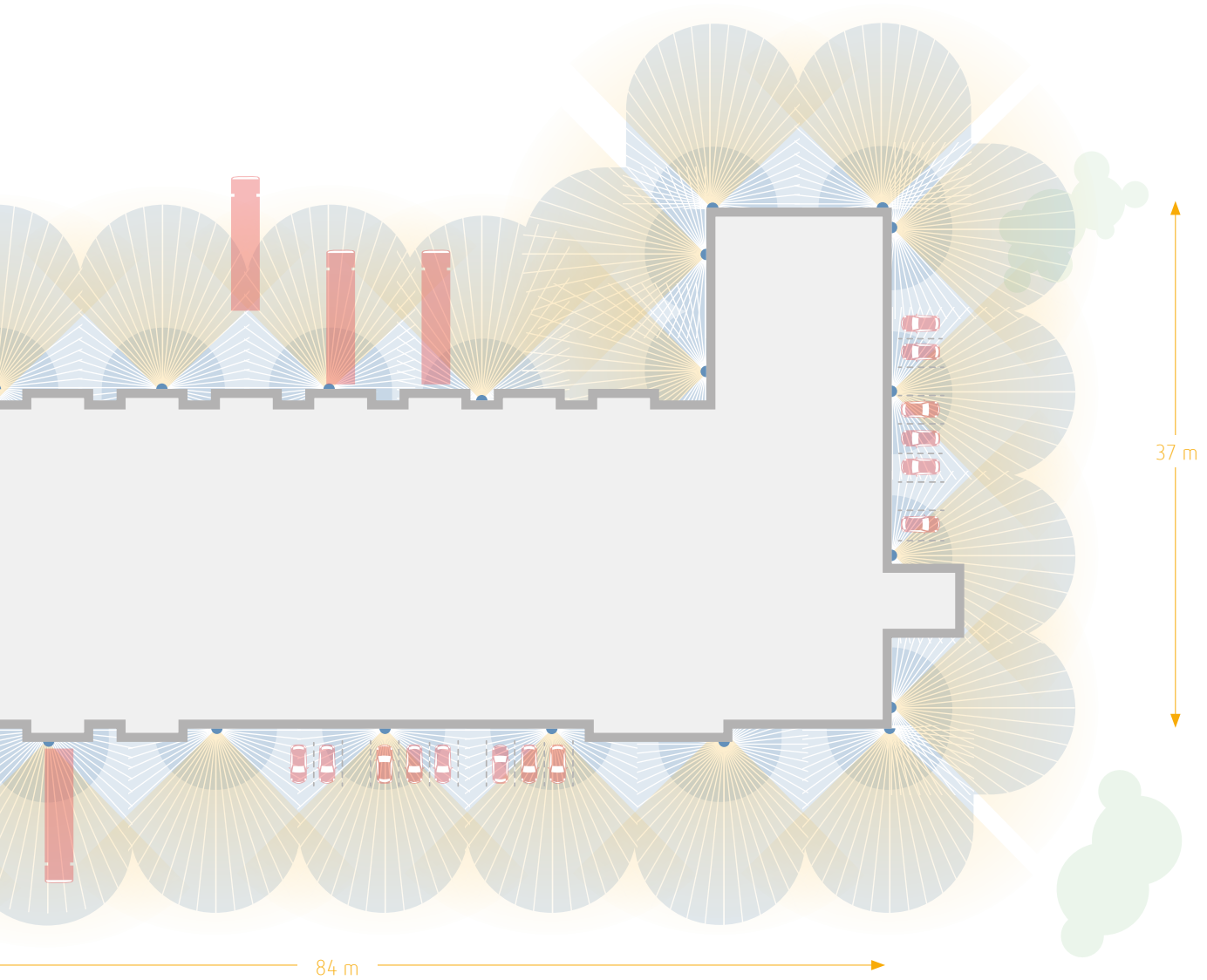
Alternative: theLeda EC30 BK:

- ↪ Large detection angle of 180° at 12 m range
- ↪ Durable LEDs with a service life of 30,000 hours
- ↪ Featuring additional relay output that can be used to connect other devices
- ↪ Protection class IP 55
- ↪ Ideal for coastal areas: resistant to salt and sea water
- ↪ theLeda EC technical data: page 54

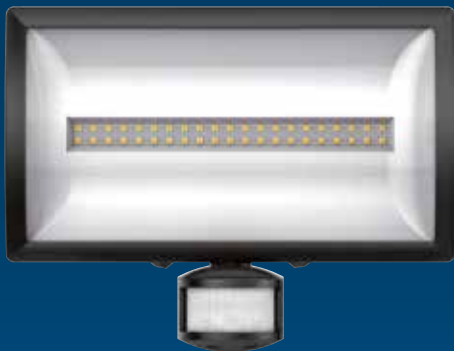


Master/  
Master  
switching





theLeda EC







## Technical data

theLeda D 46

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theLeda P 50

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theLeda S 52

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theLeda EC 54

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theLeda B 55

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theLuxa R,  
S and P 56

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Accessories 58

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# theLeda D

## LED light



### Features

#### theLeda D S AL

#### theLeda D SU AL

#### theLeda D U AL

#### theLeda D UD AL

Version	LED light with motion detector	LED light with motion detector	LED light with motion detector	LED light with motion detector
Housing	Anodised aluminium	Anodised aluminium	Anodised aluminium	Anodised aluminium
Detection angle	180°	180°	180°	180°
Lateral detection area	10 m	10 m	10 m	10 m
Light emission	Spotlight (at front)	Spotlight/uplighter (at front/top)	Uplighter (at top)	Uplighter/downlighter (at top/bottom)
Brightness setting range	2–800 lx	2–800 lx	2–800 lx	2–800 lx
Light time delay	10 s–20 min	10 s–20 min	10 s–20 min	10 s–20 min
Test function	Yes	Yes	Yes	Yes
Twilight switch	Yes	Yes	Yes	Yes
Standby output	0.5 W	0.5 W	0.5 W	0.5 W
Operating voltage	230 V AC	230 V AC	230 V AC	230 V AC
Frequency	50–60 Hz	50–60 Hz	50–60 Hz	50–60 Hz
Type of installation	Wall mounting	Wall mounting	Wall mounting	Wall mounting
Additional light switch output	Wireless connectivity	Wireless connectivity	Wireless connectivity	Wireless connectivity
Master/Master	Yes (wireless)	Yes (wireless)	Yes (wireless)	Yes (wireless)
LED output (luminous flux)	1x 8.5 W (760 lm)	2x 14 W (760 lm/475 lm)	1x 8.5 W (760 lm)	2x 11.5 W (475 lm)
Colour temperature	3000 K	3000 K	3000 K	3000 K
Ambient temperature	–25°C to +45°C	–25°C to +45°C	–25°C to +45°C	–25°C to +45°C
Protection class	II	II	II	II
Protection rating	IP 55	IP 55	IP 55	IP 55

### Item numbers

Item number	1020901	1020902	1020903	1020904
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### Optional accessories

10 AL corner bracket	9070970	9070970	9070970	9070970
10 AL spacer frame	9070972	9070972	9070972	9070972
theSenda S remote control	9070911	9070911	9070911	9070911
theSenda P remote control	9070910	9070910	9070910	9070910
theSenda B remote control	9070985	9070985	9070985	9070985



theLeda D SL AL

theLeda D SUL AL

theLeda D UL AL

theLeda D UDL AL

LED light without motion detector	LED light without motion detector	LED light without motion detector	LED light without motion detector
Anodised aluminium	Anodised aluminium	Anodised aluminium	Anodised aluminium
-	-	-	-
-	-	-	-
Spotlight (at front)	Spotlight/uplighter (at front/top)	Uplighter (at top)	Uplighter/downlighter (at top/bottom)
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
230 V AC	230 V AC	230 V AC	230 V AC
50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Wall mounting	Wall mounting	Wall mounting	Wall mounting
Wireless connectivity	Wireless connectivity	Wireless connectivity	Wireless connectivity
Yes (wireless)	Yes (wireless)	Yes (wireless)	Yes (wireless)
1x 8.5 W (760 lm)	2x 14 W (760 lm/475 lm)	1x 8.5 W (760 lm)	2x 11.5 W (475 lm)
3000 K	3000 K	3000 K	3000 K
-25°C to +45°C	-25°C to +45°C	-25°C to +45°C	-25°C to +45°C
II	II	II	II
IP 55	IP 55	IP 55	IP 55
1020701	1020702	1020703	1020704
9070970	9070970	9070970	9070970
9070972	9070972	9070972	9070972
-	-	-	-
-	-	-	-
-	-	-	-

# theLeda D

## LED bollard light



### Features

### theLeda D B AL

### theLeda D B plus AL

Version	LED bollard light with motion detector	LED bollard light with motion detector
Housing	Anodised aluminium	Anodised aluminium
Housing length	400 mm	720 mm
Detection angle	180°	180°
Lateral detection area	6 m	6 m
Light emission	Spotlight (at front)	Spotlight (at front)
Brightness setting range	2–800 lx	2–800 lx
Light time delay	10 s–20 min	10 s–20 min
Test function	Yes	Yes
Twilight switch	Yes	Yes
Standby output	0.5 W	0.5 W
Operating voltage	230 V AC	230 V AC
Frequency	50–60 Hz	50–60 Hz
Type of installation	Floor installation	Floor installation
Additional light switch output	Wireless connectivity	Wireless connectivity
Master/Master	Yes (wireless)	Yes (wireless)
LED output (luminous flux)	1x 8.5 W (760 lm)	1x 8.5 W (760 lm)
Colour temperature	3000 K	3000 K
Ambient temperature	–25°C to +45°C	–25°C to +45°C
Protection class	II	II
Protection rating	IP 55	IP 55
Earthed socket	-	-

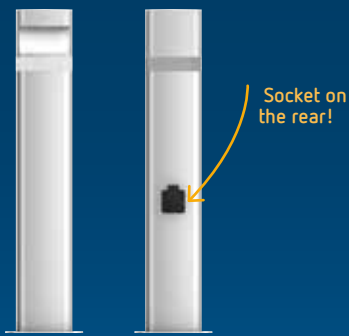
### Item numbers

Item number	1020905	1020906
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### Optional accessories

theLeda D B ground spike	9070765	9070765
theSenda S remote control	9070911	9070911
theSenda P remote control	9070910	9070910
theSenda B remote control	9070985	9070985





theLeda D B plus S AL



theLeda D BL AL



theLeda D BL plus AL

LED bollard light with motion detector and socket (rear)	LED bollard light without motion detector	LED bollard light without motion detector
Anodised aluminium	Anodised aluminium	Anodised aluminium
720 mm	400 mm	720 mm
180°	-	-
6 m	-	-
Spotlight (at front)	Spotlight (at front)	Spotlight (at front)
2-800 lx	-	-
10 s-20 min	-	-
Yes	-	-
Yes	-	-
0.5 W	-	-
230 V AC	230 V AC	230 V AC
50-60 Hz	50-60 Hz	50-60 Hz
Floor installation	Floor installation	Floor installation
Wireless connectivity	Wireless connectivity	Wireless connectivity
Yes (wireless)	Yes (wireless)	Yes (wireless)
1x 8.5 W (760 lm)	1x 8.5 W (760 lm)	1x 8.5 W (760 lm)
3000 K	3000 K	3000 K
-25°C to +45°C	-25°C to +45°C	-25°C to +45°C
I	II	II
IP 54	IP 55	IP 55
230 V AC / 16 A	-	-
1020907	1020705	1020706
9070765	9070765	9070765
9070911	-	-
9070910	-	-
9070985	9070985 (for channel selection)	9070985 (for channel selection)

# theLeda P

## LED spotlight



### Features

#### theLeda P12

#### theLeda P12L

Version	LED spotlight with motion detector	LED spotlight without motion detector
Detection angle	180°	–
Lateral detection area	12 m	–
Creep under protection	220°	–
Remote operation	Yes	–
Brightness setting range	5–800 lx or just presence-dependent	–
Light time delay	10 s–20 min	–
Test function	Yes	–
Twilight switch	Yes	–
Standby output	0.4 W	–
Operating voltage	230 V AC	230 V AC
Frequency	50–60 Hz	50–60 Hz
Type of installation	Wall mounting	Wall mounting
Additional light switch output	No	No
Master/Master	Yes	Yes
LED output (luminous flux)	1 x 11 W (900 lm)	1 x 11 W (900 lm)
Comparable halogen output	140 W	140 W
Colour temperature	4000 K, neutral white	4000 K, neutral white
Adjustability of spotlight	35° left/right, 60° up/down, 180° back	35° left/right, 60° up/down, 180° back
Ambient temperature	–25°C to +45°C	–25°C to +45°C
Protection class	II	II
Protection rating	IP 55	IP 55

### Item numbers

Item number white (WH)	1020941	1020741
Item number aluminium (AL)	1020942	1020742

### Optional accessories

theLeda P WH white spacer frame	Included in the scope of supply	Included in the scope of supply
theLeda P AL aluminium spacer frame	Included in the scope of supply	Included in the scope of supply
theLeda P WH white corner bracket	9070969	9070969
theLeda P AL aluminium corner bracket	9070970	9070970
theSenda S remote control	9070911	–
theSenda P remote control	9070910	–
theSenda B remote control	–	–



theLeda P24



theLeda P24L

LED spotlight with motion detector	LED spotlight without motion detector
180°	–
12 m	–
220°	–
Yes	–
5–800 lx or just presence-dependent	–
10 s–20 min	–
Yes	–
Yes	–
0.4 W	–
230 V AC	230 V AC
50–60 Hz	50–60 Hz
Wall mounting	Wall mounting
No	No
Yes	Yes
20 W (2 x 900 lm)	20 W (2 x 900 lm)
2 x 140 W	2 x 140 W
4000 K, neutral white	4000 K, neutral white
30° back, 60° down	30° back, 60° down
–25°C to +45°C	–25°C to +45°C
II	II
IP 55	IP 55
1020943	1020743
1020944	1020744
Included in the scope of supply	Included in the scope of supply
Included in the scope of supply	Included in the scope of supply
Included in the scope of supply	Included in the scope of supply
Included in the scope of supply	Included in the scope of supply
9070911	–
9070910	–
–	–

# theLeda S

## LED spotlight



### Features

theLeda S10 WH

theLeda S20 WH

Version	LED spotlight with motion detector	LED spotlight with motion detector
Detection angle	180°	180°
Lateral detection area	10 m	10 m
Creep under protection	180°	180°
Brightness setting range	5–200 lx or just presence-dependent	5–200 lx or just presence-dependent
Light time delay	2 s–30 min	2 s–30 min
Standby output	0.4 W	0.4 W
Operating voltage	230 V AC	230 V AC
Frequency	50–60 Hz	50–60 Hz
Type of installation	Wall mounting	Wall mounting
LED output (luminous flux)	1x 10 W (840 lm)	2x 10 W (840 lm)
Comparable halogen output	135 W	2x 135 W
Emission angle	Approx. 90° horizontal and 90° vertical	Approx. 90° horizontal and 90° vertical
Colour temperature	4000 K, neutral white or 3000 K, warm white	4000 K, neutral white or 3000 K, warm white
Adjustability of spotlight	Can be turned horizontally by $\pm 40^\circ$ Can be swivelled down by $70^\circ$ Wall lighting can be turned by $180^\circ$	Can be turned horizontally by $\pm 20^\circ$ Can be swivelled down by $70^\circ$
Ambient temperature	-20°C to +45°C	-20°C to +45°C
Protection class	I	I
Protection rating	IP 55	IP 55

### Item numbers

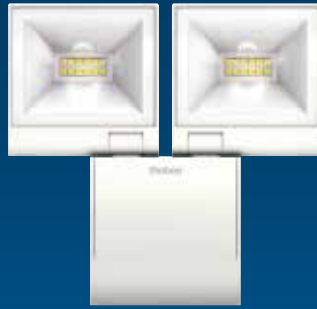
Item number white (WH, 4000 K, neutral white)	1020921	1020923
Item number white (WH, 3000 K, warm white)	1020931	1020933
Item number black (BK, 4000 K, neutral white)	1020922	1020924
Item number black (BK, 3000 K, warm white)	1020932	1020934

### Optional accessories

10 WH (white) corner bracket	9070969	9070969
10 BK (black) corner bracket	9070987	9070987
10 WH (white) spacer frame	9070971	9070971
10 BK (black) spacer frame	9070988	9070988



theLeda S10L WH



theLeda S20L WH

LED spotlight without motion detector	LED spotlight without motion detector
-	-
-	-
-	-
-	-
-	-
-	-
230 V AC	230 V AC
50 – 60 Hz	50 – 60 Hz
Wall mounting	Wall mounting
1x 10 W (840 lm)	2x 10 W (840 lm)
135 W	2x 135 W
Approx. 90° horizontal and 90° vertical	Approx. 90° horizontal and 90° vertical
4000 K, neutral white	4000 K, neutral white
Can be turned horizontally by $\pm 40^\circ$ Can be swivelled down by $70^\circ$ Wall lighting can be turned by $180^\circ$	Can be turned horizontally by $\pm 20^\circ$ Can be swivelled down by $70^\circ$
-20°C to +45°C	-20°C to +45°C
I	I
IP 55	IP 55
1020721	1020723
-	-
1020722	1020724
-	-
9070969	9070969
9070987	9070987
9070971	9070971
9070988	9070988

# theLeda EC and theLeda B LED spotlight



Features	theLeda EC10	theLeda EC20	theLeda EC30
Version	LED spotlight with motion detector	LED spotlight with motion detector	LED spotlight with motion detector
Detection angle	180°	180°	180°
Lateral detection area	12 m	12 m	12 m
Adjustability of sensor	Can be turned left/right by $\pm 90^\circ$ and down by $\pm 90^\circ$	Can be turned left/right by $\pm 90^\circ$ and down by $\pm 90^\circ$	Can be turned left/right by $\pm 90^\circ$ and down by $\pm 90^\circ$
Brightness setting range	2 – 200 lx	2 – 200 lx	2 – 200 lx
Light time delay	5 s – 10 min	5 s – 10 min	5 s – 10 min
Test function	Yes	Yes	Yes
Twilight switch	No	No	No
Standby output	0.5 W	0.5 W	0.5 W
Operating voltage	230 V AC	230 V AC	230 V AC
Frequency	50 Hz	50 Hz	50 Hz
Type of installation	Wall mounting	Wall mounting	Wall mounting
Additional light switch output	Zero-cross switching	Zero-cross switching	Zero-cross switching
Master/Slave	No	No	No
LED output (luminous flux)	1x 10 W (750 lm)	1x 20 W (1500 lm)	1x 30 W (2250 lm)
Comparable halogen output	135 W	200 W	250 W
Emission angle	Approx. 85° horizontal and 100° vertical	Approx. 105° horizontal and 85° vertical	Approx. 105° horizontal and 80° vertical
Colour temperature	4000 K, neutral white	4000 K, neutral white	4000 K, neutral white
Adjustability of spotlight	Down by 60°, up by 45°	Down by 60°, up by 45°	Down by 60°, up by 45°
Ambient temperature	-20°C to +40°C	-20°C to +40°C	-25°C to +45°C
Protection class	I	I	I
Protection rating	IP 55	IP 55	IP 55
<b>Item numbers</b>			
Item number white (WH)	1020811	1020813	1020815
Item number black (BK)	1020812	1020814	1020816
<b>Optional accessories</b>			
theLeda EC white swivelling holder	9070758	9070758	9070758
theLeda EC black swivelling holder	9070759	9070759	9070759



## Features

theLeda B20L

theLeda B30L

theLeda B50L

Version	LED spotlight, with option of motion sensor or light sensor		
Operating voltage	230 V AC	230 V AC	230 V AC
Frequency	50 Hz	50 Hz	50 Hz
Type of installation	Wall mounting	Wall mounting	Wall mounting
LED output (luminous flux)	1x 20 W (1500 lm white/1400 lm black)	1x 30 W (2100 lm white/2050 lm black)	1x 50 W (3600 lm white/3500 lm black)
Comparable halogen output	200 W (white)/190 W (black)	250 W (white)/240 W (black)	330 W (white)/320 W (black)
Emission angle	Approx. 95° horizontal and 105° vertical	Approx. 95° horizontal and 70° vertical	Approx. 95° horizontal and 105° vertical
Colour temperature	5000 K, neutral white	5000 K, neutral white	5000 K, neutral white
Adjustability of spotlight	Can be swivelled by 360°	Can be swivelled by 360°	Can be swivelled by 360°
Ambient temperature	-20°C to +40°C	-20°C to +40°C	-25°C to +45°C
Protection class	I (spotlight)/II (sensors)	I (spotlight)/II (sensors)	I (spotlight)/II (sensors)
Protection rating	IP 65 (spotlight)/IP 55 (sensors)	IP 65 (spotlight)/IP 55 (sensors)	IP 65 (spotlight)/IP 55 (sensors)

## Item numbers

Item number white (WH)	1020683	1020685	1020687
Item number black (BK)	1020684	1020686	1020688

## Optional accessories: motion sensor

- 180° detection angle at 12 m range
- Additional light switch output
- Sensor can be turned horizontally by ±90° and down/back by 90°
- Protection rating IP 55

theLeda B motion sensor white	9070760	9070760	9070760
theLeda B motion sensor black	9070761	9070761	9070761

## Optional accessories: light sensor

- Duty cycle range: 2, 4, 6, 8 hours, on/permanent on at night
- Switch-on brightness can be set from 2–200 lux
- Additional light switch output
- IP 55 protection rating

theLeda B light sensor white	9070762	9070762	9070762
theLeda B light sensor black	9070763	9070763	9070763

# theLuxa motion detector



## Features

	theLuxa R180	theLuxa S150	theLuxa S180
Detection angle	180°	150°	180°
Lateral detection area	12 m	12 m	12 m
Installation height	2.5 m	2–4 m	2–4 m
Type of installation	Wall mounting	Wall mounting	Wall mounting
Functions	Test function	Creep under protection, pulse function, test function	
Brightness setting range	2–200 lx/∞	5–1000/∞ lux	5–1000/∞ lux
Duty cycle range	2 s–30 min	1 s–20 min	1 s–20 min
Remote operation	No	No	No
Standby consumption	< 0.5 W	< 1 W	< 1 W
Switch contact	μ contact 230 V AC	μ contact 230 V AC	μ contact 230 V AC
Operating voltage	230 V AC	230 V AC/50 Hz	230 V AC/50 Hz
Zero-cross switching	Yes	Yes	Yes
Switching capacity	10 A (at 230 V AC, cos φ = 1)	10 A (cos φ = 1) 3 AX (cos φ = 0.3)	10 A (cos φ = 1) 3 AX (cos φ = 0.3)
Min. switching capacity	10 mA	10 mA	10 mA
LED lamps < 2 W	50 W	25 W	25 W
LED lamps > 2 W	500 W	200 W	200 W
Incandescent/halogen lamp load	2300 W	2300 W	2300 W
Low-voltage halogen lamps	–	2300 W	2300 W
Fluorescent lamps EB	–	400 VA (42 μF)	400 VA (42 μF)
Compact fluorescent lamps EB	500 W	150 W	150 W
Ambient temperature	–25°C to +45°C	–25°C to +45°C	–25°C to +45°C
Protection rating (in accordance with EN 60529)	IP 55	IP 55	IP 55

## Item numbers

	theLuxa R180	theLuxa S150	theLuxa S180
Item number white (WH)	1010200	1010500	1010505
Item number black (BK)	1010201	1010501	1010506

## Optional accessories

	theLuxa R180	theLuxa S150	theLuxa S180
White spacer frame	9070971	9070906	9070906
Black spacer frame	9070988	9070907	9070907
theLuxa white corner bracket	9070969	9070902	9070902
theLuxa black corner bracket	9070987	9070903	9070903
theSenda S remote control	–	–	–
theSenda P remote control	–	–	–
theSenda B remote control	–	–	–







theLuxa S360

theLuxa P220

theLuxa P300

theLuxa P300 KNX

360°	220°	300°	300°
16 m	16 m	16 m	16 m
2–4 m	2–4 m	2–4 m	2–4 m
Ceiling installation & wall mounting	Ceiling installation & wall mounting	Ceiling installation & wall mounting	Ceiling installation & wall mounting
Creep under protection, pulse function, test function			
5–1000/∞ lux	5–1000/∞ lux	5–1000/∞ lux	5–1000/∞ lux
1 s–20 min	1 s–20 min	1 s–20 min	1 s–20 min
No	Yes	Yes	Yes
0.5 W	0.3 W	0.3 W	–
μ contact 230 V AC	Tungsten pre-contact	Tungsten pre-contact	–
230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	KNX bus
Yes	No	No	–
10 A (cos φ = 1) 3 AX (cos φ = 0.3)	10 A (cos φ = 1) 10 AX (cos φ = 0.3)	10 A (cos φ = 1) 10 AX (cos φ = 0.3)	–
10 mA	100 mA	100 mA	–
25 W	60 W	60 W	–
200 W	600 W	600 W	–
2300 W	2300 W	2300 W	–
2300 W	2300 W	2300 W	–
400 VA (42 μF)	1300 VA (400 μF)	1300 VA (400 μF)	–
150 W	300 W	300 W	–
–25°C to +45°C	–25°C to +45°C	–25°C to +45°C	–25°C to +45°C
IP 55	IP 55	IP 55	IP 55
1010510	1010605	1010610	1019610
1010511	1010606	1010611	1019611
9070906	Included in the scope of supply	Included in the scope of supply	Included in the scope of supply
9070907	Included in the scope of supply	Included in the scope of supply	Included in the scope of supply
Included in the scope of supply	9070908	Included in the scope of supply	Included in the scope of supply
Included in the scope of supply	9070908	Included in the scope of supply	Included in the scope of supply
–	9070911	9070911	9070911
–	9070910	9070910	9070910
–	9070985	9070985	9070985



# Clever additions

## A wide range of accessories



### Features

theSenda S remote control

theSenda P remote control

theSenda B remote control with app-based control and luxmeter

### Suitable for

theLeda P, theLeda D and theLuxa P220/P300/P300 KNX

theLeda D

### Item numbers

Item number white (WH)

9070911

9070910

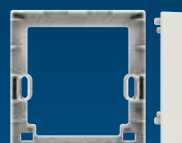
9070985

Item number black (BK)

-

-

-



### Features

theLeda corner bracket

theLeda surface-mount frame

theLuxa S corner bracket

### Suitable for

theLeda S, P, D, theLuxa R

theLeda S, P, D, theLuxa R

theLuxa S150, S180 and S360

### Item numbers

Item number white (WH)

9070969

9070971

9070902

Item number black (BK)

9070987

9070988

9070903

Item number aluminium (AL)

9070970

9070972



theLeda B motion sensor

theLeda B

9070760

9070761



theLeda B light sensor

theLeda B

9070762

9070763



theLeda EC swivelling holder

theLeda EC

9070758

9070758



theLuxa P corner bracket

theLuxa P220 and P300

9070904

9070905



theLuxa S surface-mount frame

theLuxa S150, S180 and S360

9070906

9070907



theLuxa P spacer frame

theLuxa P220 and P300

9070908

9070909



theLeda D ground spike

theLeda D

90707065

-

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# theben

Theben AG  
Hohenbergstraße 32  
72401 Haigerloch, Germany  
Phone +49 7474 692-0  
Fax +49 7474 692-150  
info@theben.de  
www.theben.de/en

**Service hotline**  
hotline@theben.de  
+49 7474 692-369  
Mo–Th 7:00–18:00, Fr 7:00–16:00

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