theben
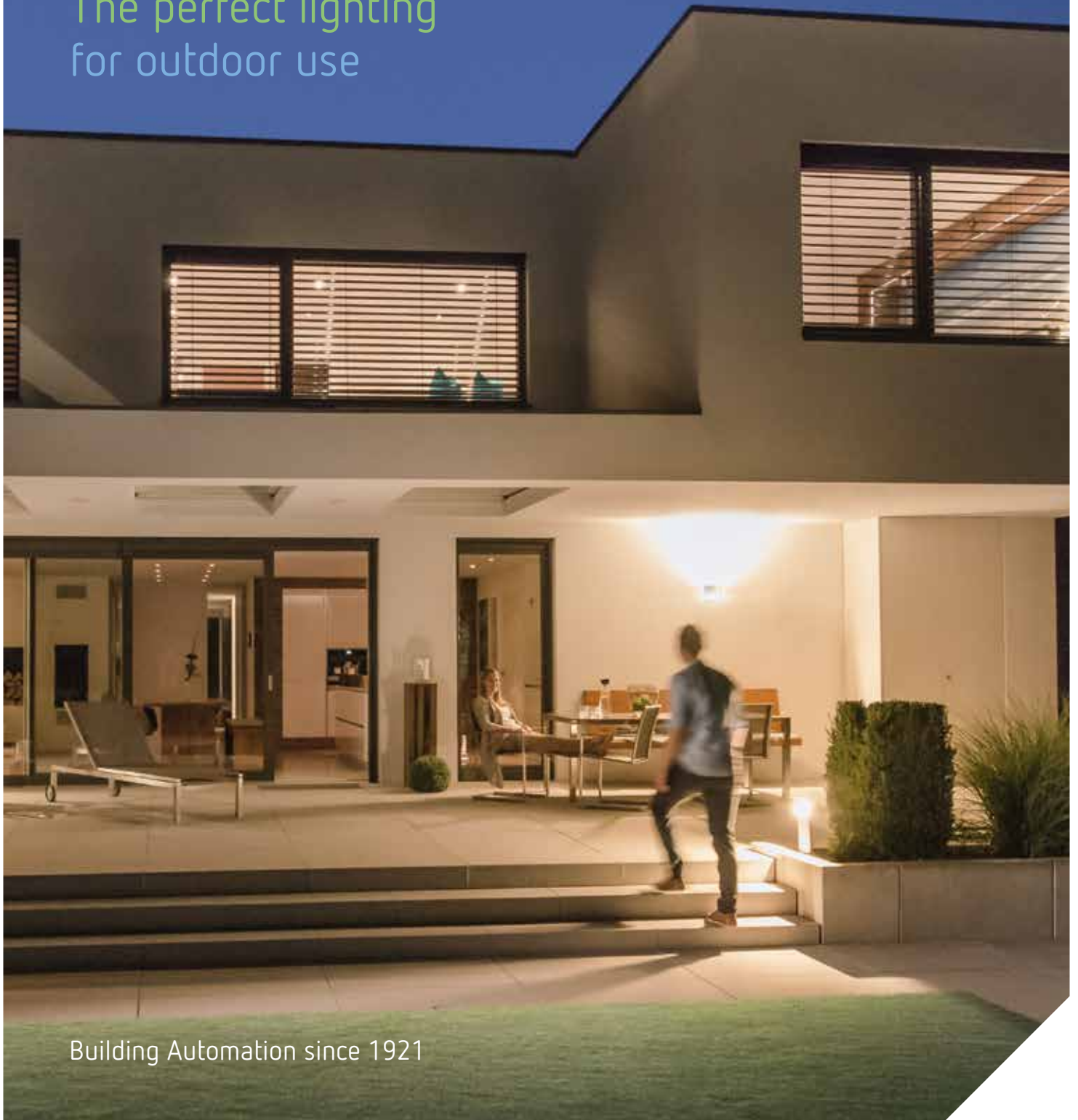
More beautiful, brighter, smarter
The perfect lighting
for outdoor use

Enlightening solutions
from Theben

Whether for the private home or in a commercial 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

General information

Applications

Technical data

Just in case
applications
and the right lighting solution

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 S . . . . S. 30

Patios and garden paths

theLuxa S
theLeda D . . . . S. 32

Underground car parks Multistorey car parks

theLuxa S360, theLuxa R
theLeda B . . . . S. 36

Elegant outdoor facilities

theLuxa P,
theLeda D . . . . S. 38

Basement stairs and entrances

Carports and garages

Functional outdoor facilities

Detailed information

Can also be found at
www.theleda.com

Uniform yet diverse
for atmospheric lighting
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 44 onwards.

GERMAN
DESIGN
AWARD
SPECIAL
2019

theLeda D SU AL (1020902)   Product design theLeda D by ID AID.

7

Brighter, warmer,
more iluminating
theLeda S LED spotlight

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

The successful spotlight series is available in 4,000 K (neutral white). With regard to energy-saving, theLeda S spotlights are ahead of the pack: with just less than 0.4 W of standby power consumption, the motion detector works extremely efficiently. And you can turn it as you like: with theLeda S spotlights, you can illuminate your surfaces perfectly.

The LED panel of theLeda S8-100 can be tilted forward. theLeda S17-100 with two LED panels can even be rotated and tilted.

Further information and technical data on page 48 onwards.
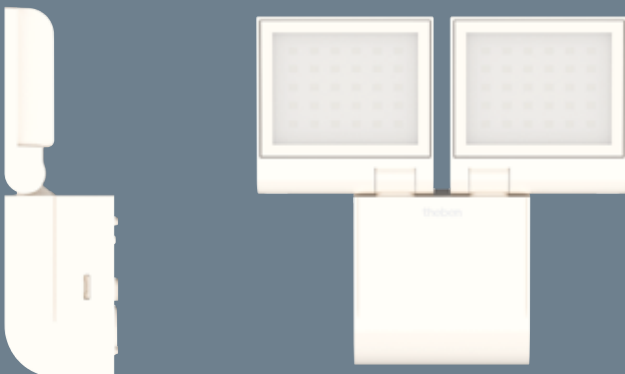
Now with even more scope
With additional components

Looking for a high-quality and high-performance LED spotlight? Or perhaps an LED spotlight in combination 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 provides the possibility to configure a theLeda B LED spotlight to suit your specific requirements. Whatever you need, 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 driver-less, high-power LED technology is available as a single unit or can be combined with a motion or lux sensor.

Further information and technical data on page 50 onwards.

4 levels of brightness
2 housing colours
1 lux sensor
2 motion sensors*

COUNTLESS
POSSIBILITIES!

* can be remote controlled with the RC motion detector module

theLeda B20L BK (1020684) with motion module RC (theLeda B BK (9070801)

The modular system
the Leda B LED spotlight

LED spotlight

LED spotlight with lux sensor

=

=

| OFF | ON |

Switch

Lux sensor

+

+

LED spotlight

LED spotlight

LED spotlight

+

Motion sensor

=

LED spotlight with motion sensor

LED spotlight

+

**Motion module RC theLeda B
(theLeda B remote control included)**

=
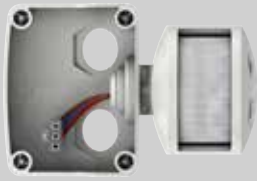
LED spotlight with radio-controlled motion detector module
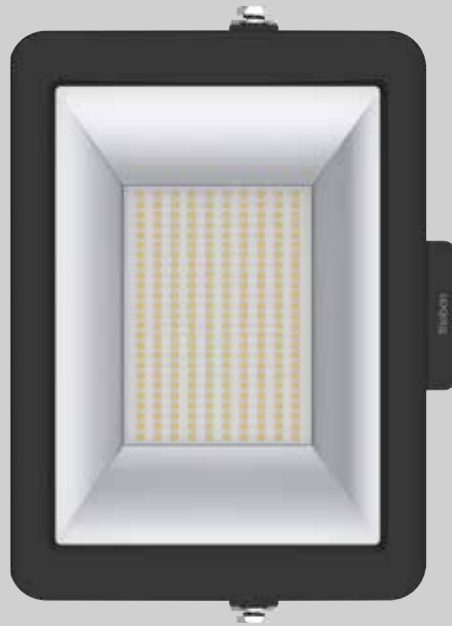
A clear line
Motion detectors
theLuxa R, S and P

Most people wouldn't even notice them. But from the moment the light comes on, you have a feeling of safety and everyone can see the way: theLuxa motion detectors from Theben.

They are a positive contribution 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 radio-controlled performance version with floating contacts for simple, time-saving and thus inexpensive integration into KNX building system technology.

KNX

Also as KNX variant available

2014 ausgezeichnet für:
PLUS X AWARD
Design
Funktionalität

2014 ausgezeichnet für:
PLUS X AWARD
High Quality
Design
Funktionalität

GOOD DESIGN

IDEAL FOR LED

Welcome
home

theLeda D/B plus AL (1020906)

Safe and bright
illumination
Motion detectors and LED lights

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 to cover every last angle. This means that motion detectors and LED lights also deter 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.

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 lower level 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 delay 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 exposed to the weather the installation location is.

Convenient and safe
Advantages
LED lights from Theben

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 theSenda remote controls, 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.

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 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.

Simple setting

The potentiometers are well- protected from the weather and can be adjusted directly on the device using a screwdriver.

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. Thanks to the zero-cross switching, you can keep the high inrush currents of LEDs firmly under control.
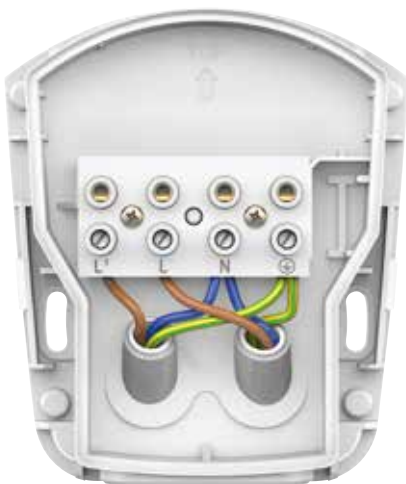
www.youtube.com/TheThebenAG

You can find all videos
on our YouTube channel.

Comfort with Theben products
starts with the assembly

More space, easy handling, a clever concept – there are many reasons for Theben motion detectors to be installed and started up easier and faster. The best reasons you can find here.

Spacious socket
Particularly convenient – the spacious socket. It can be easily screwed to the wall and wired. The motion detector itself is just plugged on. Done. The socket is standard on all motion detectors and LED Lumiares.

Highly visible terminal labelling
It is nice when you can always see what each connection is for. The terminal labelling is right above the connection. In this way it cannot be hidden by wires. That is not only more attractive, but also safer.

Secure fastening
Thanks to its blind terminal for earth conductors and the bracket for plug-in terminals, installation is quicker and safer. The earth conductor is neatly fixed, as it should be.

Clever. Safe. Comfortable.
Remote controls

For installers:
theSenda P service remote control

⌿1 Pulse function

Simple integration into existing electrical installations with staircase 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 of theLeda D and P is also possible via the button.

Sensitivity

Adjustable sensitivity: 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 of theLeda D is also possible via the button.

Calling up scenes

You want to celebrate a garden party. You call up the programmed scene by pushing the icon.

Presence simulation

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

D Twilight switch

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

Built-in luxmeter!

Bluetooth®

Infrared (IR)

For all:
theSenda B remote control and theSenda Plug app

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

This makes it possible to quickly, easily and safely operate most Theben products 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.

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 or on your lamp via infrared.

F++ Wide range of functions

Switching and dimming, two scenes, customised button allocation.

Always the right intensity 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.
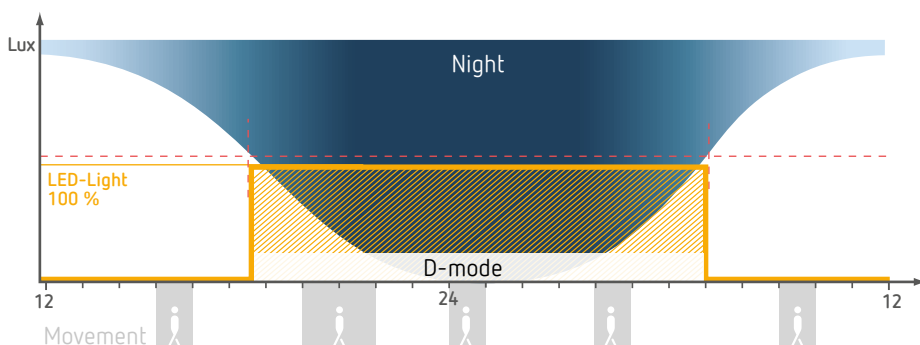
Motion function
With the motion function, the light comes on exactly when it is needed and switches off again automatically after the selected delay time has expired.
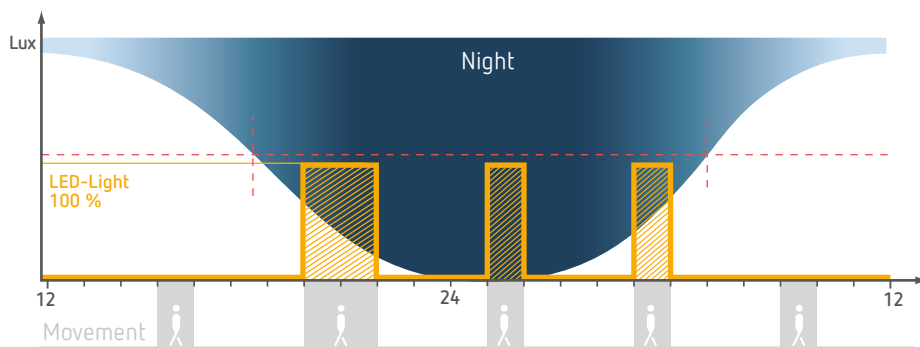
Dimming function
When the sun goes down, theLeda D springs into life. The dimming function of our LED light ensures that the light goes on as soon as the brightness falls below a certain value – regardless of whether theLeda has registered a movement or not.
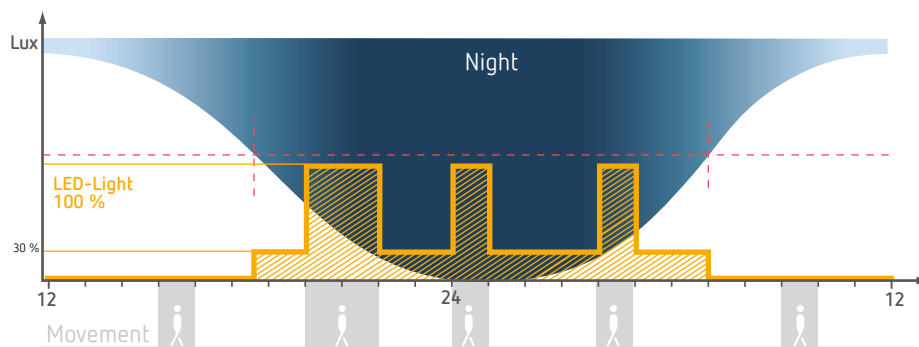
Orientation light

The orientation light in theLeda D 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 theLeda D registers
movement, the LED light will light up at full power (100%) before returning to the
dimmed brightness setting once the preset delay time has elapsed.

Self-learning night switch-off

The self-learning night switch-off adjusts to changing sunset times, switching off the
orientation light for several hours in the second half of the night. If there is movement
during the night shutdown, the light is still switched on. TheLeda D independently in-
telligently compensates for changing twilight times between summer and winter.
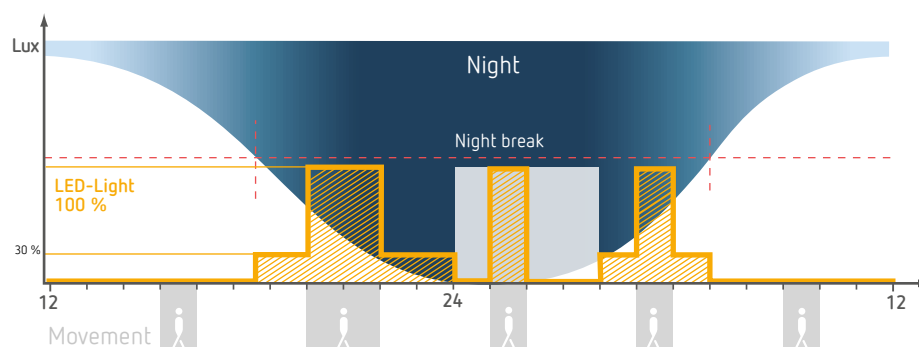
All functions at a glance
LED lights and
motion detectors

LED lights

Functions	theLeda D	theLeda D L (without detector)	theLeda S	theLeda S L (without detector)	theLeda B
Detection area	Wall lights: 180°, 10 m bollard lights: 180°, 6 m		180°, 10 m		Motion sensor: 180°, 12 m
Orientation light	●				
Clever teach-in function	●		●		
Practical test function	●		●		
Easy-to-use remote control	theSenda B theSenda P theSenda S				
Master-Master Master-Slave	Wireless	Wireless			Wired
Manual switching	●	●	●	●	●
Rotating and swivelling LED panels			●	●	●
Energy-efficient	●	●	●	●	●
Swivelling sensor head					With motion sensor
Safe creep under protection	All wall units except up/down and bollards		●		
Simple area restriction	●		●		With motion sensor
High protection rating	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
Detection area	180°, 12 m	150°, 12 m 180°, 12 m	360°, 16 m	220°, 16 m 300°, 16 m	300°, 16 m
Clever teach-In function		●	●	●	●
Practical test function	●	●	●	●	●
Easy-to-use remote control				theSenda P theSenda S	theSenda P theSenda S
Optimized for LED's	●	●	●	●	●
Manual switching	●	●	●	●	●
Wall mounting/ceiling installation	Wall mounting	Wall mounting	Wall mounting/ceiling installation	Wall mounting/ceiling installation	Wall mounting/ceiling installation
Energy-efficient	●	●	●	●	●
Swivelling sensor head		●	●	●	●
Safe creep-under protection		●	●	●	●
Simple area restriction	●	●	●	●	●
High protection rating	IP 55	IP 55	IP 66	IP 55	IP 55
Spacious socket	●	●	●	●	●
Simple setting	●	●	●	●	●
Functional low voltage				●	●

IDEAL FOR LED

Applications

theLeda D B AL (1020905)

Solutions for
front doors and patios
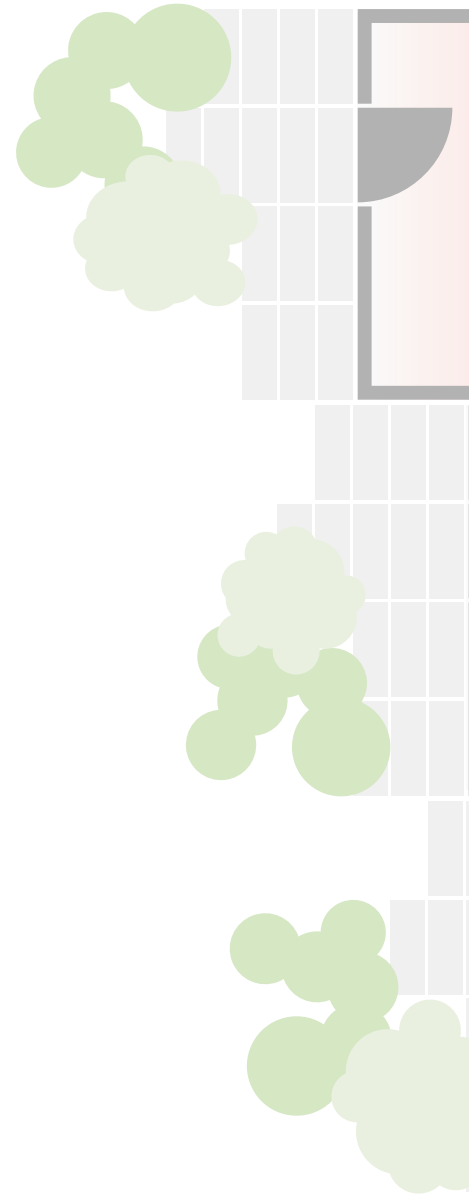
Terraced house

The light at the front door should automatically be switched on as soon as someone leaves the house or approach 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 SU AL:

⮡ Bright design LED light with integrated motion detector

⮡ High-quality housing made from anodised extruded aluminium profiles

⮡ Light emission at front (spot-light) and at top (up-light)

⮡ Wireless connectivity

⮡ theLeda D technical data: page 44

We recommend
theLeda S8-100 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 S8-100 WH technical data: page 48

theSenda B remote control
and theSenda Plug app:

With theSenda B, installers can adjust 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 22.

Detection area

Illumination area

8 m

22 m
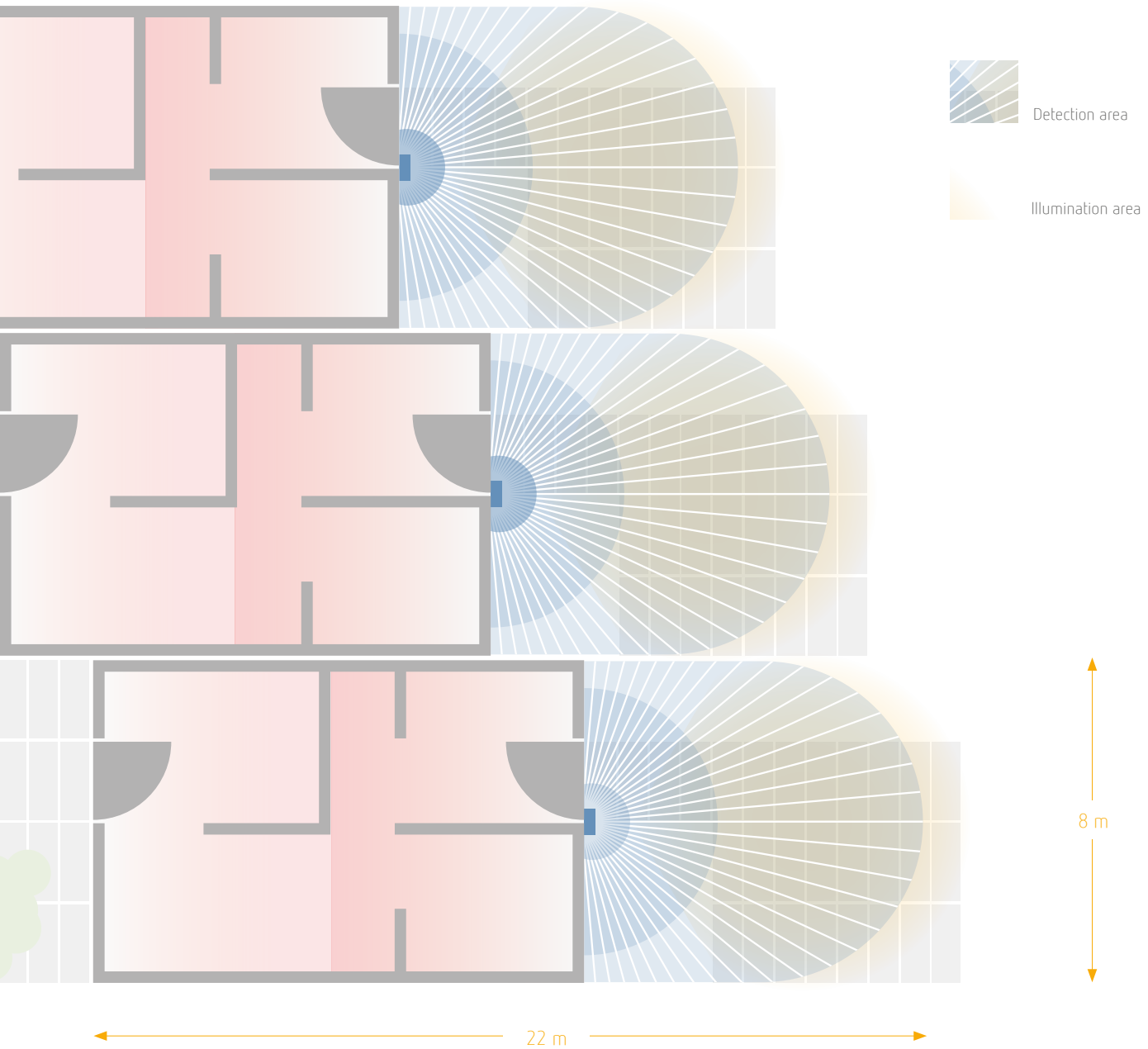
theLeda D SU AL

theLeda S8-100 WH

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 and theLeda S AL for motion-dependent control without an existing exterior lamp:

⮯ Bright design LED bollard light with integrated motion detector

⮯ theLeda D B plus S AL: Light emission at front (Spot)
   theLeda D S AL: Light emission at front (Spot)

⮯ Orientation light

⮯ Wireless connectivity

⮯ theLeda D technical data: page 44

③ 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

⮯ Delay time and lux value can easily be set

⮯ theLuxa technical data: page 52

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 22.

32 m

Detection area

Illumination area
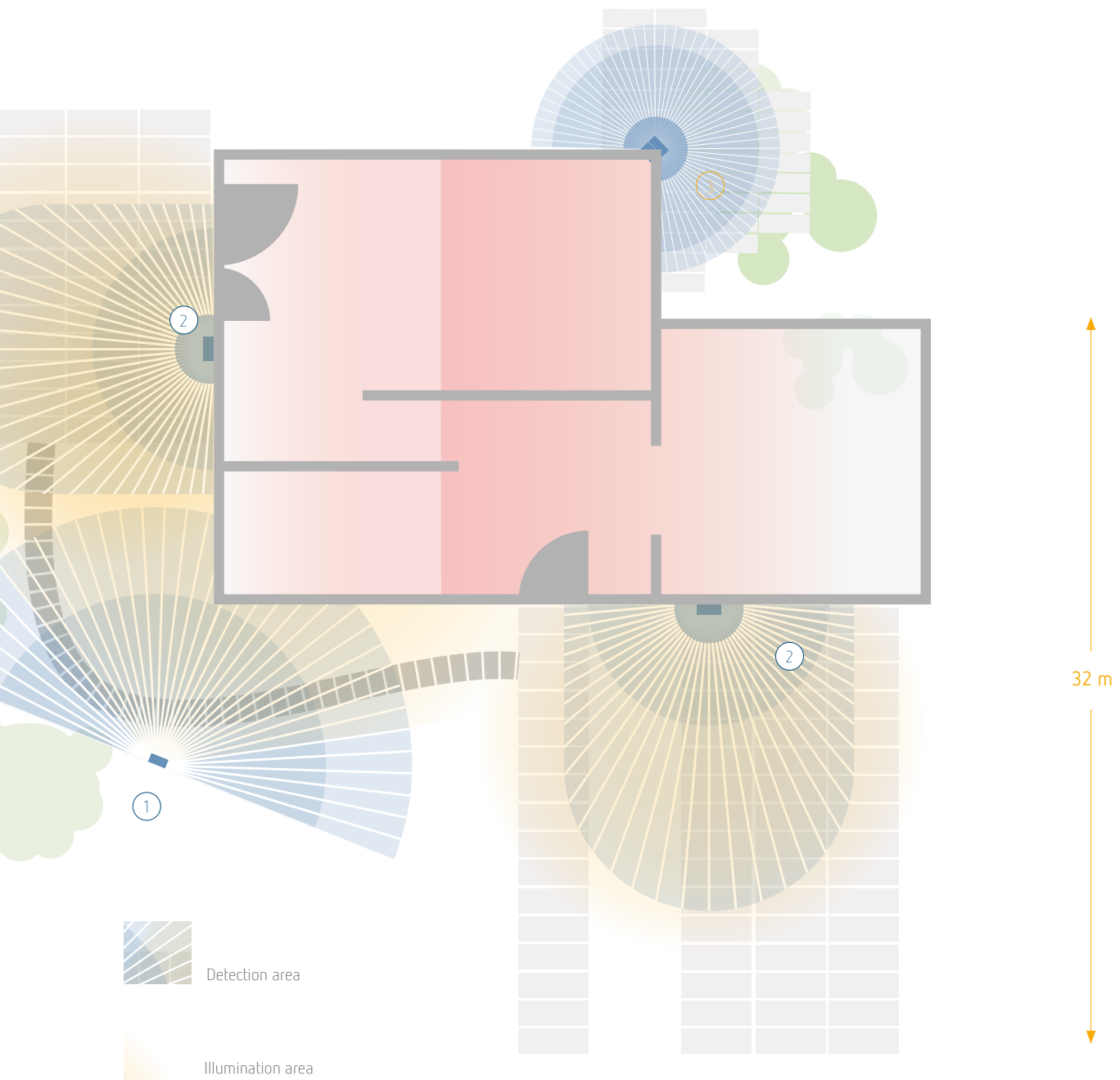
① theLeda D B plus S AL   ② theLeda D S AL   ③ theLuxa S360

Socket on
the rear

Practical corner
installation
possible

Private home application
Basement stairs, carports and entrances

7 m

3,5 m
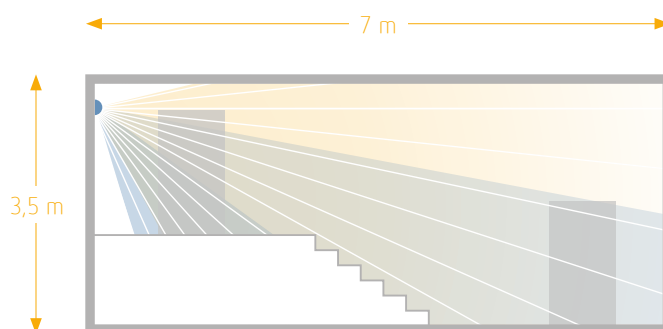
Basement stairs

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

6 m

5 m
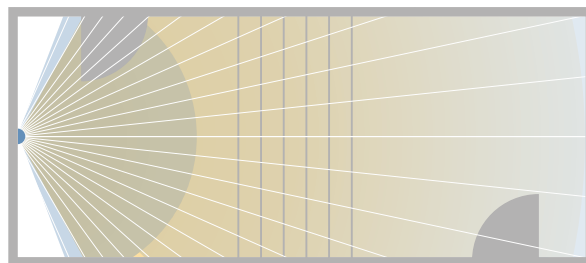
Gateway with carport

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.
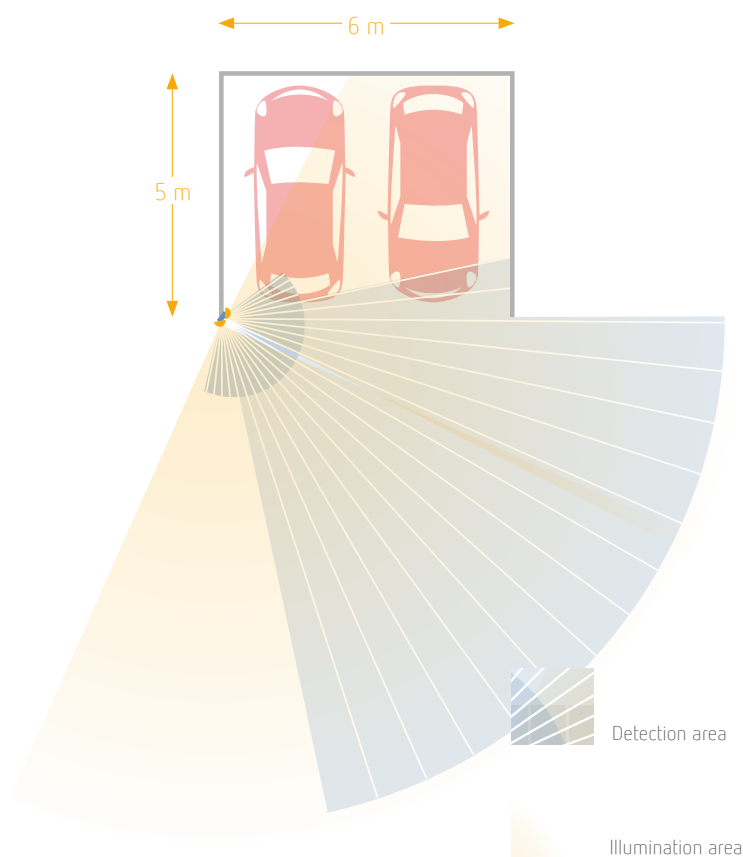
Detection area

Illumination area

We recommend theLeda S8-100 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 48

Alternative:

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

➲ Secure protection against tampering thanks to robust housing design with covered operating controls

➲ Large detection area of 180° and max. 12 m

➲ theLuxa R technical data: page 52

We recommend theLeda S17-100 WH:

➲ High-performance double LED spotlight

➲ Corner installation bracket (optional accessory) for optimum illumination of two facades

➲ Both spotlights can be aligned individually: one spotlight in the direction of the entrance or front door, the other one towards the carport

➲ theLeda S20 technical data: page 48

Practical corner installation possible

Alternative:

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

➲ Creep-under protection

➲ Time delay and lux value easily adjustable

➲ theLuxa technical data: page 52

theLeda S17-100 WH

theLuxa S150/S180

Garages and garage entrances

Underground car park

The lighting in an underground car park should be switched on with motion, either as a person enters the underground car park via the staircase or when a car comes in.
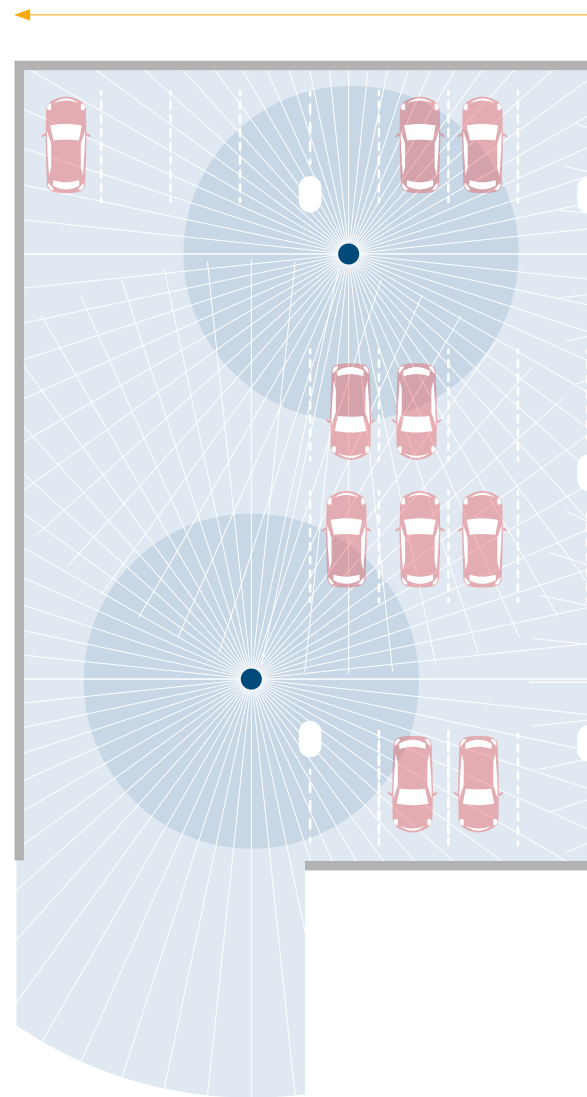
We recommend theLuxa S360:

- ➲ 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 Ø 32 m
- ➲ High protection rating of IP 55 (humidity in an underground car park is no problem)
- ➲ theLuxa S technical data: page 52

Practical pulse function

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 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 52

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 no problem)
- ➲ Large detection angle of 180° at 12 m range
- ➲ theLeda B technical data: page 50

80 m

42 m

Realisation with theLuxa S 360
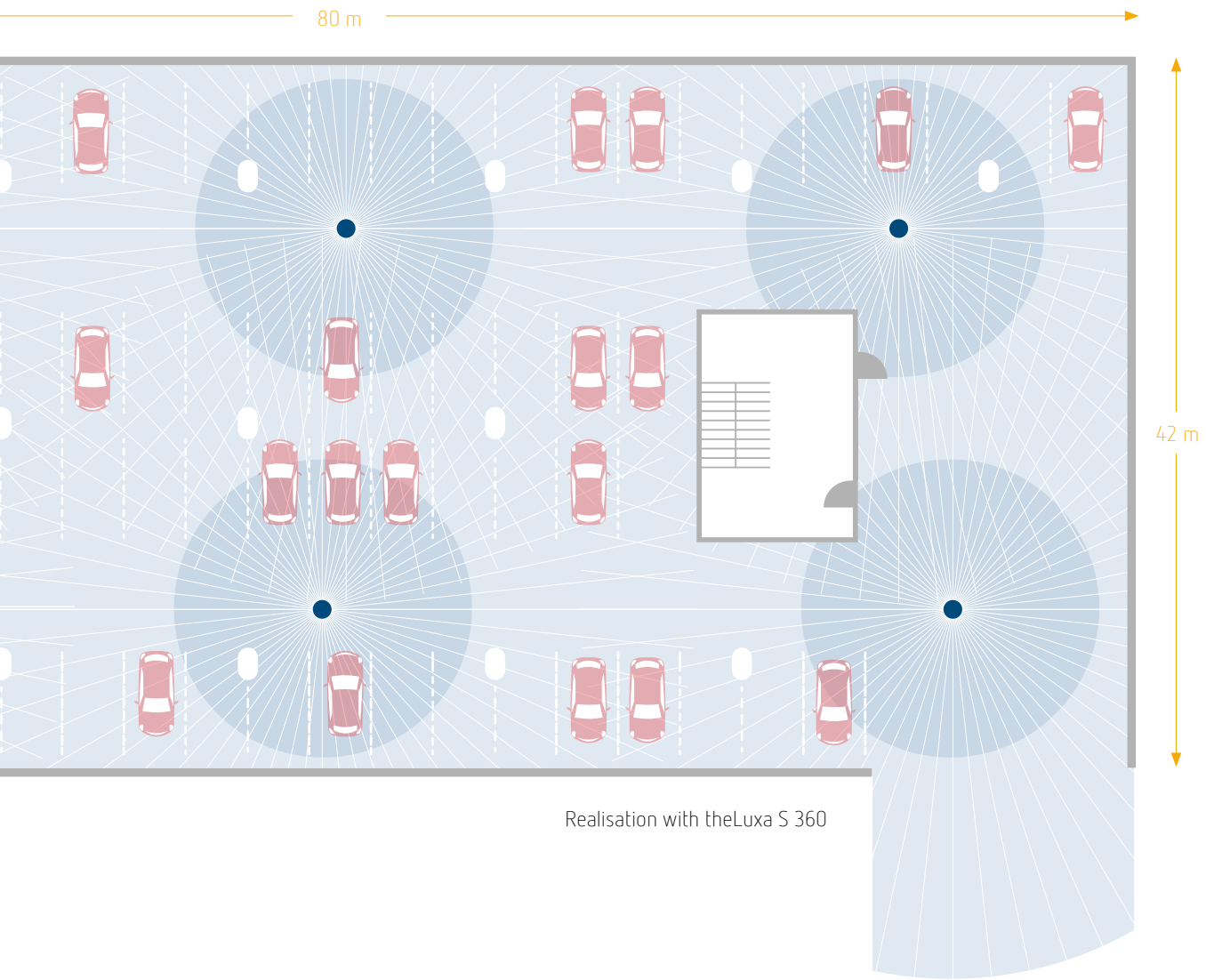
theLuxa S360

theLuxa R180

theLeda B with
motion module theLeda B WH

Solutions for hotels, hospitals and administration buildings

Garden and out-door installation

The motion-dependent illumination of the extensive park at a hotel with main building, dining room, several apartments and swimming pool is required.
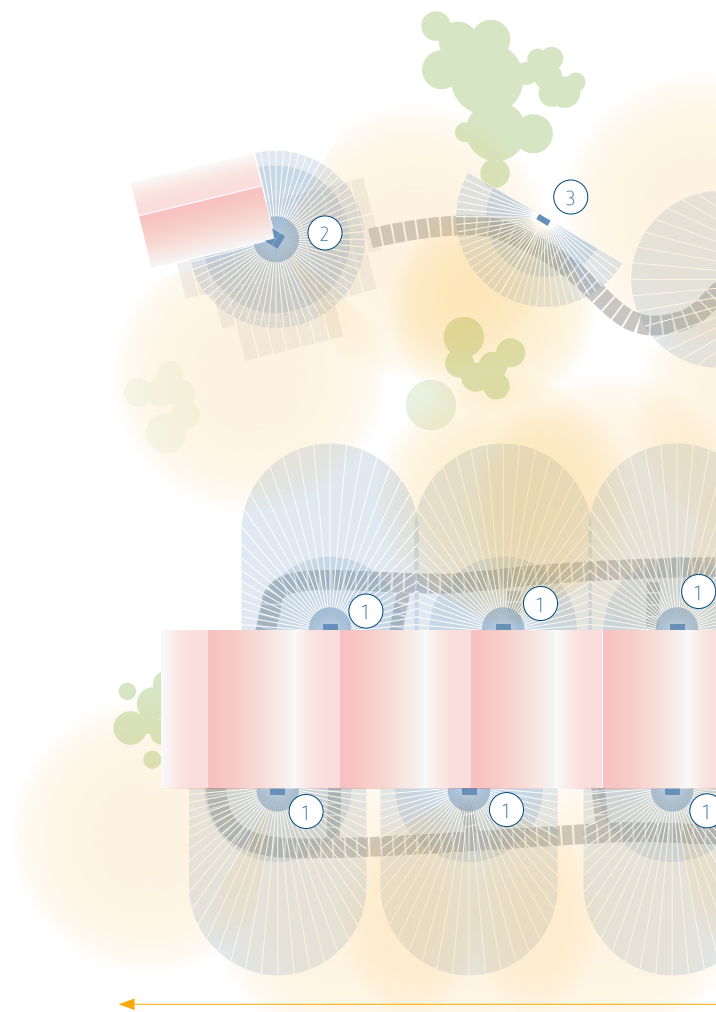
If there is no outdoor light, we recommend theLeda D SU AL:

➲ Stylish LED light 14 W with motion detector (PIR)

➲ High-quality housing made from anodised extruded-aluminium profiles

➲ Light emission at front (spot-light) and at top (up-light)

➲ Wireless connectivity

➲ theLeda D technical data: page 44

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 52

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 46

KNX High-performance KNX version theLuxa P300 KNX

Detection area   Illumination area

120 m

260 m
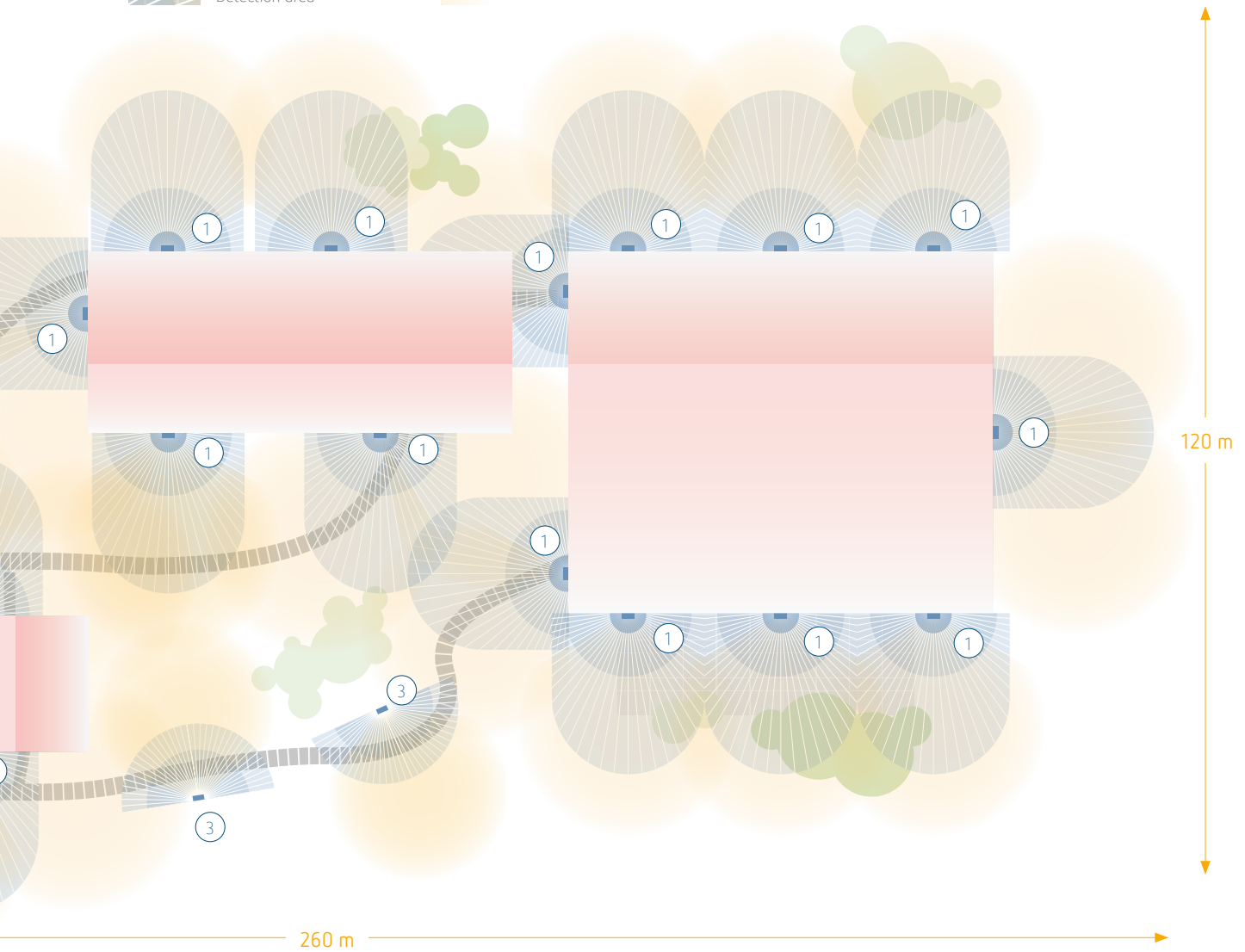
① theLeda D SU AL   ② theLuxa P300   ③ theLeda D B AL

Outside facilities of commercial and public 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.
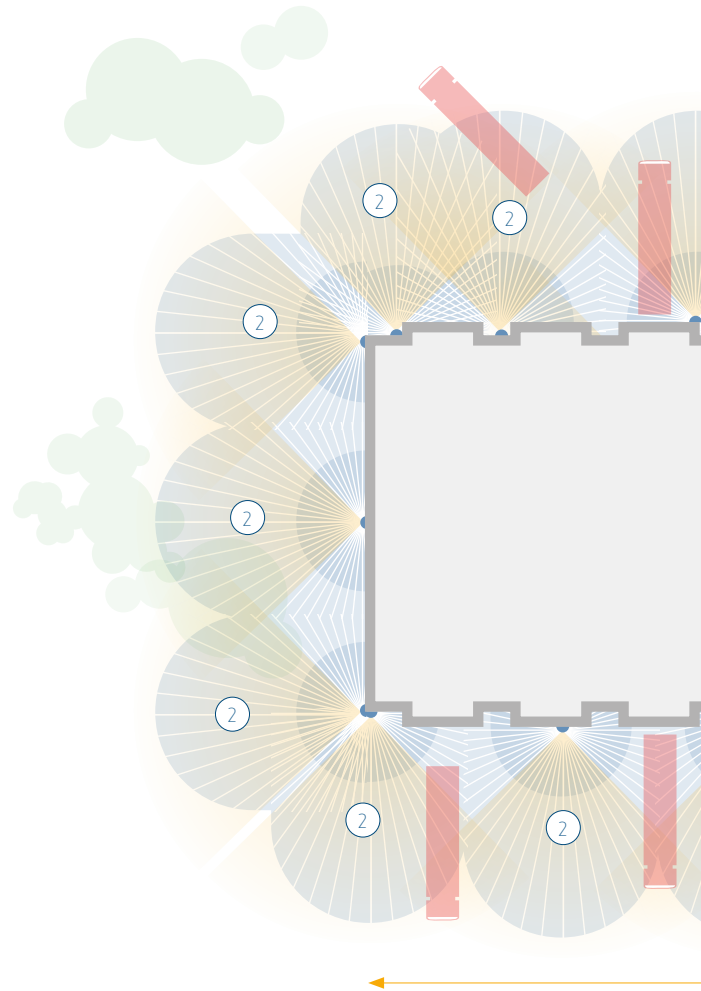
We recommend theLeda S17-100 WH
theLeda S17-100 is a powerful double LED spotlight that can come with or without a motion detector:

➜ Corner installation bracket (optional accessory) for optimum illumination of two facades

➜ Both spotlights can be aligned individually

➜ High protection rating of IP 55 (humidity is no problem)

➜ Detection angle of 180° at 10 m range

➜ theLeda S technical data: page 48

For flexible use, we recommend theLeda B100L WH with remote control:

➜ LED spotlight with flexible extension options thanks to optional module with motion detector including switch output or light sensor incl. switch output

➜ IP 65 protection class (IP 55 for the motion detector or light sensor accessories)

➜ Large detection angle of 180° with a range of 12 m

➜ Spotlight rotates through 360°

➜ theLeda B technical data: page 50

Master /
Master
switching

Detection area

Illumination area

2　2

2

2　2　2　2

2

1

37 m

1

1

2

84 m

1　1　1

2　2　2
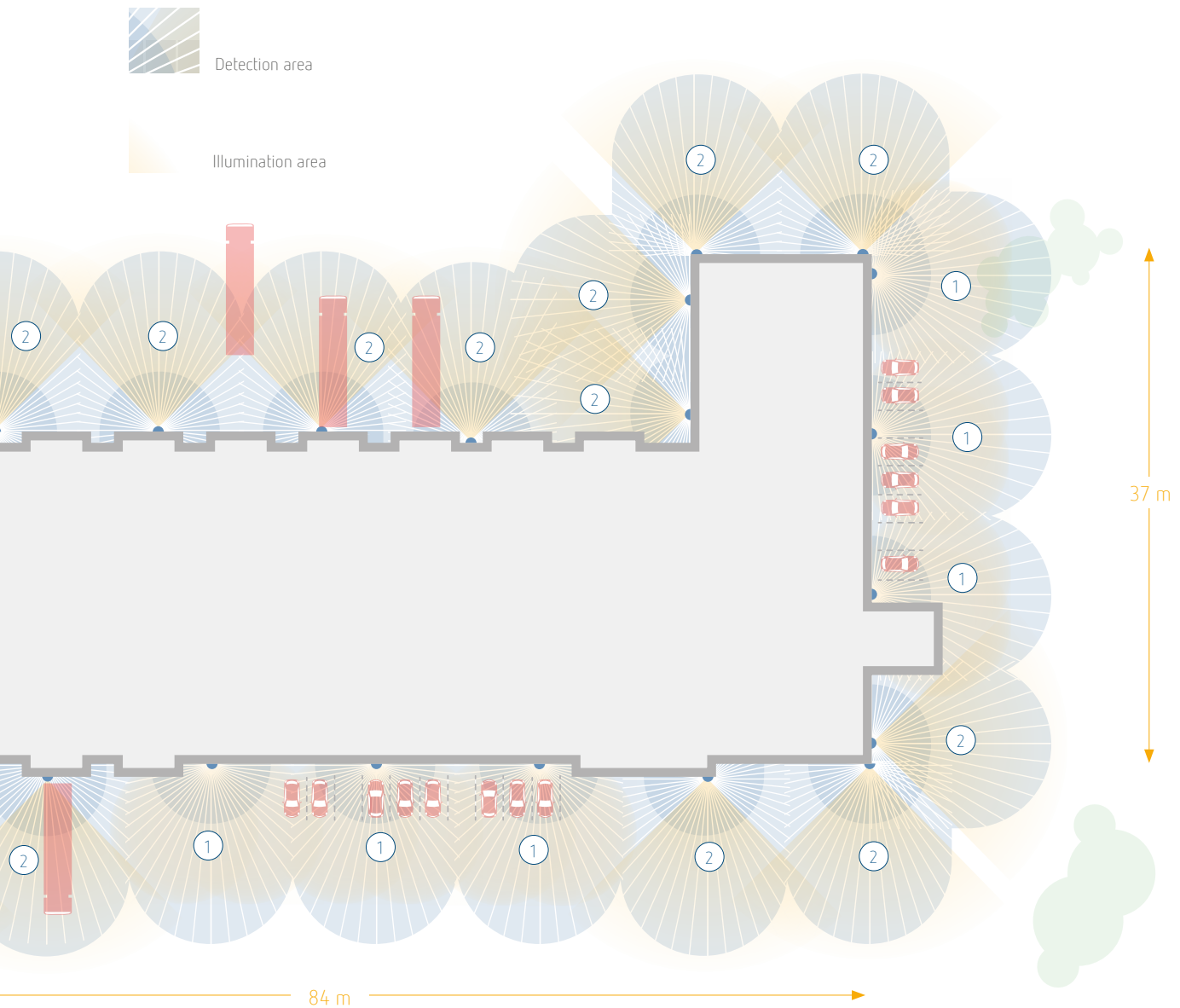
1　theLeda S17-100 WH

2　theLeda B100L WH

Technical data

LED light
theLeda D

GERMAN DESIGN AWARD SPECIAL 2019

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
Creep-under protection	Yes	Yes	Yes	No
Remote operation	Yes	Yes	Yes	Yes
Light emission	Spotlight (at front)	Spotlight/uplighter (at front/upwards)	Uplighter (upwards)	Uplighter/downlighter (up- and downwards)
Brightness setting range	2 – 800 lx or just presence-dependent	2 – 800 lx or just presence-dependent	2 – 800 lx or just presence-dependent	2 – 800 lx or just presence-dependent
Delay time	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
Mounting height	2,2 m	2,2 m	2,2 m	2,2 m
Networking	Wireless Master-Master and Master-Slave	Wireless Master-Master and Master-Slave	Wireless Master-Master and Master-Slave	Wireless Master-Master and Master-Slave
LED output (luminous flux)	8.5 W (760 lm)	14 W (760 lm | 475 lm)	8.5 W (760 lm)	11.5 W (2 x 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

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

Light distribution curves for download at **www.theben.de/en**

YouTube

	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 / upwards)	Uplighter (upwards)	Uplighter / downlighter (up- and downwards)
	–	–	–	–
	–	–	–	–
	–	–	–	–
	–	–	–	–
	–	–	–	–
	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 Master-Slave	Wireless Master-Slave	Wireless Master-Slave	Wireless Master-Slave
	8.5 W (760 lm)	14 W (760 lm | 475 lm)	8.5 W (760 lm)	11.5 W (2 x 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
	–	–	–	–
	–	–	–	–
	–	–	–	–

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LED bollard light
theLeda D

GERMAN DESIGN AWARD SPECIAL 2019

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
Creep-under protection	No	No
Remote operation	Yes	Yes
Light emission	Spotlight (at front)	Spotlight (at front)
Brightness setting range	2 – 800 lx or just presence-dependent	2 – 800 lx or just presence-dependent
Delay time	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
Networking	Wireless Master-Master and Master-Slave	Wireless Master-Master and Master-Slave
LED output (luminous flux)	8.5 W (760 lm)	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
Grounded socket	–	–

Item numbers

Item number	1020905	1020906

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

Light distribution curves for download at **www.theben.de/en**

Socket on the rear!

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	–	–
No	–	–
Yes	No	No
Spotlight (at front)	Spotlight (at front)	Spotlight (at front)
2–800 lx or just presence-dependent	–	–
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 Master-Master and Master-Slave	Wireless Master-Slave	Wireless Master-Slave
8.5 W (760 lm)	8.5 W (760 lm)	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	9070985

LED spotlight
theLeda S

Features	theLeda S8-100	theLeda S17-100
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	Yes	Yes
Remote operation	No	No
Exit-on function	Yes	Yes
Brightness setting range	2 – 500 lx or just presence-dependent	2 – 500 lx or just presence-dependent
Delay time	10 s – 30 min	10 s – 30 min
Test function	No	No
Standby output	< 0,4 W	< 0,4 W
Operating voltage	230 V AC	230 V AC
Frequency	50 Hz	50 Hz
Type of installation	Wall mounting	Wall mounting
Networking	Yes, by wire	Yes, by wire
Power LED (luminous flux)	900 lm	2 x 900 lm
Colour temperature	4000 K, neutral white	4000 K, neutral white
Adjustability of spotlight	Can be turned horizontally by ±40° Can be swivelled down by 70° Wall lighting can be turned by 180°	Can be turned horizontally by ±20° Can be swivelled down by 70°
Ambient temperature	-20°C ... 55°C	-20°C ... 55°C
Protection class	II	II
Protection rating	IP 55	IP 55

Item numbers

Item number white (WH, 4000 K, neutral white)	1020800	1020802
Item number black (BK, 4000 K, neutral white)	1020801	1020803

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

Light distribution curves for download at **www.theben.de/en**

	theLeda S8-100L	theLeda S17-100L
	LED spotlight without motion detector	LED spotlight without motion detector
	–	–
	–	–
	–	–
	No	No
	Yes	ja
	–	–
	–	–
	No	No
	230 V AC	230 V AC
	50 Hz	50 Hz
	Wall mounting	Wall mounting
	No	No
	900 lm	2 x 900 lm
	4000 K, neutral white	4000 K, neutral white
	Can be turned horizontally by ±40° Can be swivelled down by 70° Wall lighting can be turned by 180°	Can be turned horizontally by ±20° Can be swivelled down by 70°
	-20°C ... 55°C	-20°C ... 55°C
	II	II
	IP 55	IP 55
	1020600	1020602
	1020601	1020603
	9070969	9070969
	9070987	9070987
	9070971	9070971
	9070988	9070988

LED spotlight
theLeda B

Features	theLeda B20L	theLeda B30L
Version	LED spotlight, with optional motion sensor or lux sensor	
Operating voltage	230 V AC	230 V AC
Creep-under protection	No	No
Remote operation	No	No
Frequency	50 Hz	50 Hz
Type of installation	Ceiling installation & wall mounting	Ceiling installation & wall mounting
LED output (luminous flux)	20,5 W (2690 lm white / 2680 lm black)	29 W (3790 lm white / 3770 lm black)
Colour temperature	5000 K, neutral white	5000 K, neutral white
Adjustability of spotlight	Can be swivelled by 360°	Can be swivelled by 360°
Ambient temperature	−20 °C bis +40 °C	−20 °C bis +40 °C
Protection class	I (spotlight) / II (sensors)	I (spotlight) / II (sensors)
Protection rating	IP 65 (spotlight) / IP 55 (sensors)	IP 65 (spotlight) / IP 55 (sensors)

Item numbers

	theLeda B20L	theLeda B30L
Item number white (WH)	1020683	1020685
Item number black (BK)	1020684	1020686

Optional accessories: motion sensor
- Delay time: 5 s – 15 min
- Switch-on brightness can be set from 2 – 1.000 lux
- Additional light switch output
- IP 55 protection rating

	theLeda B20L	theLeda B30L
theLeda B motion sensor white	9070760	9070760
theLeda B motion sensor black	9070761	9070761

Optional accessories: light sensor
- Delay time: 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 B20L	theLeda B30L
theLeda B light sensor white	9070762	9070762
theLeda B light sensor black	9070763	9070763

Optional accessories: Motion module RC theLeda B (theLeda B remote control included)
- Delay time: 5 s – 15 min
- Switch-on brightness can be set from 2 – 1.000 lux
- Additional light switch output
- IP 55 protection rating

	theLeda B20L	theLeda B30L
Motion module RC theLeda B WH	9070800	9070800
Motion module RC theLeda B BK	9070801	9070801

Light distribution curves for download at **www.theben.de / en**

theLeda B50L

theLeda B100L W

	theLeda B50L	theLeda B100L W
	LED spotlight, with optional motion sensor or lux sensor	
	230 V AC	230 V AC
	No	No
	No	No
	50 Hz	50 Hz
	Ceiling installation & wall mounting	Ceiling installation & wall mounting
	45,5 W (6140 lm white / 6050 lm black)	1x 100 W (11.440 lm white / 11.250 lm black)
	5000 K, neutral white	3000 K, warm shite
	Can be swivelled by 360°	Can be swivelled by 360°
	-20 °C ... 40 °C	-20 °C ... 40 °C
	I (spotlight) / II (sensors)	I (spotlight) / II (sensors)
	IP 65 (spotlight) / IP 55 (sensors)	IP 65 (spotlight) / IP 55 (sensors)
	1020687	1020698
	1020688	1020699
	9070760	9070760
	9070761	9070761
	9070762	9070762
	9070763	9070763
	9070800	9070800
	9070801	9070801

Motion detector
theLuxa

Features	theLuxa R180	theLuxa S150	theLuxa S180
Operating voltage	230 V AC	230 V AC / 50 Hz	230 V AC / 50 Hz
Frequency	50 – 60 Hz	50 Hz	50 Hz
Detection angle	180°	150°	180°
Lateral detection area	12 m	12 m	12 m
Creep-under protection	Yes	Yes	Yes
Installation height	2.5 m	2 – 4 m	2 – 4 m
Type of installation	Wall mounting	Wall mounting	Wall mounting
Functions	Test function	pulse function, test function	
Brightness setting range	2 – 200 lx / ∞	5 – 1000 / ∞ lux	5 – 1000 / ∞ lux
Delay time	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
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	50 W	50 W
LED lamps > 2 W	500 W	500 W	500 W
Incandescent / halogen lamp load	2300 W	2300 W	2300 W
Low-voltage halogen lamps	–	2300 W	2300 W
Fluorescent lamps EB	–	1000 VA	1000 VA
Compact fluorescent lamps EB	500 W	250 W	250 W
Ambient temperature	− 25 °C to +45 °C	− 25 °C to +45 °C	− 25 °C to +45 °C
Protection class	II	II	II
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	–	–	–

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KNX

	theLuxa S360	theLuxa P220	theLuxa P300	theLuxa P300 KNX
	230 V AC / 50 Hz	230 V AC / 50 Hz	230 V AC / 50 Hz	KNX bus
	50 Hz	50 Hz	50 Hz	–
	360°	220°	300°	300°
	16 m	16 m	16 m	16 m
	Yes	Yes	Yes	Yes
	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
		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	–
	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	–
	50 W	60 W	60 W	–
	500 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
	II	II	II	II
	IP 66	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

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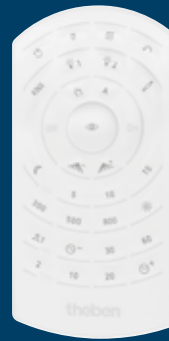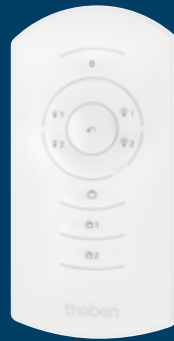
Features	theSenda S remote control	theSenda P remote control	theSenda B remote control with app-based control and luxmeter
Suitable for		theLeda D and theLuxa P	theLeda D
Item numbers			
Item number white (WH)	9070911	9070910	9070985
Item number black (BK)	–	–	–
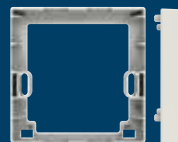
Features	theLeda corner bracket	theLeda surface-mount frame	theLuxa S corner bracket
Suitable for	theLeda S, D, theLuxa R	theLeda S,D, theLuxa R	theLuxa S150, S180 and S360
Item numbers			
Item number white (WH)	9070969	9070971	9070902
Item number black (BK)	9070987	9070988	9070903
Item number aluminium (AL)	9070970	9070972	–

theLeda B motion sensor	theLeda B lux sensor	Motion module RC theLeda B theLeda B remote control included)
theLeda B	theLeda B	theLeda B
9070760	9070762	9070800
9070761	9070763	9070801

theLuxa P corner bracket	theLuxa S surface-mount frame	theLuxa P spacer frame	theLeda D ground spike
theLuxa P220 and P300	theLuxa S150, S180 and S360	theLuxa P220 and P300	theLeda D
9070904	9070906	9070908	90707065
9070905	9070907	9070909	–
–	–	–	–

More information at:

www.theleda.com

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