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Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
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Сочи (862)225-72-31
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Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
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Россия (495)268-04-70

Казахстан (772)734-952-31


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Intelligent lighting and
sensor technology for professionals.
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Wireless Technology

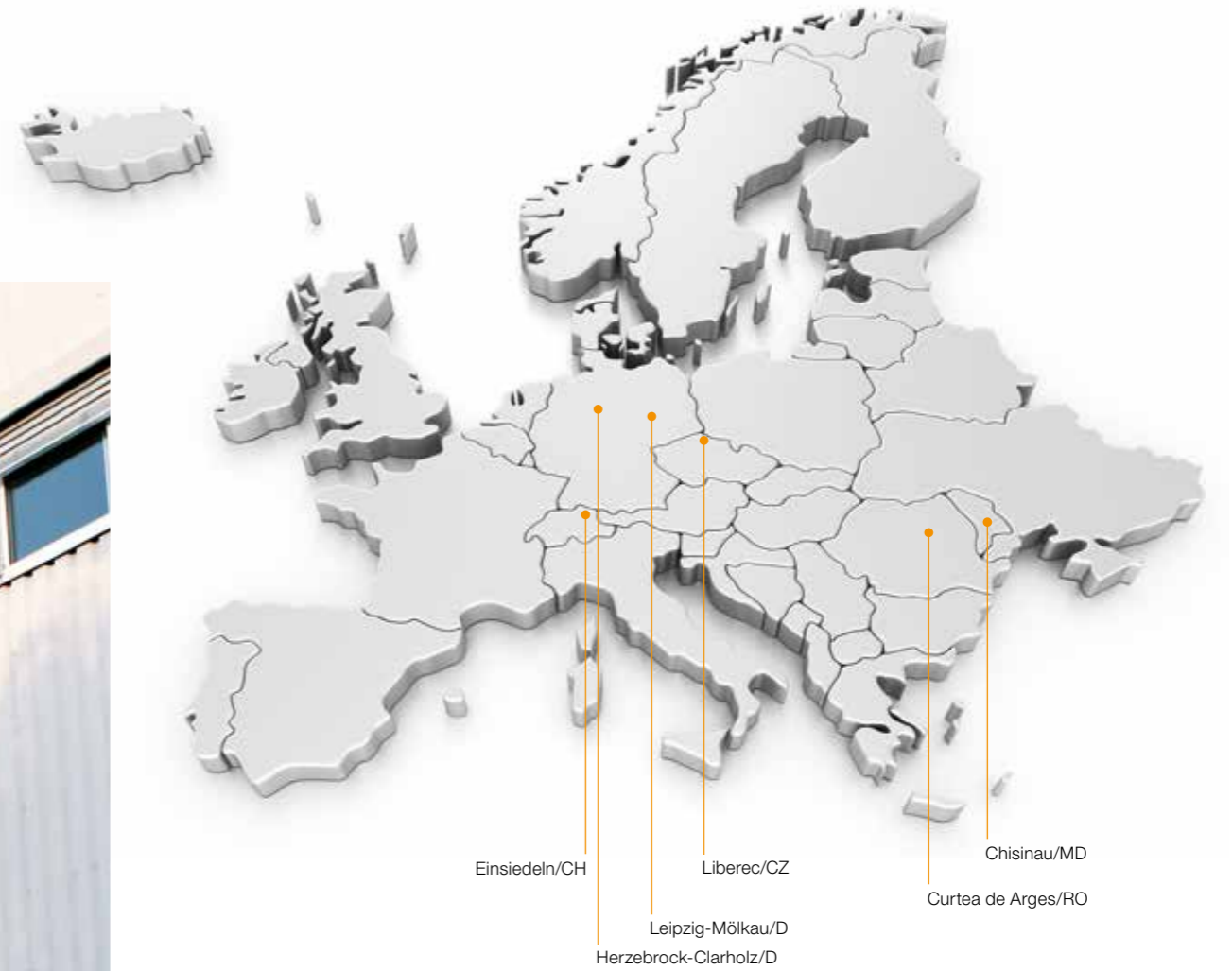
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It was back in 1959 that Heinrich Wolfgang Steinel founded the STEINEL company in Herzebrock-Clarholz. Since then, STEINEL has consistently evolved from pioneer to technology and innovation leader in sensor-controlled lighting.

Innovative and intelligent products of world renown are created at our own development centres in Germany, the Czech Republic and Switzerland. All products are manufactured by company-owned factories in Germany, Romania, the Republic of Moldova and Switzerland. Made in Europe is STEINEL's recipe for success.

STEINEL products make life easier, safer and greener. For instance, intelligent STEINEL sensor technology only pro-

vides light when it's actually needed - doing so all automatically and automatically OFF when it's no longer required. This saves energy and reduces CO₂ emissions. Combining sensor technology with innovative LED lighting can even make an energy saving of up to 90 %.

Responsibility towards mankind and Mother Nature is a firm component of the STEINEL production process. Meticulous attention is paid to meeting national and international guidelines in development and production. Including RoHS, the directive restricting the use of hazardous substances in electrical and electronic equipment. To us, responsibility is a commitment that's practised every day, covering every aspect of the way our company thinks and acts.

Precision



Measuring light at STEINEL's test centre

Only certified quality is professional quality.

STEINEL Professional sensor technology detects even the tiniest of movements, switching light on instantly. All products meet the most exacting expectations on accuracy, reliability and precision adjustability - in any environment.

STEINEL Professional quality is based on decades of experience, utmost care in production and meticulous inspection. A comprehensive quality management

system brings together all processes - development, production and testing - to create a flawless value chain. All STEINEL production facilities are regularly audited and certified by testing institutes, like TÜV, VDE or UL. All European directives, such as REACH, RoHS or EMV, are met. Needless to say, STEINEL Professional products and solutions carry national and international seals of approval, such as those from TÜV-GS, VDE and ENEC. STEINEL quality is professional quality - precise, reliable, robust and long-lived.

Production

A high level of vertical integration for maximum perfection.

STEINEL performs almost all processes itself. From A to Z, from developing, designing and manufacturing individual components to making the finished product. All work stages are perfectly co-ordinated - everything flows smoothly. Keeping the entire production process in-house brings flexibility and independence. Independence that provides a sound basis for precision and lasting quality.

All products are manufactured exclusively in STEINEL's own audited factories in Leipzig, Switzerland, Romania and the Republic of Moldova. The Leipzig plant moulds all plastic components and even compounds the plastic material for this in-house. STEINEL's tool and die-making facility is also at home in Leipzig. STEINEL's centre of excellence for complex electronics is located at the Swiss operation in Einsiedeln. This is where state-of-the-art facilities automatically fit components to the

printed circuit boards at a rate of up to a thousand a minute. This production service is provided for the whole STEINEL Group. The plants in Romania and the Republic of Moldova carry out all of the other steps in manufacturing right up to the product packaging.

The STEINEL Group is run from corporate headquarters at Herzebrock-Clarholz in the German state of North Rhine-Westphalia. A European company with roots in Germany.



STEINEL through and through: We manufacture in-house, right down to the electronic components.

On an energy efficiency mission

Send a clear signal.

Use energy more efficiently.

Bringing down the high level of energy consumed across the globe is one of the biggest challenges facing the 21st century. About 20% of electrical energy used world-wide goes on lighting. At 55 %, the share of electricity costs for lighting in commercially used buildings is even higher.

It is STEINEL's mission to make an active contribution to reducing the global emission of harmful substances and conserve our planet's resources. We do this by developing intelligent, energy-efficient lighting solutions that help to protect our climate. Send a clear signal with STEINEL Professional. For more energy efficiency and less CO₂.



Less energy consumption from greater lighting efficiency: light only when it's needed - all automatically!

Sensor technology from STEINEL Professional switches light ON when someone approaches or enters and spends time in a room fitted with motion or presence detectors. And it makes sure that light is switched OFF automatically when it's no longer needed. Using innovative LED lighting in conjunction with sensor technology generates additional potential savings. Combining both technologies in a lighting solution can reduce the amount of electricity used by as much as 90 %.

Use STEINEL Professional to set standards in planning the lighting in office buildings, hotels, public buildings, classrooms and conference halls, stairwells, corridors, multi-storey car parks, public conveniences and swimming baths, company premises, outdoor facilities and other areas. And, of course, also in private building projects and refurbishments. It's in your hands.



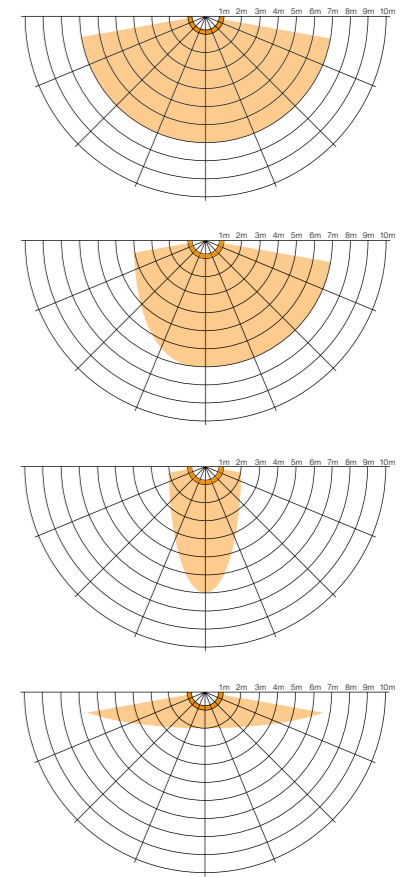
The iHF 3D is the ideal detector for outdoors. Detection can be precision-adjusted to human walking movements on three axes up to a reach of 1-7 m.

High-frequency sensor systems for outdoors.
In a new dimension.



iHF 3D

Examples of the detection zone that can be adjusted on three axes



Forget everything you already know about outdoors sensors.

The iHF 3D, the first high-frequency motion detector for outdoors, is a technological quantum leap. The use of intelligent high-frequency technology puts an end to inadvertent triggering once and for all. And the neighbour's cat or other stray animals leave the iHF 3D cold too. Because the high-frequency motion detector confidently distinguishes between people and animals. Added to this is the high-precision, intuitive adjustability of the detection zone. In short: yet another veritable milestone. Yet again from STEINEL.




iHF 3D

Makes all the difference outside. Precisely where you want it to.

No omissions, no compromises, no errors. The iHF 3D is the perfect motion detector for outdoors. Whether on facades, carports, patios or car parks – the intelligent high-frequency sensor only switches light on when it's really needed. Firstly, because it can distinguish human movements from the movements made by bushes, small animals and rain. And secondly, because users can set the maximum detection radius of 7 metres in all three dimensions with absolute precision to suit their particular needs. And in any weather.



 intelligent high frequency sensor 160°

 3 zones scalable 1–7 m max.

2000w
max.

KNX

 IP 54

 2m

 2–2000 lux

 10 sec–30 min

 manual override

TEACH
mode

 energy saving

5 JAHRE GARANTIE
functional warranty

EAN iHF 3D, white	4007841 007577
EAN iHF 3D, anthracite	4007841 007591
EAN iHF 3D, black	4007841 007584
EAN iHF 3D, KNX, white	4007841 007607
EAN iHF 3D, KNX, anthracite	4007841 007621
EAN iHF 3D, KNX, black	4007841 007614



You will find technical specifications on KNX products in the KNX brochure

Type	Motion detector
Dimensions (H x W x D)	120 x 117 x 120 mm
Power supply	220–240 V, 50 / 60 Hz
Sensor technology	iHF (intelligent high-frequency technology)
Transmitter power	approx. 1 mW
HF system	5.8 GHz
Where to use	Outdoors
Recommended installation height	2 m
Output (resistive load, e.g. ordinary lamps)	max. 2000W, 230V
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	max. 1000VA, 230V
Output (series-corrected)	max. 500VA, 120V
Output (parallel corrected, with C ≤ 45.6 μF)	-
Output (electr. ballasts, capac., e.g. low-energy lamps)	max. 800A / 200μs
	30x (1 x 18W), 25x (2 x 18W),
	25x (1 x 36W), 15x (2 x 36W),
	20x (1 x 58W), 10x (2 x 58W)
Angle of coverage	160°
Reach	1–7 m max.
Capability of masking out individual segments	Detection zone can be adjusted on 3 axes
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (with optional remote control RC9)
Twilight setting	2–2000 lx
Time setting	10 sec – 30 min
IP rating	IP54
Enclosure	UV-resistant plastic
Temperature range	-20 to +50°C
Accessory included	IR remote control RC9

Optional accessories

EAN remote control Smart Remote 4007841 009151
Refer to the 'Accessories' section for further information.



Control unit for adjusting the detection zone in 3 axes



Control dials behind the designer trim panel



iHF sensor protected in the enclosure



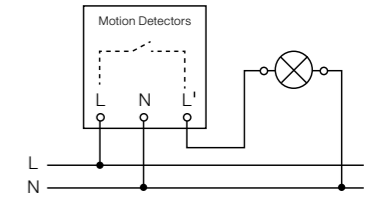
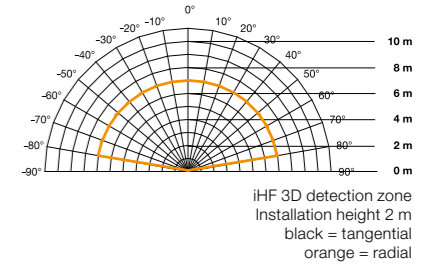
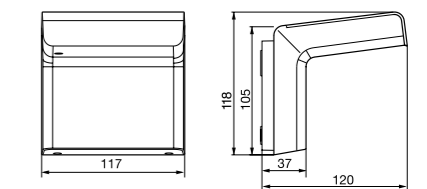
UV-resistant plastic



Includes RC9 remote control



Optional Smart Remote refer to page 250



Also suitable for parallel operating mode. Intrinsic-light detection.

Further circuit diagrams starting on page 284



High end – in perfect shape.
sensIQ.



sensIQ



sensIQ



sensIQ S

Indoors	•	•
Outdoors	•	•
For the wall	•	•
For the ceiling	•	
For corners	•	•
Mounting height	2.00 – 5.00 m	2.00 – 5.00 m
Switching capacity	max. 2500 W	max. 2000 W
Angle of coverage	300°	300°
Reach	max. 20 m	max. 20 m
Corner wall mount	included	included
Page	26	28

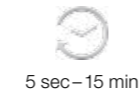
The sensIQ infrared motion detector is the premium class for you. In terms of technology and design, it combines the best of both worlds. The sensIQ is the first motion detector to meet all demands and coverage angles from 200° to 300° in a highly intelligent way. Particularly smart: detection reach can be adjusted in three separate directions to an accuracy of one metre via setting screws directly on the unit. The time and twilight threshold is equally as easy to adjust – either on the device itself or via Smart Remote or remote control. The eNet version of the sensIQ permits integration into existing eNet wireless networks, and the range can also be extended with the floating module.

The sensIQ is a professional through and through - this instantly becomes obvious even at the time of installation: the large terminal compartment is fitter-friendly and makes short work of mounting it on the wall or ceiling.

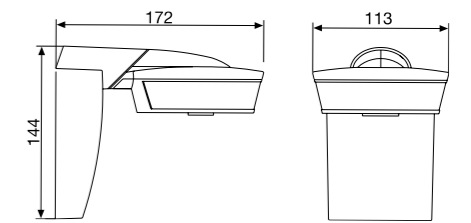
The sensIQ also sets design standards. It has received prizes from international design institutions, including the coveted iF Design Award. It has also been nominated for Germany's highest official design accolade, the German Design Award.

**The king of motion detectors.
Reference class all round.**

Most motion detectors sit around inconspicuously on a wall or ceiling. Not so the sensIQ. Its design is so spectacular that it is a stylish signature on any facade, automatically attracting admiring glances. Behind its internationally acclaimed form is intelligent technology that puts virtually everything else in the shade. Unmatched: the detection reach of the four pyro sensors can easily be scaled in three directions using control dials – instead of shrouds of the type normally used on most other motion detectors. The floating module permits further functions, and you can use the newly available eNet version to integrate the sensor into existing eNet wireless networks. On this note: Welcome to the world of almost endless possibilities!

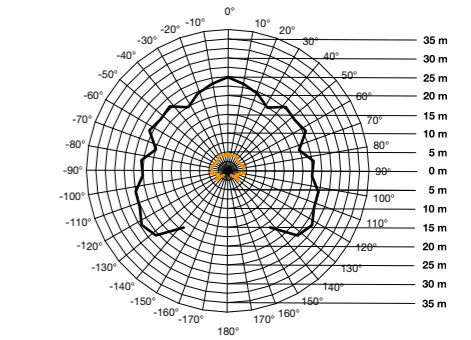


EAN sensIQ, white	4007841 029562
EAN sensIQ, stainless steel	4007841 029586
EAN sensIQ, black	4007841 029579
EAN sensIQ KNX, white	4007841 029593
EAN sensIQ KNX, stainless steel	4007841 029616
EAN sensIQ KNX, black	4007841 029609
EAN sensIQ eNet, white	4007841 020439
EAN sensIQ eNet, stainless steel	4007841 020415
EAN sensIQ, eNet, black	4007841 020422

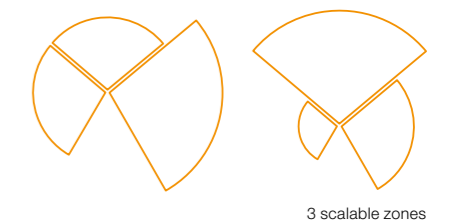


**You will find technical specifications on KNX products in the KNX brochure.
You will find the eNet version on page 247.**

Type Motion detector
 Dimensions (H x W x D) 144 x 113 x 172 mm
 Power supply 220–240V, 50 / 60Hz (max. 2.5mm²)
 Sensor type Passive infrared
 Where to use Indoors and outdoors
 Installation Wall, ceiling, corner
 Recommended installation height 2.00 - 5.00 m
 Output max. 2500 W (resistive load),
 max. 8 fluorescent lamps / LED lamps, C ≤ 176 µF
 max. 500 VA (cos φ = 0.5)
 Angle of coverage 300° with 180° angle of aperture
 Capability of masking out individual segments Yes
 Sneak-by guard / coverage directly below the sensor Yes
 Reach Can be adjusted in 3 directions via control dial,
 (max. 2–20m tangential, temperature-stabilised)
 Sensor system 4 sensors, 6 detection levels for long-distance detection
 and 5 for sneak-by protection, 1360 switching zones
 Twilight setting 2–2000 lx
 Time setting 5 sec - 15 min, pulse mode (approx. 2 sec)
 Manual override Selectable, 4 h
 IP rating IP54
 Temperature range -20 to +50°C
 Accessories included Corner wall mount and IR remote control RC9

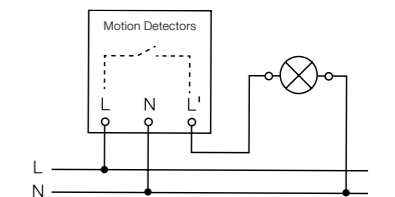


Detection zone for sensIQ mounted at a height of 2.5 m
 black = tangential walking direction
 orange = radial walking direction



Optional accessories

EAN floating module MPF 1 4007841 609115
 EAN remote control Smart Remote 4007841 009151
 Refer to the 'Accessories' section for further information.



Also suitable for parallel operating mode.
 Further circuit diagrams starting on page 284



4x pyro system 	Suitable for mounting on ceilings 	UV-resistant plastic 	Including corner wall mount 	Remote control RC9 included 	Optional Smart Remote refer to page 250
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sensIQ S

The evolution of perfection.

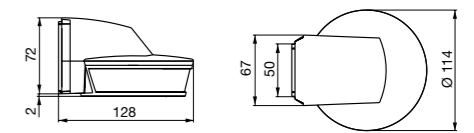
The reference in compact design.

Handsome addition! The sensIQ S is just as perfect in form and functional diversity as its larger role model. A look that architects like. This designer motion detector was developed specifically for wall mounting though. Being altogether more compact than its big brother, the sensIQ S nestles up against the facade, perfectly harmonising with modern, purist architecture. Its inner values are spectacular too because it comes with the same highly intelligent features and setting options as the sensIQ.



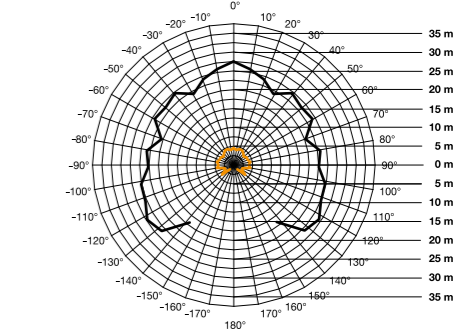
-  infrared sensor
3 x 100°
-  3 zones scalable
2–20 m
-  2000w
max.
-  KNX
-  IP 54
-  2–5 m
-  2–2000 lux
+daylight operation
-  5 sec–15 min
-  TEACH
mode
-  energy
saving
-  5 JAHRE
GARANTIE
functional
warranty

- EAN sensIQ S, white 4007841 003944
- EAN sensIQ S, stainless steel 4007841 003968
- EAN sensIQ S, black 4007841 003951
- EAN sensIQ S, KNX, white 4007841 004064
- EAN sensIQ S, KNX, stainless steel 4007841 004040
- EAN sensIQ S, KNX, black 4007841 004057

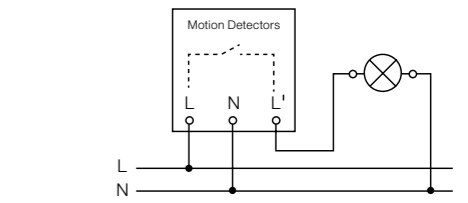
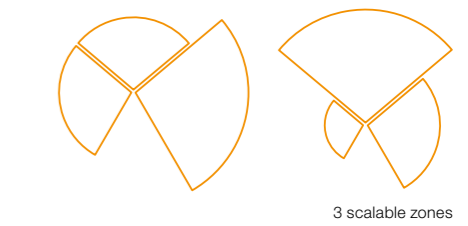


You will find technical specifications on KNX products in the KNX brochure

Type Motion detector
 Dimensions (H x W x D) 114x74x128mm
 Power supply 100–240V, 50 / 60Hz (max. 2.5mm²)
 Sensor type Passive infrared
 Where to use Indoors and outdoors
 Installation Wall, corner
 Recommended installation height 2.00–5.00 m
 Output (resistive load, e.g. ordinary lamp) max. 2000 W at 230 V
 max. 1200W at 120V
 Output (uncorrected, inductive,
 cos φ = 0.5, e.g. fluorescent lamps) max. 1000VA at 230V
 max. 500VA at 120V
 Inrush current max. 800 A / 200 μs
 Electronic ballast 30x (1x18W), 25x (2x18W)
 25x (1x36W), 15x (2x36W)
 20x (1x58W), 10x (2x58W)
 Angle of coverage 300° with 180° angle of aperture
 Capability of masking out individual segments Yes
 Sneak-by guard / coverage directly below the sensor Yes
 Reach Can be adjusted in 3 directions via control dial
 (max. 2–20 m tangential, temperature-stabilised)
 Sensor system 4 sensors, 6 detection levels for long-distance detection
 and 5 for sneak-by protection, 1360 switching zones
 Twilight setting 2–2000lx
 Time setting 5 sec – 15 min, pulse mode (approx. 2 sec)
 Manual override selectable, 4 h
 Light permanently OFF selectable
 IP rating IP54
 Temperature range -20 to +50°C
 Accessories included. Corner wall mount and IR remote control RC9



Detection zone for sensIQ S mounted at a height of 2.5 m
 black = tangential walking direction
 orange = radial walking direction



Also suitable for parallel operating mode.
 Further circuit diagrams starting on page 284

Optional accessories

- EAN remote control Smart Remote 4007841 009151
- Refer to the 'Accessories' section for further information.





IS 3360



Indoors	•	•	•	•	•	•	•	•
Outdoors	•	•			•		•	
For the wall	•			•			•	
For the ceiling		•	•	•	•	•	•	•
For corridors					•	•		
Mounting height	2.00 m	2.50–4.00m	4.00–14.00m	2.00 – 2.80 m	2.50–5.00m	4.00–14.00m	–	max. 4.00m
Switching capacity	max. 2000 W	max. 2000 W	max. 2000 W	max. 2000 W	max. 2000 W	max. 2000 W	max. 2000 W	max. 2000 W
Angle of coverage	180°	360°	360°	360°	Aisle	Aisle	diffuse	diffuse and directed
Reach	4-8m, 8-20m	max. 20m	max. 18m	max. 8 m	max. 23 x 6 m	max. 30 x 4 m		
Corner wall mount	optional			optional			optional	
Special features	swivelling multi-lens			temp.-indep. detection				
Page	36	38	40	42	44	46	48	50

For all interfaces. For even more freedom.

The 3000 series.

Because demand for our sensors is growing and growing, we have aligned our 3000 series with the needs of our customers and complemented our range. There are now surface-mounted and concealed versions of all sensors and, wherever it makes sense, round instead of square casings. The true innovation, however, is greater compatibility with the main interfaces. Whether COM1, PF, DALI, KNX or LiveLink - with our 3000 series, even the largest plan can be turned into reality with the least amount of effort. And we are particularly proud of this: in connection with our Smart Remote remote control, configuration and control can now be performed simply and conveniently via tablet or smartphone.

3000 Series

8 sensors. 4 designs.
5 interfaces. 79 products.

- Best and largest range of sensors on the market
- Sensor detection for every application
- Optimised for all mounting options
- All of the main interfaces available
- Intuitive setting via Smart Remote
- Automatically switches OFF when there is sufficient daylight (presence detector logic)



Smart Remote



IS 3180



IS 3360



IS 3360 MX Highbay



HF 3360



IS 345



IS 345 MX Highbay



NM 5000-3



Light Sensor Dual

Concealed installation, round									
COM1		•			•	•			
PF		•			•	•			
KNX		•			•	•			•
DALI		•			•	•			
Concealed installation, square									
COM1		•	•		•	•	•		
PF		•	•		•	•	•		
KNX		•	•		•	•	•		•
DALI		•	•		•	•	•		
Surface-mounted installation, round									
COM1		•			•	•			
PF		•			•	•			
KNX		•			•	•			•
DALI		•			•	•			
Surface-mounted installation, square									
COM1	•	•	•		•	•	•	• white + black	
PF	•	•	•		•	•	•		
KNX	•	•	•		•	•	•		•
DALI	•	•	•		•	•	•	• white + black	
LiveLink			•				•		•



**Great performers for industry and business.
100% surveillance over an area of up to 500 m².**

These sensors are the perfect choice when it comes to protecting industrial and business premises and making them secure. It is important to have far-sighted guards that instantly respond to any movement. The IS 3180 is made for the job. The IP54 rating reliably protects its inner values: featuring top-calibre components such as two precision modular pyro sensors and a multi-lens, it watches over almost every last inch of areas measuring a good 500 m². The concealed installation sensor that combines everything that's important to electrical fitters and security personnel.



EAN IS 3180, COM1	4007841 009113
EAN IS 3180, PF	4007841 010508
EAN IS 3180, DALI	4007841 010553
EAN IS 3180 KNX	4007841 011628



You will find information on the interfaces from page 52 onwards.

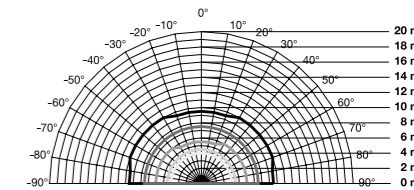
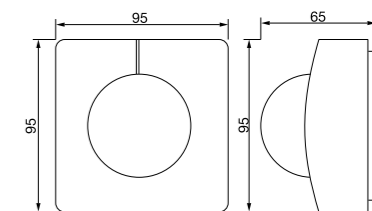
You will find technical specifications on KNX products in the KNX brochure.

Type	Motion detector
Dimensions (H x W x D)	95 x 95 x 65 mm
Power supply, COM1 / PF / DALI	220–240V, 50 / 60Hz
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall, corner
Recommended installation height	2.00 m
Output, COM1	max. 2000W, max. 8 fluorescent lamps / LED lamps, C ≤ 176 µF
Output PF	no SELV, max. 10 A, 240 V AC / 24 V DC, min. 100 mA, 12 V AC/DC
Output, DALI	1x 2-conductor DALI control line / broadcast for 30 electronic ballasts
Angle of coverage	180° with 90° angle of aperture
Capability of masking out individual segments	Yes
Reach	Basic setting 1: 8–20m tangential; temperature-stabilised Basic setting 2: max. 4–8m, temperature-stabilised. + precision adjustment by re-positioning the lens and using shrouds
Sensor system	7 detection levels, 448 switching zones
Twilight setting	2–1000 lx
Teach function for twilight setting	Yes
Time setting COM1 / PF	5 sec - 15 min, pulse mode (approx. 2 sec)
Time setting DALI	5 sec - 15 min
DALI user-friendly function	Basic light level 10–30 min, all night 10–50%
Manual override	Selectable, 4 h
IP rating	IP54
Temperature range	-20 to +50°C

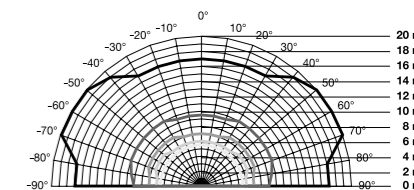
Optional accessories

EAN corner wall mount 04, white	4007841 035174
EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151

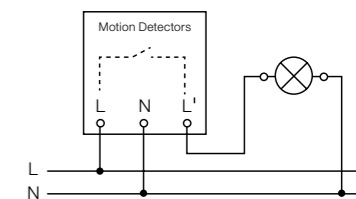
Refer to the 'Accessories' section for further information.



Detection zone IS3180 mounted at a height of 2 m, tangential walking direction, 8 m lens

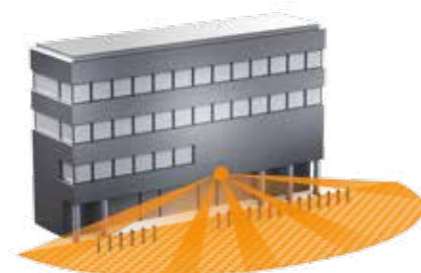


Detection zone IS3180 mounted at a height of 2 m, tangential walking direction, 20 m lens



Also suitable for parallel operating mode. Intrinsic-light detection.

Further circuit diagrams starting on page 284



UV-resistant plastic



Large terminal compartment



Optional corner wall mount 04 available

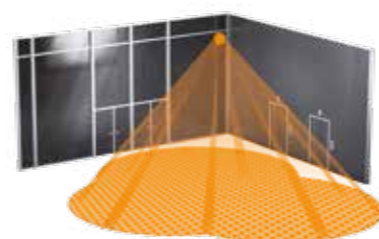


Optional remote controls see page 252



**With far-sightedness.
And all-round vision.**

Large spaces, multi-storey car parks and production buildings with ceiling heights of up to 4 m rarely provide installation surfaces every metre. These environments call for motion detectors with a long reach. Like the IS 3360. It detects any tangential movement within 20 metres. Even installed at heights of up to 4 metres. In short: one IS 3360 covers an area of more than 1000 m²! STEINEL infrared technology that keeps its promises.



IS 3360

Surf.-mounted inst. . . . square (65x95x95 mm) . round (65xØ126 mm)

EAN COM1	4007841 010478	4007841 033446
EAN PF	4007841 010515	4007841 033477
EAN DALI	4007841 010560	4007841 033507
EAN KNX	4007841 011635	4007841 033538

Concealed inst. square (78x94x94 mm) . round (78xØ124 mm)

EAN COM1	4007841 033460	4007841 033453
EAN PF	4007841 033491	4007841 033484
EAN DALI	4007841 033514	4007841 033521
EAN KNX	4007841 033545	4007841 033552

You will find information on the interfaces from page 52 onwards.

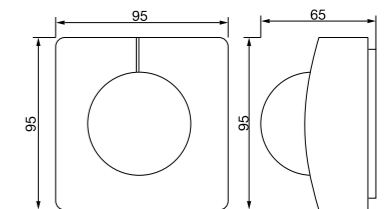
You will find technical specifications on KNX products in the KNX brochure.

Type	Motion detector
Power supply, COM1 / PF / DALI	220-240V, 50 / 60Hz
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Ceiling
Recommended installation height	2.50 - 4.00 m
Output, COM1	max. 2000W, max. 8 fluorescent lamps /
. . . . .	. . . . . LED lamps, C ≤ 176 µF
Output PF	no SELV, max. 10 A, 240 V AC / 24 V DC,
. . . . .	. . . . . min. 100 mA, 12 V AC/DC
Output, DALI	1x 2-conductor DALI control line /
. . . . .	. . . . . broadcast for 30 electronic ballasts
Angle of coverage	360° with 180° angle of aperture
Capability of masking out individual segments	Yes
Reach	max. 20m tangential; temperature-stabilised
. . . . .	. . . . . + precision adjustment using shrouds
Sensor system	11 detection levels, 1416 switching zones
Twilight setting	2-1000 lx
Teach function for twilight setting	Yes
Time setting COM1 / PF	5 sec - 15 min, pulse mode (approx. 2 sec)
Time setting DALI	5 sec - 15 min
DALI user-friendly function	Basic light level 10-30 min, all night 10-50%
Manual override	Selectable, 4 h
IP rating	Concealed installation: IP20 / surface-mounted installation: IP54
Temperature range	-20 to +50°C

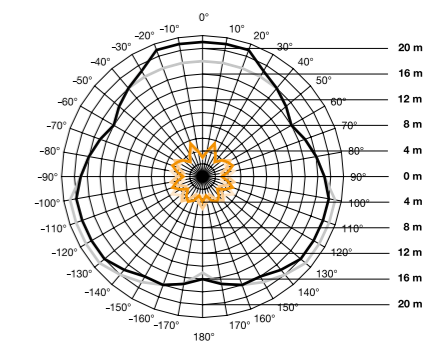
Optional accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151

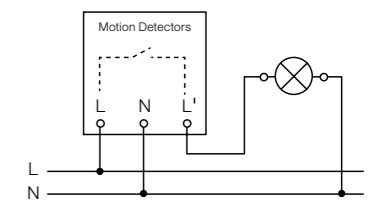
Refer to the 'Accessories' section for further information.



Surface-mounted installation, square
For further designs, see page 54



Detection zone for IS3360
Precision adjustment by re-positioning the lens
black = tangential walking direction
orange = radial walking direction



Also suitable for parallel operating mode.
Intrinsic-light detection.

Further circuit diagrams starting on page 284

UV-resistant plastic

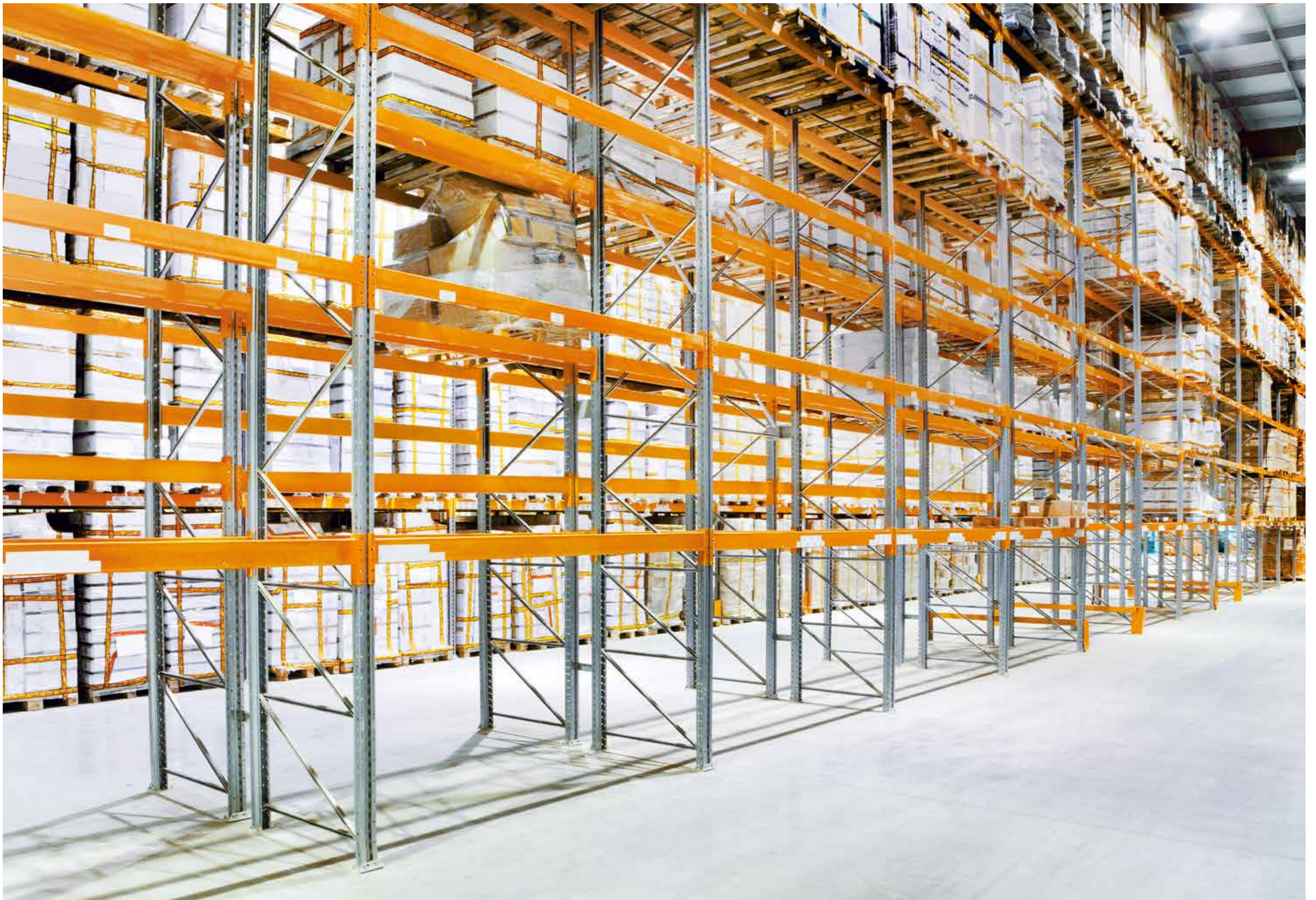


Large terminal compartment (surface-mounted installation only)



Optional remote controls see page 252



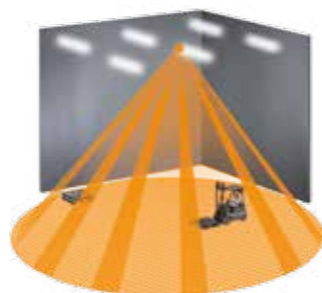


Maximum reach at great heights: the IS 3360 MX Highbay is ideal for high-bay warehouses.

IS 3360 MX Highbay

A head for heights. Powerful reach. Reliable.

The ceilings are generally quite high in industrial halls and business premises. Good to know then that even high ceilings do not present a problem to the IS 3360 MX Highbay. The long-reach motion detector has an extra-large detection zone and remains absolutely alert even when it is installed at a height of up to 14 metres. The IS 3360 MX Highbay is highly reliable.



IS 3360 MX Highbay

Surface-mounted installation square (65x95x95 mm)

EAN COM1	4007841 033569
EAN PF	4007841 033583
EAN DALI	4007841 010577
EAN KNX	4007841 011642
EAN LiveLink	4007841 009724

Concealed installation square (78x94x94 mm)

EAN COM1	4007841 033576
EAN PF	4007841 033590
EAN DALI	4007841 033606
EAN KNX	4007841 033613

You will find information on the interfaces from page 52 onwards.

You will find the LiveLink version on page 146.

You will find technical specifications on KNX products in the KNX brochure.

Type	Motion detector
Power supply, COM1 / PF / DALI	220-240V, 50 / 60Hz
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	4.00 - 14.00 m
Output, COM1	max. 2000W, max. 8 fluorescent lamps / LED lamps, C ≤ 176 µF
Output PF	no SELV, max. 10 A, 240 V AC / 24 V DC, min. 100 mA, 12 V AC/DC
Output, DALI	1x 2-conductor DALI control line / broadcast for 30 electronic ballasts
Angle of coverage	360° with 180° angle of aperture
Capability of masking out individual segments	Yes
Reach	max. 18m tangential; temperature-stabilised + precision adjustment using shrouds
Sensor system	11 detection levels, 1416 switching zones
Twilight setting	2-1000 lx
Teach function for twilight setting	Yes
Time setting COM1 / PF	5 sec - 15 min, pulse mode (approx. 2 sec)
Time setting DALI	5 sec - 15 min
DALI user-friendly function	Basic light level 10-30 min, all night 10-50%
Manual override	Selectable, 4 h
IP rating	Concealed installation: IP20 / surface-mounted installation: IP54
Temperature range	-20 to +50°C

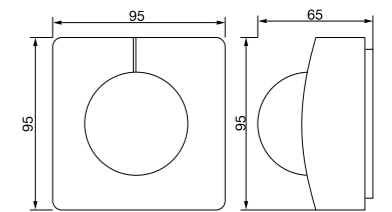
Optional accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151

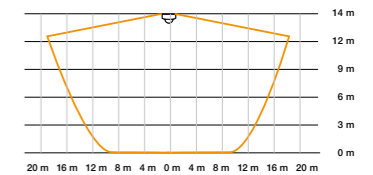
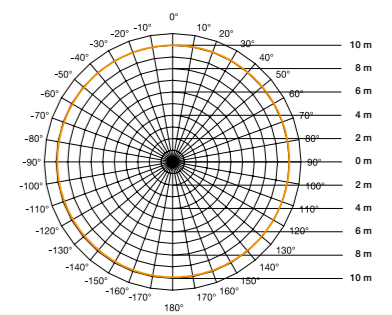
Refer to the 'Accessories' section for further information.



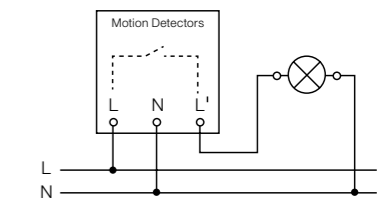
Surface-mounted installation, square Concealed installation, square



Surface-mounted installation, square
For further designs, see page 54



IS 3360 MX Highbay detection zone
Installation height: 14 m
orange = tangential walking direction



Also suitable for parallel operating mode.
Intrinsic-light detection.

Further circuit diagrams starting on page 284

UV-resistant plastic



Large terminal compartment (surface-mounted installation only)



Optional remote controls see page 252



It detects simply everything.

Very fast and if required over 2 storeys.

High-frequency technology is the perfect alternative in areas that can pose problems for temperature-based infrared sensors. This makes the HF 3360 the ideal solution if you want to automate lighting in winding basement corridors, stairwells or multi-storey car parks. It detects the smallest of movements reliably and precisely and ensures the perfect automatic lighting control - even in stairwells over two storeys high. The HF 3360 is also ideal for all entrance areas because light is switched ON as soon as the sensor detects the door opening. Available in surface-mounted and concealed installation versions, and, naturally, compatible with the standard interfaces.



-  high frequency sensor 360°
-  max. Ø 8m
-  2000w max.
-  DALI
-  KNX
-  IP54/
IP20
-  2-2,8m
-  2-1000 lux
-  5 sec-15 min
-  **TEACH**
mode
-  energy saving
-  **5 JAHRE GARANTIE**
functional warranty

HF 3360

Surf.-mounted inst. square (52x95x95 mm) . . . round (52xØ126 mm)

EAN COM1	4007841 011734	4007841 033668
EAN PF	4007841 010546	4007841 033699
EAN DALI	4007841 011604	4007841 033736
EAN KNX	4007841 011673	4007841 033767

Concealed inst. square (64x94x94 mm) . . . round (64xØ124 mm)

EAN COM1	4007841 033675	4007841 033682
EAN PF	4007841 033705	4007841 033712
EAN DALI	4007841 033743	4007841 033750
EAN KNX	4007841 033774	4007841 033781

You will find information on the interfaces from page 52 onwards.

You will find technical specifications on KNX products in the KNX brochure.

Type	Motion detector
Power supply, COM1/PF / DALI	220-240V, 50 / 60Hz
Sensor type	High frequency
Where to use	Indoors
Installation	Wall, ceiling, corner
Recommended installation height	2.00 - 2.80 m
Output, COM1	max. 2000W, max. 8 fluorescent lamps / LED lamps, C ≤ 176 µF
Output PF	no SELV, max. 10 A, 240 V AC / 24 V DC, min. 100 mA, 12 V AC/DC
Output, DALI	1x 2-conductor DALI control line / broadcast for 30 electronic ballasts
Angle of coverage	360° with 140° angle of aperture also through glass, wood and stud walls
Reach	max. Ø 8 m, infinitely variable
Sensor system	High-frequency 5.8GHz (transmitter power < 1 mW)
Twilight setting	2-1000 lx
Teach function for twilight setting	Yes
Time setting COM1 / PF	5 sec - 15 min, pulse mode (approx. 2 sec)
Time setting DALI	5 sec - 15 min
DALI user-friendly function	Basic light level 10-30 min, all night 10-50%
Manual override	Selectable, 4 h
IP rating	Concealed installation: IP20 / surface-mounted installation: IP54
Temperature range	-20 to +50°C

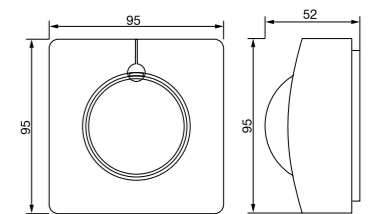
Optional accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151
EAN corner wall mount 04, white	4007841 035174
EAN corner wall mount 04, black	4007841 648015

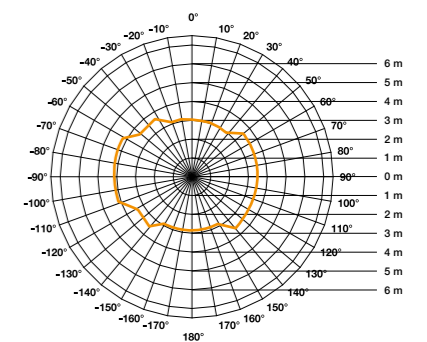
Refer to the 'Accessories' section for further information.



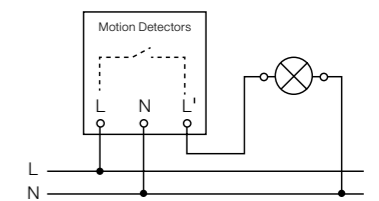
Surface-mounted installation, square Surface-mounted installation, round Concealed installation, square Concealed installation, round



Surface-mounted installation, square
For further designs, see page 54



Detection zone for HF3360 mounted at a height of 2.8 m
orange = radial walking direction



Also suitable for parallel operating mode.
Intrinsic-light detection.

Further circuit diagrams starting on page 284



UV-resistant plastic



Large terminal compartment (surface-mounted installation only)



Optional corner wall mount 04 available

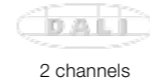


Optional remote controls see page 252



**Pioneering sensor technology.
Targeted detection.**

Aisles and long corridors place special demands on sensor performance. The detection area of the sensor must be narrow, but long. Only in this way can the fewest possible sensors cover sections of the greatest possible length. Tried and proven over and over again, the IS 345 is the specialist for indoor applications of this type. It is specially designed for detection in corridors and has an angle of aperture of 45°. This means that it can watch over an area of up to 23 x 6 metres tangentially.



IS 345

Surf.-mounted inst. square (65x95x95 mm) . . . round (65xØ126 mm)

EAN COM1	4007841 010485	4007841 033798
EAN PF	4007841 010539	4007841 033828
EAN DALI	4007841 010584	4007841 033859
EAN KNX	4007841 011659	4007841 033880

Concealed inst. square (78x94x94 mm) . . . round (78xØ124 mm)

EAN COM1	4007841 033804	4007841 033811
EAN PF	4007841 033835	4007841 033842
EAN DALI	4007841 033866	4007841 033873
EAN KNX	4007841 033897	4007841 033903

You will find information on the interfaces from page 52 onwards.

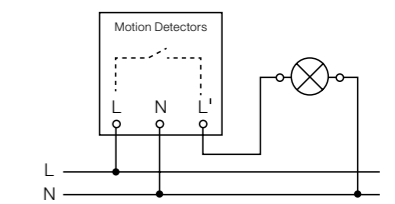
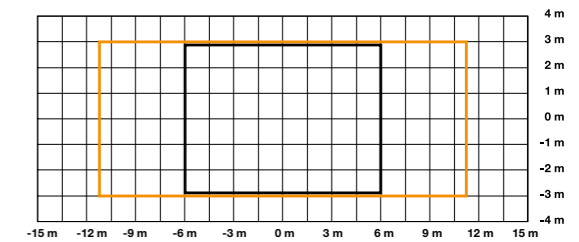
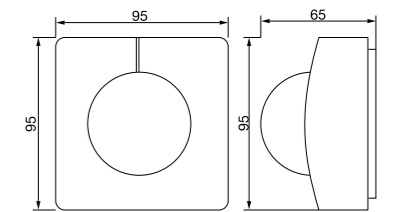
You will find technical specifications on KNX products in the KNX brochure.

Type	Motion detector
Power supply, COM1/PF / DALI	220–240V, 50 / 60Hz
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Ceiling, corridor
Recommended installation height	2.50 - 5.00 m
Output, COM1	max. 2000W, max. 8 fluorescent lamps / LED lamps, C ≤ 176 µF
Output PF	no SELV, max. 10 A, 240 V AC / 24 V DC, min. 100 mA, 12 V AC/DC
Output, DALI	1x 2-conductor DALI control line / broadcast for 30 electronic ballasts
Angle of coverage	Corridor
Capability of masking out individual segments	Yes
Reach	max. 23x6m (tangential), max. 12x6m (radial); Precision adjustment by re-positioning the lens and using shrouds
Sensor system	5 detection levels, 280 switching zones
Twilight setting	2–1000 lx
Teach function for twilight setting	Yes
Time setting COM1 / PF	5 sec - 15 min, pulse mode (approx. 2 sec)
Time setting DALI	5 sec - 15 min
DALI user-friendly function	Basic light level 10–30 min, all night 10–50%
Manual override	Selectable, 4 h
IP rating	Concealed installation: IP20 / surface-mounted installation: IP54
Temperature range	-20 to +50°C

Optional accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151

Refer to the 'Accessories' section for further information.



Further circuit diagrams starting on page 284



IS 345 MX Highbay

The specialist for high-bay warehouses.
And the highest level of surveillance quality.

High-bay warehouses often have narrow aisles and high ceilings. Too high for most sensors. We have just the right solution: the IS 345 MX Highbay infrared motion detector was specially developed for mounting at heights of up to 14 m and for precision detection between narrow aisles. Perched up there, it gives you surveillance quality at the highest level, literally. So in the future, you can confidently set your sights higher when it comes to sensor systems. Now also available for concealed installation.



IS 345 MX Highbay

Surface-mounted installation square (65x95x95 mm)

EAN COM14007841 010492

EAN PF4007841 010522

EAN DALI4007841 010591

EAN KNX4007841 011666

EAN LiveLink4007841 009731

Concealed installation square (78x94x94 mm)

EAN COM14007841 033910

EAN PF4007841 033927

EAN DALI4007841 033934

EAN KNX4007841 033941

You will find information on the interfaces from 52 onwards.

You will find the LiveLink version on page 146.

You will find technical specifications on KNX products in the KNX brochure.

Type Motion detector

Power supply, COM1/PF / DALI 220-240V, 50 / 60Hz

Sensor type Passive infrared

Where to use Indoors

Installation Ceiling, corridor

Recommended installation height 4.00 - 14.00 m

Output, COM1max. 2000W, max. 8 fluorescent lamps /

. LED lamps, C ≤ 176 µF

Output PFno SELV, max. 10 A, 240 V AC / 24 V DC,

.min. 100 mA, 12 V AC/DC

Output, DALI 1x 2-conductor DALI control line /

. broadcast for 30 electronic ballasts

Angle of coverage Corridor

Capability of masking out individual segments Yes

Reach max. 30x4m (radial) mounted at a height of 12m;

. temperature-stabilised. Precision adjustment using shrouds

Sensor system 5 detection levels, 280 switching zones

Twilight setting 2-1000 lx

Teach function for twilight setting Yes

Time setting COM1 / PF. 5 sec - 15 min, pulse mode (approx. 2 sec)

Time setting DALI. 5 sec - 15 min

DALI user-friendly function. . . Basic light level 10-30 min, all night 10-50%

Manual override Selectable, 4 h

IP rating . . Concealed installation: IP20 / surface-mounted installation: IP54

Temperature range -20 to +50°C

Optional accessories

EAN user remote control RC5 4007841 592806

EAN service remote control RC8 4007841 559410

EAN remote control Smart Remote 4007841 009151

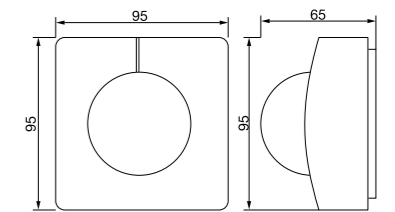
Refer to the 'Accessories' section for further information.



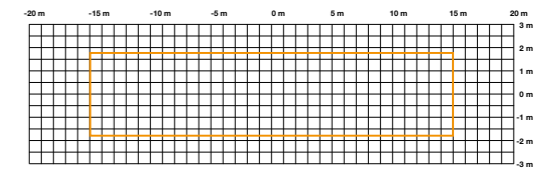
Surface-mounted installation, square



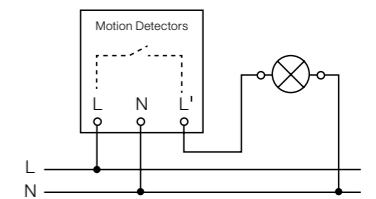
Concealed installation, square



Surface-mounted installation, square
For further designs, see page xxx



Detection zone for IS345 MX Highbay mounted at a height of 12.5 m
orange = radial walking direction



Also suitable for parallel operating mode.
Intrinsic-light detection.

Further circuit diagrams starting on page 284

UV-resistant plastic



Large terminal compartment (surface-mounted installation only)



Optional remote controls see page 252



NightMatic 5000-3

Night illumination as the mood dictates. And exactly so.

Lighting generates emotions. Dramatic shop windows staged with lighting accents, and hoardings or building facades attract the attention of the observer and project the image of the owner. All automatically. Whenever the day goes to sleep, NightMatic 5000-3 wakes up and controls the finest lighting effects. Exactly when it really makes sense to and is wanted, thanks to the numerous setting options. On the technical side, the NightMatic 5000-3 comes with innovative, diffuse light measurement. This detects the level of light in its entire surrounding, taking better measurements than conventional light sensors. A must for budget-conscious management accountants and electricians.



Twilight switch + eco-mode

2000W
max.



IP 54



2-1000 lux

5 JAHRE GARANTIE
functional warranty

EAN NightMatic 5000-3, COM1, white	4007841 011697
EAN NightMatic 5000-3, DALI, white	4007841 011703
EAN NightMatic 5000-3, COM1, black	4007841 011680
EAN NightMatic 5000-3, DALI, black	4007841 033729



You will find information on the interfaces from page 52 onwards

Type	Photo-cell controller
Dimensions (H x W x D)	95 x 95 x 42 mm
Power supply	220-240V, 50 / 60Hz
Where to use	Indoors and outdoors
Installation	Wall
Output, COM1	max. 2000W, max. 8 fluorescent lamps / LED lamps, C ≤ 176 µF
Output, DALI	1x 2-conductor DALI control line / broadcast for 30 electronic ballasts
Twilight setting	2-1000 lx
Night economy mode	variable night OFF time
Setting	Light ON or OFF in the morning
IP rating	IP54
Temperature range	-20 to +50°C

Optional accessories

EAN corner wall mount 04, white	4007841 035174
EAN corner wall mount 04, black	4007841 648015
EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151

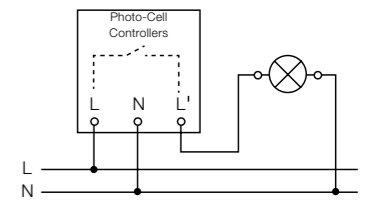
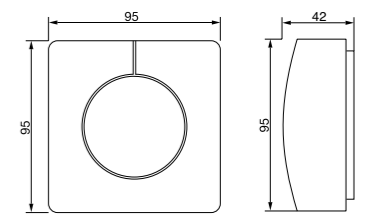
Refer to the 'Accessories' section for further information.



white



black



Also suitable for parallel operating mode. Intrinsic-light detection.

Further circuit diagrams starting on page 284



UV-resistant plastic



Large terminal compartment



Optional corner wall mount 04 available



Optional remote controls see page 252



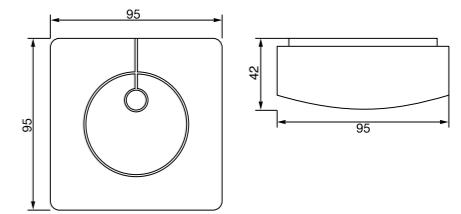
Light Sensor Dual

The duality of light measurement.

No matter whether directed or diffuse measurements are needed - both work with the Light Sensor Dual. The challenge must not be underestimated. To obtain usable information on the lighting situation in a room, it is not sufficient to simply determine the general brightness. It is important to use a combination of measuring the light level at the desk, for example, and determining diffuse room brightness. This way, errors can be ruled out for better lighting control. And the STEINEL Light Sensor Dual is simply perfect for this.



EAN Light Sensor Dual KNX (surface-mounted installation, square)	4007841 011727
EAN Light Sensor Dual KNX (surface-mounted installation, round)	4007841 033644
EAN Light Sensor Dual KNX (concealed installation, square)	4007841 033637
EAN Light Sensor Dual KNX (concealed installation, round)	4007841 033651
EAN Light Sensor Dual LiveLink (surface-mounted installation, square)	4007841 009762



You will find information on the interfaces from page 52 onwards.
You will find the LiveLink version on page 146.
You will find technical specifications on KNX products in the KNX brochure.

Type	Photo-cell controller
Dimensions (H x W x D)	42 x 95 x 95 mm
Where to use	Indoors
Installation	Ceiling
Recommended installation height	4.00 m
Angle of coverage	directed and diffuse
Twilight setting	2–1000 lx
IP rating	IP54
Temperature range	0 to +40°C

Optional accessories

EAN service remote control RC6 KNX.	4007841 593018
EAN IR user remote control RC7 KNX.	4007841 592912
EAN remote control Smart Remote	4007841 009151

Refer to the 'Accessories' section for further information.



3000-Series Interfaces

For all interfaces.
For even more freedom.

Because demand for our sensors is growing and growing, we have aligned our 3000 series with the needs of our customers and complemented our range. There are now surface-mounted and concealed versions of all sensors

and, wherever it makes sense, round instead of square casings. The true innovation, however, is greater compatibility with the main interfaces. Whether COM1, PF, DALI, KNX or LiveLink - with our 3000 series, even the largest plan can be turned into reality with the least amount of effort. And we

are particularly proud of this: in connection with our Smart Remote remote control, configuration and control can now be performed simply and conveniently via tablet or smartphone.

COM1

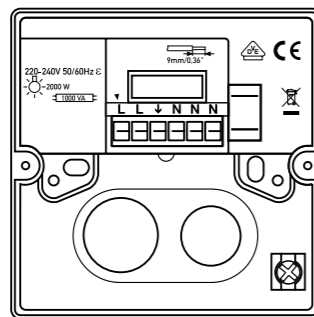
Switching light

Power supply
 220-240 V, 50 / 60 Hz

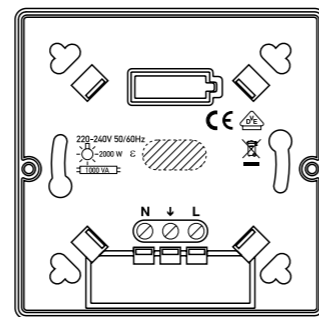
Output
 Incandescent lamps, max. 2000 W at 230 V AC
 Fluorescent tube, max. 1000 W at $\cos \phi = 0.5$, inductive load at 230 V AC
 8 x max. 58 W, $C \leq 176 \mu F$ at 230 V AC

Time setting
 5 s - 15 min + pulse mode (approx. 2 s)

Surface-mounted installation



Concealed installation



PF

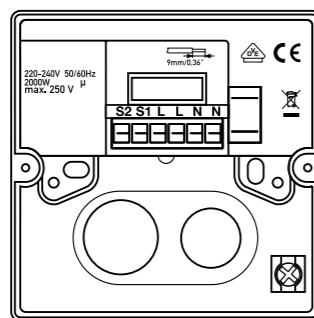
Switching a floating relay

Power supply
 220-240 V, 50 / 60 Hz

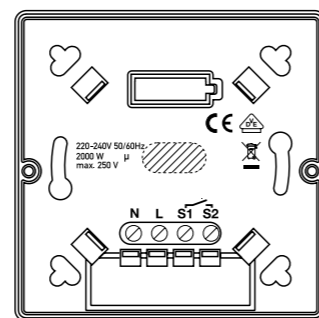
Output
 Non SELV, max. 10 A, 240 V AC/24 V DC, min. 100 mA, 12 V AC/DC

Time setting
 5 s - 15 min + pulse mode (approx. 2 s)

Surface-mounted installation



Concealed installation



DALI

Digital DIM interface for controlling 1 lighting channel

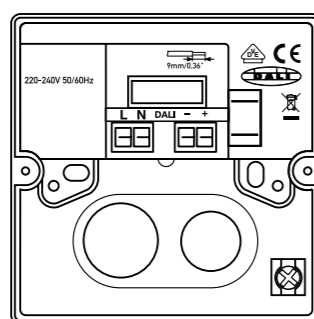
Power supply
 220-240 V, 50 / 60 Hz

Time setting
 5 s - 15 min

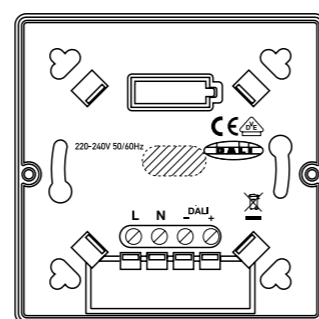
Control output
 2-core DALI control cable / broadcast
 Controllable DALI electronic ballasts: 30 DALI electronic ballasts

Constant-lighting control
 User-friendly DALI function, basic brightness
 ON, OFF, 10-30 min, all night, 10-50%

Surface-mounted installation



Concealed installation



LiveLink

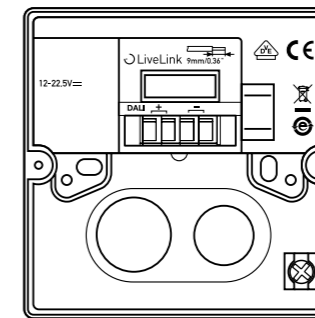
For connecting to the LiveLink light management system

Power consumption
 LiveLink Box 6 mA / 3 DALI users, 16-22.5 V ≤ 250 mA

Control output
 DALI control line (multi-master capability for communication with the LiveLink Box)

Settings
 Via LiveLink app

Surface-mounted installation



KNX

Digital bus interface for controlling 2 lighting channels and HVAC

Power supply
 Via KNX bus voltage

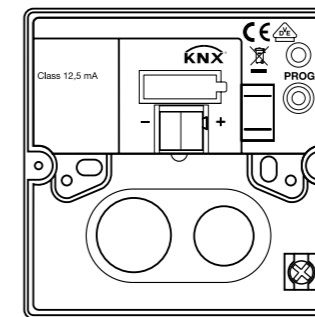
Settings
 Via ETS software, remote control or BUS

Output, light 1 - light 2
 Switching, dimming, basic brightness

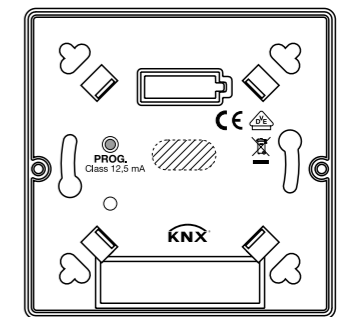
Further outputs
 Sabotage protection

Basic brightness

Surface-mounted installation

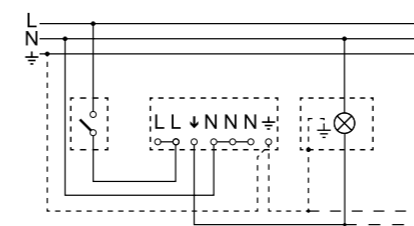


Concealed installation

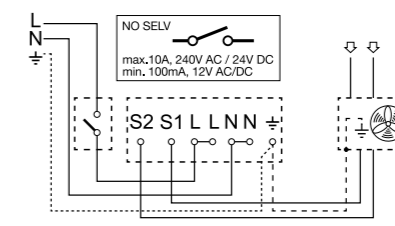


Connection examples - 3000 series

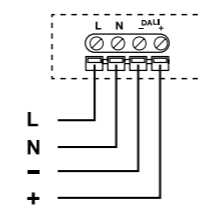
COM1



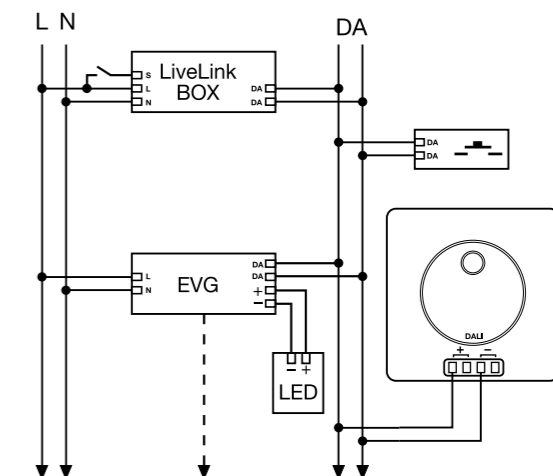
PF



DALI

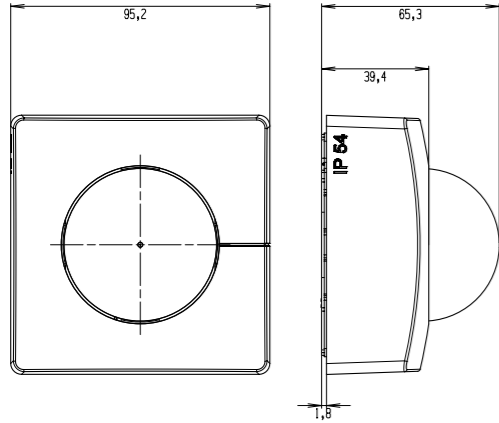


LiveLink

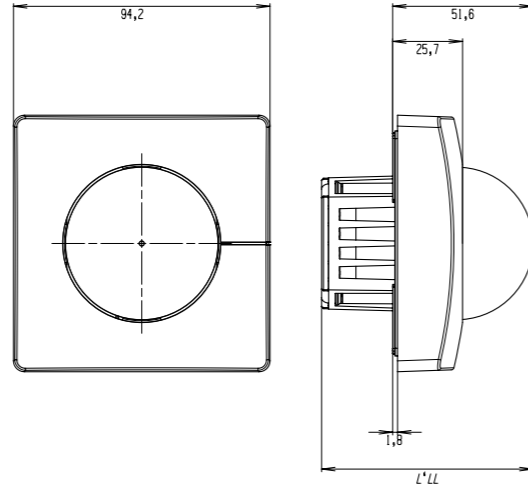


IS 3360 / IS 3360 MX Highbay / IS 345 / IS 345 MX Highbay

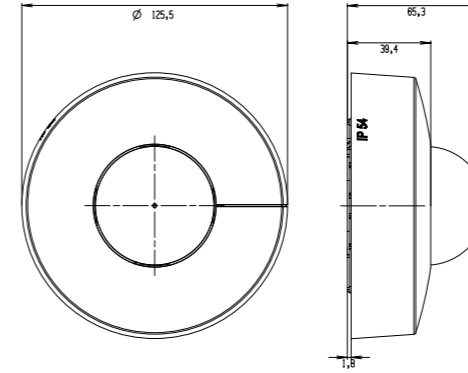
Surface-mounted installation, square



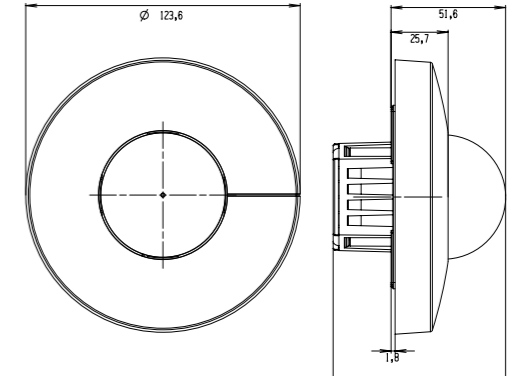
Concealed installation, square



Surface-mounted installation, round

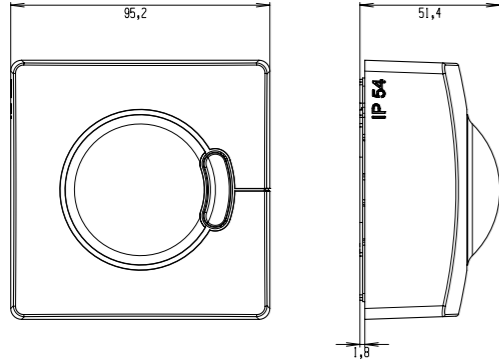


Concealed installation, round

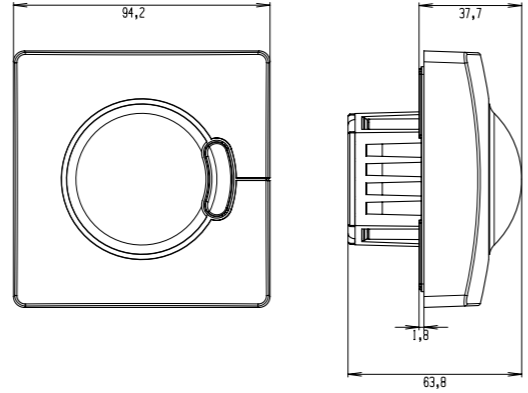


HF 3360

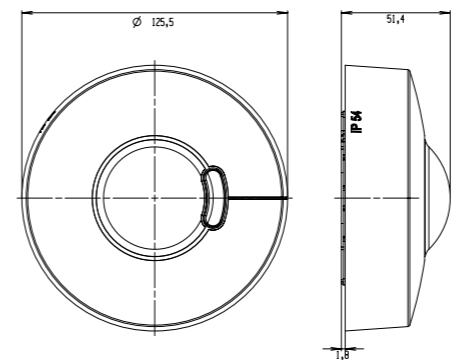
Surface-mounted installation, square



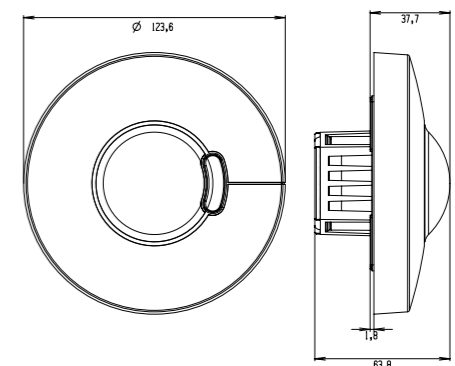
Concealed installation, square



Surface-mounted installation, round

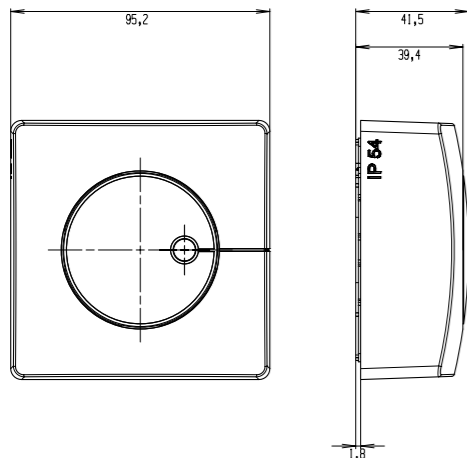


Concealed installation, round

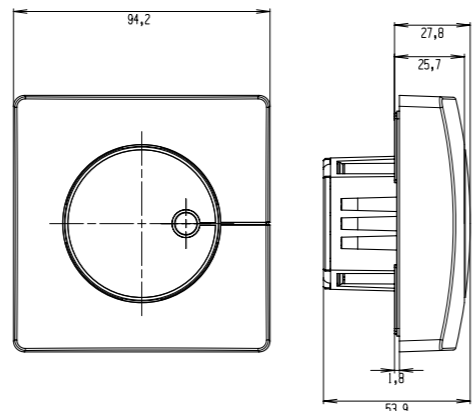


Light Sensor Dual

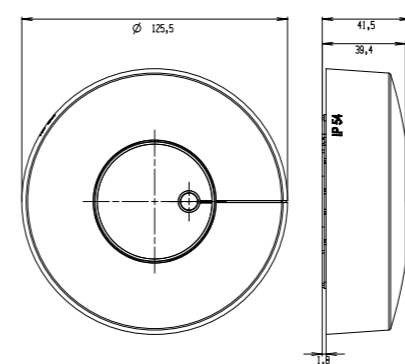
Surface-mounted installation, square



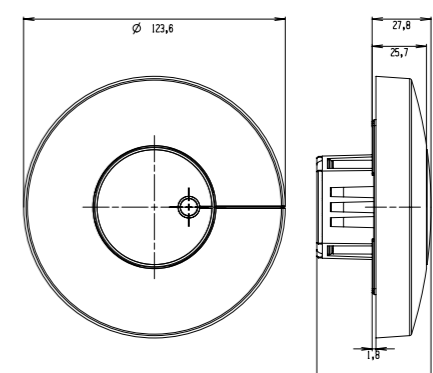
Concealed installation, square



Surface-mounted installation, round



Concealed installation, round





Indoors	•	•	•	•	•	•
Outdoors	•	•	•		•	•
For the wall	•	•	•		•	
For the ceiling				•		•
Mounting height	2.00 m	2.00 m	2.00 m	2.50 m	2.00 m	2.80 m
Switching capacity	max. 1000 W	max. 1000 W	max. 2000 W	max. 1000 W	max. 600 W	max. 2000 W
Angle of coverage	180°	180°	300°	360°	160°	360°
Reach	max. 20 m or max. 8 m	max. 12 m or max. 5 m	max. 12 m	max. 8 m	max. 12 m	max. 3.5 m
Corner wall mount	included	included	included			
Special features	swivelling multi-lens	swivelling multi-lens				
Page	58	60	62	64	66	68



IS2180-2

**Maximum vigilance in compact form
2000-series.**

The 2000-series for indoors and outdoors is the epitome of detection quality in concentrated form. Concealed behind its stylish yet understated design is reliable STEINEL Professional technology with coverage angles from 180° to 360° and reach of up to 20 metres.

IS 2180-5

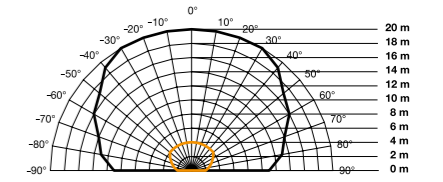
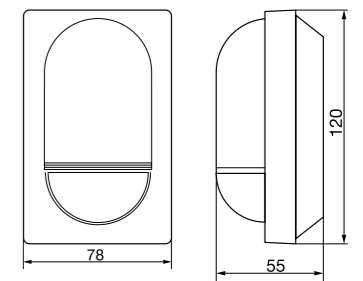
Nice and flat on the wall.

Nice and flexible too.

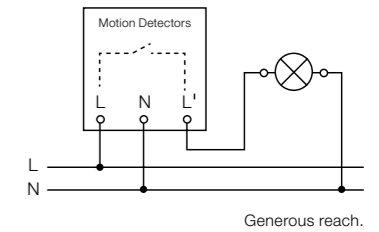
Large entrance areas leading into buildings of architectural finesse benefit in particular from automated lighting that points the way for night-time visitors or passers-by. Because this is where design's important too. The IS 2180-5 cuts an altogether superb figure on any wall. It also provides a wide range of setting options. For instance, coverage angle and reach can be adjusted to suit any specific situation at the point of use.



EAN IS 2180-5, white	4007841 605018
EAN IS 2180-5, stainless steel	4007841 605810
EAN IS 2180-5, black	4007841 605711
Type	Motion detector
Dimensions (H x W x D)	120 x 78 x 55 mm
Power supply	230-240V, 50Hz
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall, corner
Recommended installation height	2.00 m
Output	max. 1000 W (resistive load), max. 6 fluorescent lamps / LED lamps, C ≤ 132 µF
Angle of coverage	180° with 90° angle of aperture
Capability of masking out individual segments	Yes
Reach	Basic setting 1: max. 20 m tangential. Basic setting 2: max. 8 m, temperature-stabilised. + precision adjustment using shrouds
Sensor system	Basic setting 1: 10 detection levels, 504 switching zones; Basic setting 2: 9 detection levels, 412 switching zones
Twilight setting	2-2000 lx
Time setting	5 sec-15 min
Manual override	Selectable, 4 h
IP rating	IP54
Temperature range	-20 to +50°C
Accessory included	Corner wall mount for external and internal corners



Detection zone for IS2180-5
20 m lens
black = tangential walking direction
orange = radial walking direction



Generous reach.

Further circuit diagrams starting on page 284



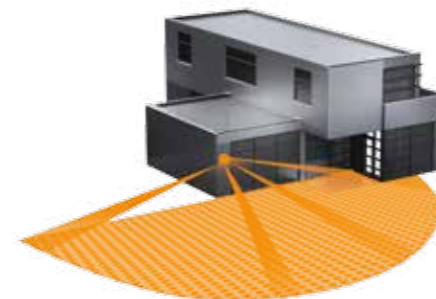
white



stainless steel



black



UV-resistant plastic



Including corner wall mount



IS 2180-2

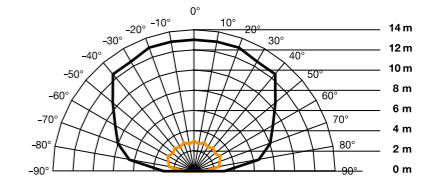
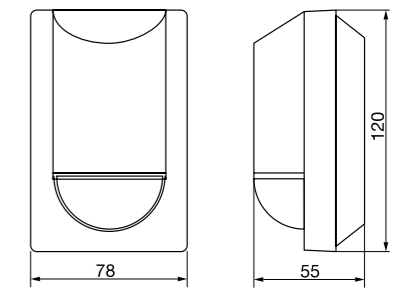
Cuts a fine figure.

On the wall and as a guard dog.

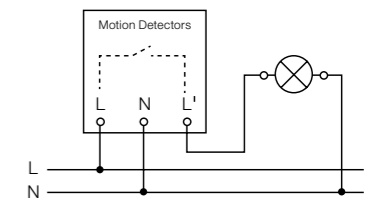
The IS 2180-5 infrared motion detector's small brother is the ideal choice for watching over areas of up to 200 m². Not only impressing with top-class sensor technology as well, this one also pleases the eye with its modern design that fits perfectly into the overall picture on contemporary architecture. No exception here either: flexibility in adjusting coverage angle and reach.



EAN IS 2180-2, white	4007841 603816
EAN IS 2180-2, stainless steel	4007841 603915
EAN IS 2180-2, black	4007841 603717
Type	Motion detector
Dimensions (H x W x D)	120 x 78 x 55 mm
Power supply	230-240V, 50Hz
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall, corner
Recommended installation height	2.00 m
Output	max. 1000 W (resistive load), max. 6 fluorescent lamps / LED lamps, C ≤ 132 µF
Angle of coverage	180° with 90° angle of aperture
Capability of masking out individual segments	Yes
Reach	Basic setting 1: max. 12 m tangential, Basic setting 2: max. 5 m, temperature-stabilised. + precision adjustment using shrouds
Sensor system	Basic setting 1: 10 detection levels, 504 switching zones; basic setting 2: 9 detection levels, 412 switching zones
Twilight setting	2-2000 lx
Time setting	10 sec - 15 min
IP rating	IP54
Temperature range	-20 to +50°C
Accessory included	Corner wall mount for external and internal corners



Detection zone for IS2180-2
12 m lens
black = tangential walking direction
orange = radial walking direction



Also suitable for parallel operating mode.
Normal reach.

Further circuit diagrams starting on page 284



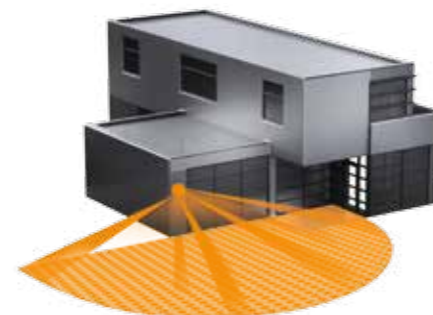
white



stainless steel



black



Including corner wall mount

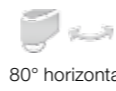


IS 300

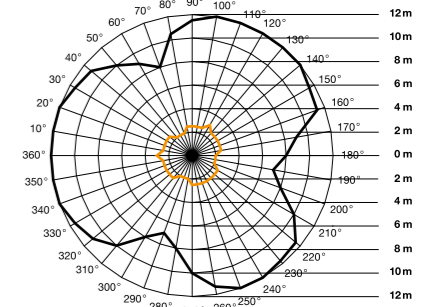
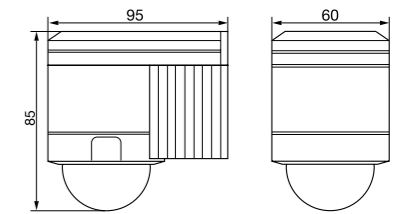
Minimal dimensions.

Maximum detection performance.

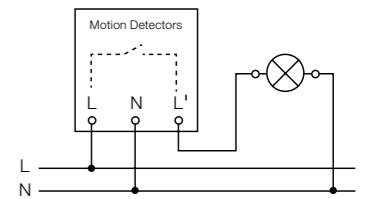
The more obscure building corners, the more winding corridors and passage-ways, the more corner specialist IS 300 has what it takes. The 3 pyro sensors work together to give it a coverage angle of no less than 300°. So this little gem can even look round corners, quite literally. It's also a powerful performer in terms of switching capacity. You can reliably automate lighting systems with several lights around the building with 2,000 watts. Simply screw the sensor onto the corner mount. Done!



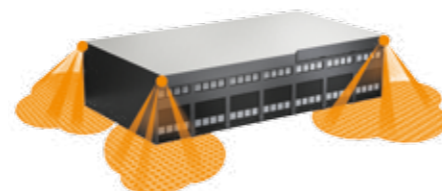
EAN IS 300, white	4007841 602215
EAN IS 300, black	4007841 602116
Type	Motion detector
Dimensions (H x W x D)	85 x 60 x 95 mm
Power supply	230-240V, 50Hz
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall, corner
Recommended installation height	2.00 m
Output	max. 2000 W (resistive load), max. 8 fluorescent lamps / LED lamps, C ≤ 176 µF
Angle of coverage	300° with 180° angle of aperture
Capability of masking out individual segments	Yes
Swivelling range	± 80° precision adjustment of sensor housing
Reach	max. 12 m tangential; temperature-stabilised
Sensor system	10 detection levels, 456 switching zones
Twilight setting	2-2000 lx
Time setting	10 sec - 15 min
IP rating	IP54
Temperature range	-20 to +50°C
Accessory included	Corner wall mount for external corners



Detection zone IS300 mounted at a height of 2.5 m
black = tangential walking direction
orange = radial walking direction



Also suitable for parallel operating mode.
Further circuit diagrams starting on page 284



IS D360

Fits in any ceiling.

And goes with any spotlight.

Control spotlights in suspended ceilings the more or less invisible way. The IS D360 fits in any standard spotlight surround. This is why at first glance it also looks like a normal lamp (e.g. GU10). The multi-lens only becomes apparent after taking a closer look. Cleverly integrated sensor technology from STEINEL.



infrared sensor 360°



max. 8m

1000w

max.



IP 20



ideal 2,5m



2-2000 lux



5 sec-20 min

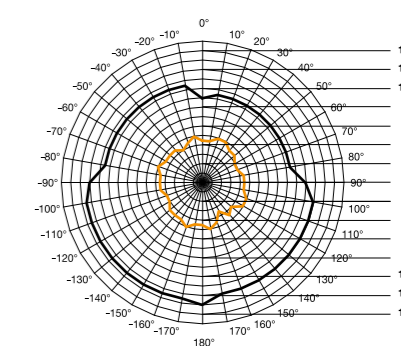
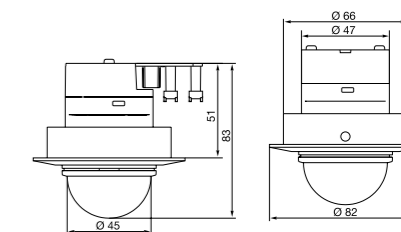


energy saving

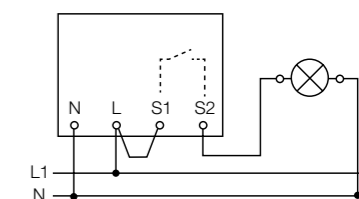
5 JAHRE GARANTIE

functional warranty

EAN IS D360	4007841 601317
Type	Motion detector
Dimensions (H x W x D)	83xØ82mm
Power supply	230-240V, 50Hz
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.50 m
Output	max. 1000 W (resistive load), max. 4 fluorescent lamps / LED lamps, C ≤ 88 µF
Angle of coverage	360° with 180° angle of aperture
Reach	max. 8 m all-round (temperature-stabilised)
Sensor system	10 detection levels, 720 switching zones
Twilight setting	2-2000 lx
Time setting	5 sec-20 min
Manual override	Selectable, 4 h
IP rating	IP20
Temperature range	-20 to +50°C
Accessory included	White standard trim

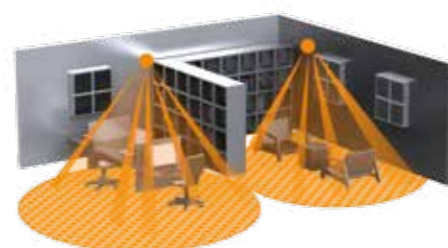


IS D360 detection zone
Mounting height 2.8 m
black = tangential walking direction
orange = radial walking direction



Also suitable for parallel operating mode.

Further circuit diagrams starting on page 284



Any surround can be used.
Installation dimensions:
Outer diameter = Ø 73 mm
Installation depth = 53 mm



IS 2160 ECO

Huge flexibility. At a tiny price.

Inexpensive, good and ideally suited to small-type premises, garage approaches and entrance ways. Not only impressing with outstanding value for money, this sensor also provides incredible flexibility: the detection zone can be adjusted to suit any situation simply by tilting and turning the sensor head.



 infrared sensor 160°

 max. 12m

600w
max.

 IP 54

 ideal 2m

 40° horizontal
70° vertical

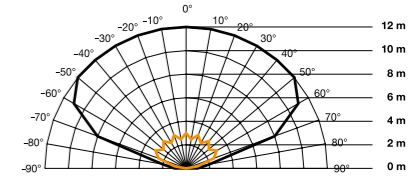
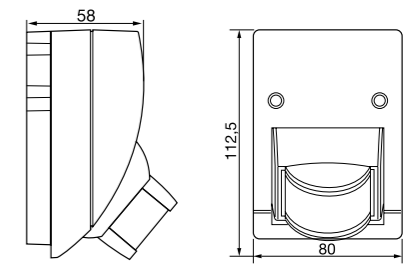
 2–2000 lux

 8sec–35min

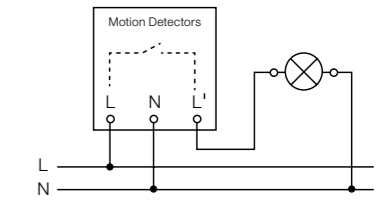
 energy saving

5 JAHRE GARANTIE
functional warranty

EAN IS 2160 ECO, white	4007841 606015
EAN IS 2160 ECO, black	4007841 605919
Type	Motion detector
Dimensions (H x W x D)	113 x 78 x 73 mm
Power supply	230–240V, 50Hz
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall
Recommended installation height	2.00 m
Output	max. 600 W (resistive load), max. 4 fluorescent lamps / LED lamps, C ≤ 88 µF
Angle of coverage	160° with 40° angle of aperture
Capability of masking out individual segments	Yes
Swivelling range	40°
Tilting range	70°
Reach	max. 12m
Sensor system	5 detection levels, 260 switching zones
Twilight setting	2–2000 lx
Time setting	8 sec–35 min
IP rating	IP54
Temperature range	-20 to +50°C



IS2160ECO detection zone
Mounting height 1.8 m
black = tangential walking direction
orange = radial walking direction



For solo operation only.

Further circuit diagrams starting on page 284



white



black



UV-resistant plastic








IS 2360 ECO

**Slips into the background.
And detects every movement.**

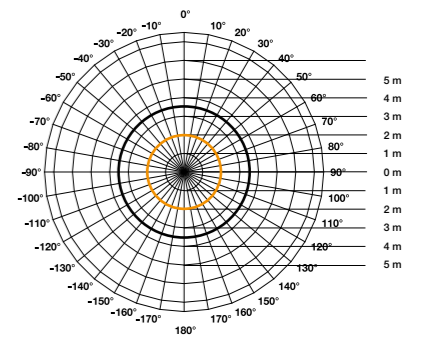
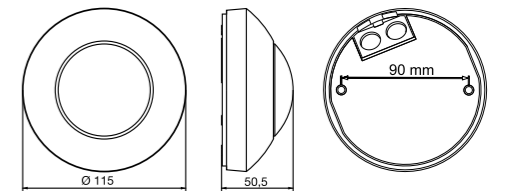
Stylish infrared ceiling sensor in unobtrusive compact look. The surface-mounted IS 2360 ECO motion detector with passive infrared sensor technology is the perfect choice for porches and small rooms. It provides a 360° detection zone that can be matched to any specific situation by means of shrouds.

With a reach of Ø 7 m, it reliably detects all movements with absolute precision. The precision IR sensor also impresses with its ease of installation.

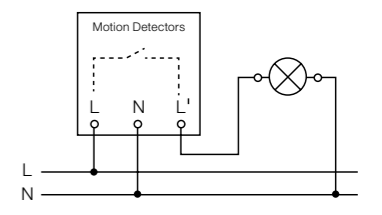


-  infrared sensor 360°
-  max. 3,5m
-  2000w max.
-  IP54
-  2,5–2,8m
-  2–2000 lux
-  8sec–35min
-  energy saving
-  5 JAHRE GARANTIE functional warranty

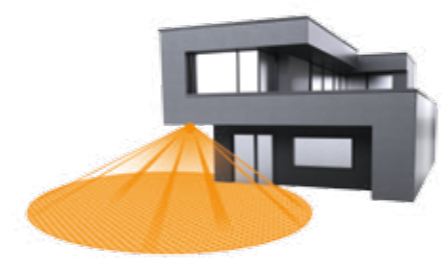
EAN IS 2360 ECO	4007841 006556
Type	Motion detector
Dimensions (H x W x D)	115 x 115 x 50.5 mm
Power supply	220 - 240 V, 50 / 60 Hz
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Ceiling
Recommended installation height	2.80 m
Output	max. 2000 W (resistive load), max. 6 fluorescent lamps / LED lamps, C ≤ 132 µF max. 500 VA (cos φ = 0.5)
Angle of coverage	360° with 180° angle of aperture
Capability of masking out individual segments	Yes
Reach	max. 3.5m tangential; temperature-stabilised
Twilight setting	2–2000 lx
Time setting	8 sec–35 min
IP rating	IP54
Temperature range	-20 to +50°C

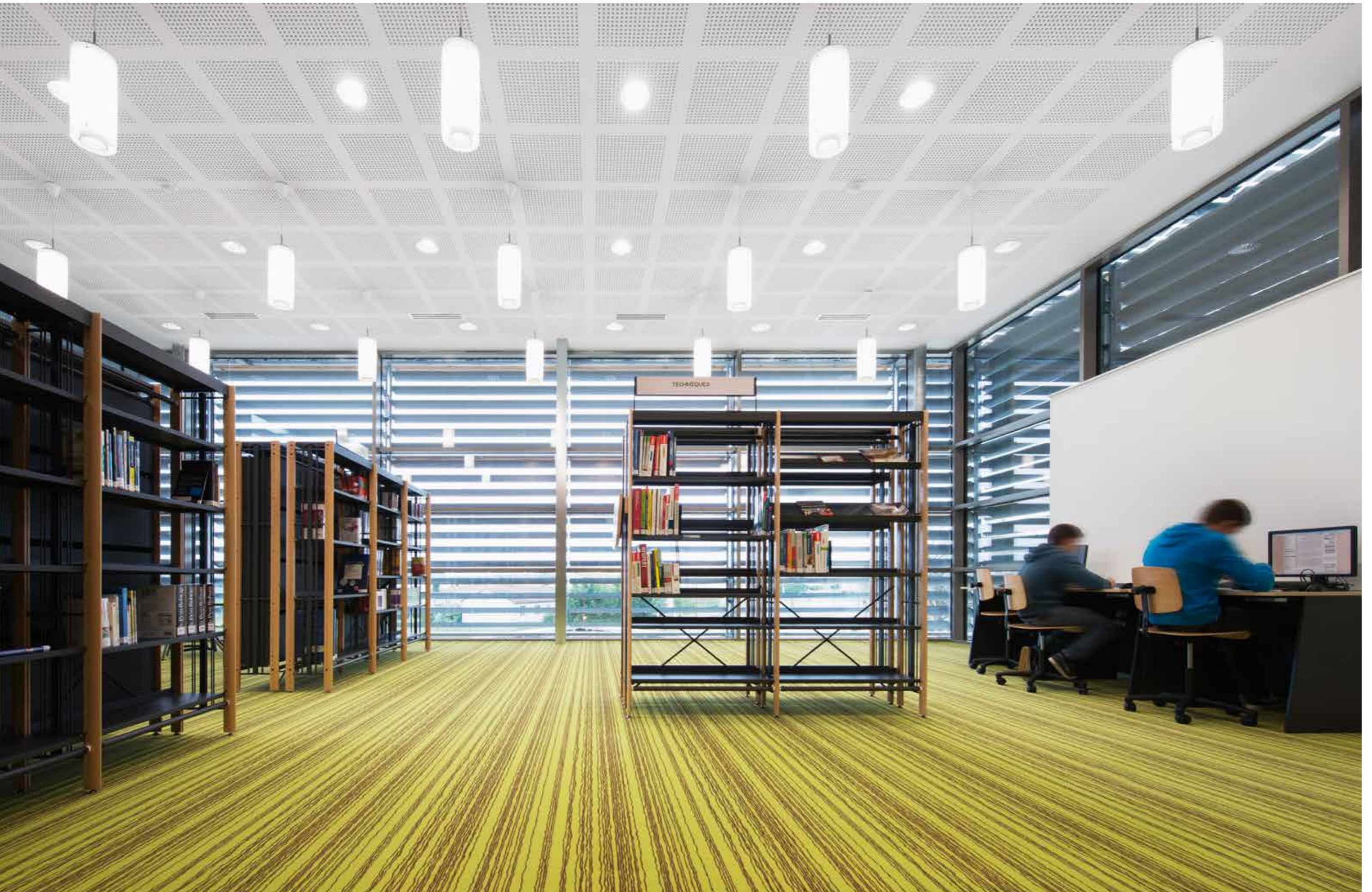


Detection zone IS2360ECO mounted at a height of 2.8 m
black = tangential walking direction
orange = radial walking direction



For solo operation only.
Further circuit diagrams starting on page 284





Camera multi-sensor system.

Coming close to the future.

With the HPD2 – HPD stands for "Human Presence Detection" – STEINEL makes a quantum leap in sensor technology. Because the HPD2 is the world's first presence detector that is not only capable of detecting whether people are present but can also count them. No matter whether they are moving about or not. At the heart of the person sensor is innovative camera technology that uses a highly sensitive optical system in combination with a complex mathematical algorithm.

The HPD2 also has integrated temperature and air-humidity sensors, opening up completely new possibilities in building automation. Light, heating and air-conditioning can finally be controlled in line with demand for the number of people present in a room.



HPD 2

The new HPD2 at a glance.



Large detection zone
Reliable up to 15 metres

Intelligent building automation
Perfect integration

Clear field of vision
Detection through up to 110°, swivels through 45° with adapter provided

Modern design
Form and function in perfect harmony

Defined zone settings
Up to five detection zones possible

Integrated intelligence
Image analysis in the sensor

Privacy guaranteed
No access to images

Precision adjustment
via software

Active by day / active by night
with infrared LEDs

Human presence detection
identifies and counts people – nothing else

Output of temperature and humidity levels
provide completely new options in building automation

Application - Indoors

Possible uses in building automation.



Advantage no. 1: defining zone

The HPD2's detection zone can be confined to a precisely defined area. This makes it possible, for instance, to mask out interference from foot traffic passing through. A maximum of 5 different zones can be set via software when setting up the system.



Persons: 3

Advantage no. 2: detecting persons

For the first time it's now possible to detect a person without the involvement of any movement. Although not moving, persons are detected no matter whether they are sitting or standing. The integrated, highly advanced image recognition system compares 150,000 positive and 7 million negative images in real time. With detection as precise as this, inadvertent triggering is virtually ruled out. Lighting stay-ON times can also be kept to a minimum.



Persons: 2

Advantage no. 3: counting people

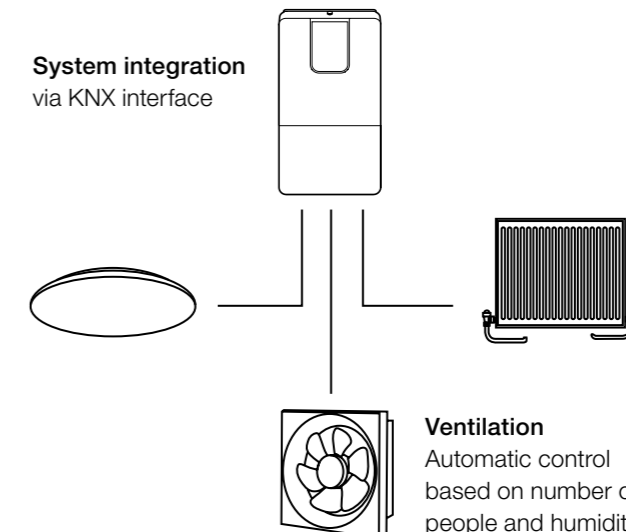
Not only can the HPD2 detect people but it can also see how many of them are present. Its reach of 15 m makes it suitable for conference rooms as well as corridors. Powerful IR LEDs ensure this function even in the dark. Information is delivered via the built-in relays or KNX interface.

Advantage no. 4: measuring temperature and humidity

The HPD2 also has integrated temperature and air-humidity sensors, opening up completely new possibilities in building automation. Light, heating and air-conditioning can finally be controlled in line with demand for the number of people present in a room.

Light
Automatic lighting in real time – without any OFF delay

System integration
via KNX interface



Heating
Automatic control based on number of people and room temperature

Ventilation
Automatic control based on number of people and humidity

HPD2

Camera multi-sensor system. Coming close to the future.

It has taken the world's best specialists and universities over 5 years to develop this system that analyses images directly in the sensor. With the HPD2 – HPD stands for "Human Presence Detection" – STEINEL makes a quantum leap in sensor technology. Because the HPD2 is the world's first presence detector that is not only capable of detecting whether people are present but can also count them. No matter whether they are moving about or not. At the heart of the person sensor is innovative camera technology that uses a highly sensitive optical system in combination with a complex mathematical algorithm. The HPD2 also has integrated temperature and air-humidity sensors, opening up completely new possibilities in building automation. Light, heating and air-conditioning can finally be controlled in line with demand for the number of people present in a room.



110° sensor
max. 15 m



2,5-6m



movement



presence



temperature



air humidity



number of
people



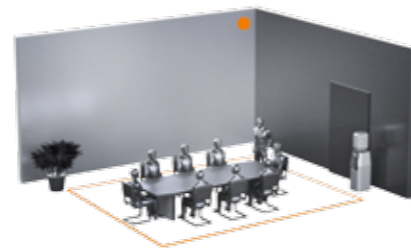
IP 20



energy
saving



functional
warranty



EAN HPD2, Ethernet (IP) 4007841 033965

EAN HPD2, KNX 4007841 033200

You will find technical specifications on KNX products in the KNX brochure

Type Human presence detector

Dimensions (H x W x D) 156 x 86 x 52 mm

Power supply Power over Ethernet

Sensor type Camera

Where to use Indoors

Installation Wall

Recommended installation height 2.5 - 6 m

Angle of coverage 110°

Detection limitation Capability of defining zones

Reach 15 m + precision adjustment via zoning (max. 5 zones)

Number of persons Total / per zone

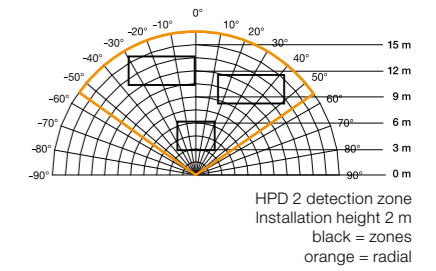
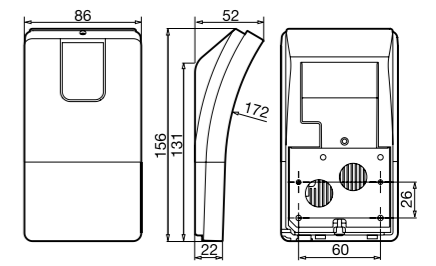
Light level total / per zone

Presence Total / per zone

Temperature Total

Humidity Total

IP rating IP20





IR Quattro HD

CONTROL
PRO
SYSTEM



IR Quattro HD



IR Quattro



IR Quattro SLIM



IR Quattro SLIM XS

Indoors	•	•	•	•
In-ceiling installation	•	•	•	•
On-ceiling installation	•	•		
COM1	•	•	•	•
COM1 AP	•	•		
COM2	•	•	•	
DIM	•	•	•	
DALI	•	•	•	
KNX	•	•	•	•
LiveLink	•			•
Mounting height	2.5 – 10m	2.5 – 8m	2.5 – 4m	2.5 – 4m
IR switching zones	4800	1760	–	–
Square detection zones	Presence: max. 8x8 m Radial: max. 8x8 m Tangential: max. 20x20 m	Presence: max. 4x4 m Radial: max. 5x5 m Tangential: max. 7x7 m	Presence: max. 4x4 m Radial: max. 4x4 m Tangential: max. 4x4 m	Presence: max. 4x4 m Radial: max. 4x4 m Tangential: max. 4x4 m
Page	84	86	90	92

**Passive infrared. The all-rounders.
For indoors and outdoors.**

In garages, warehouses, on drives or in courtyards, sensors are needed that can detect movement over a wide radius. And they must also work reliably in damp, cold weather. This is where passive infrared technology (PIR) is the preferred choice. It detects heat radiated from the human body and converts it into a measurable electric signal. And because we at STEINEL want to offer nothing but the best solution, we have enhanced our IR sensors to such an extent that they provide the highest detection quality on the market.

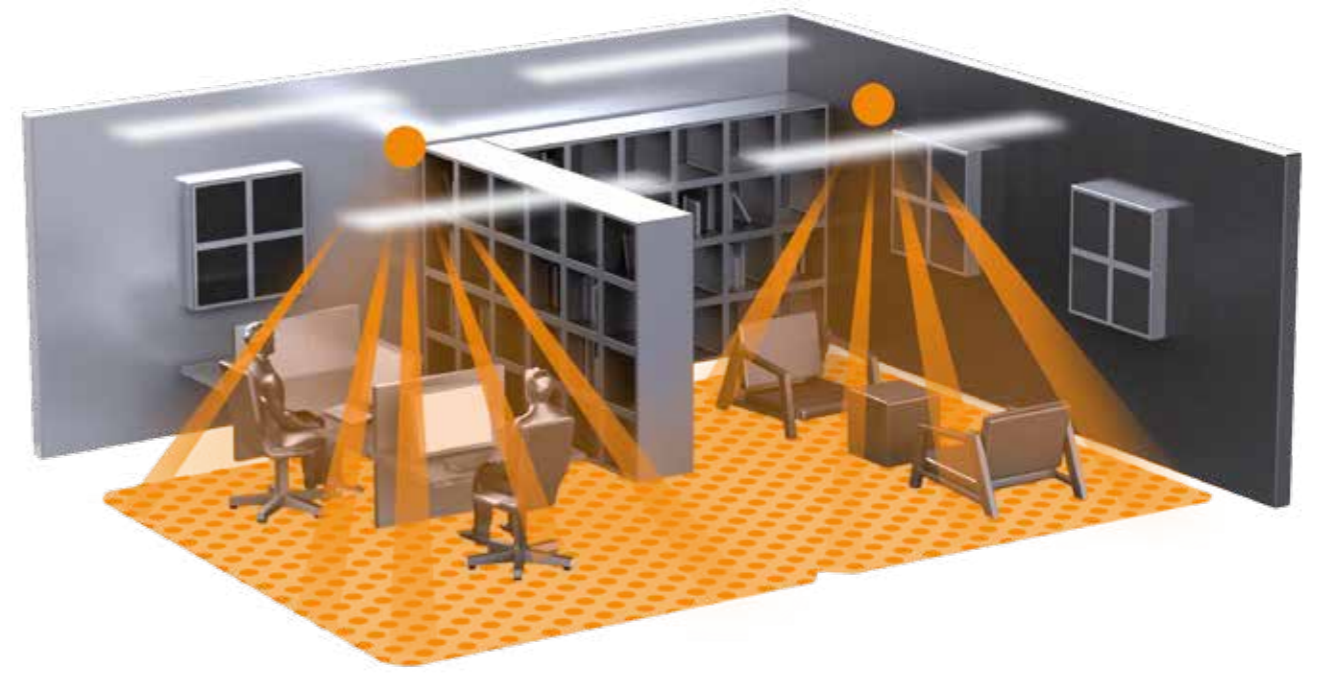
CONTROL PRO SYSTEM

Presence detectors are used for different purposes depending on room type and general conditions. Offices, classrooms, conference rooms, warehouses, sports halls or particularly high spaces place different demands on the detection zones that sensors cover. The Control PRO System uses infrared, high-frequency and ultrasonic technology to cover the range of application areas in the best way possible, allowing it to take account of any spatial situation.

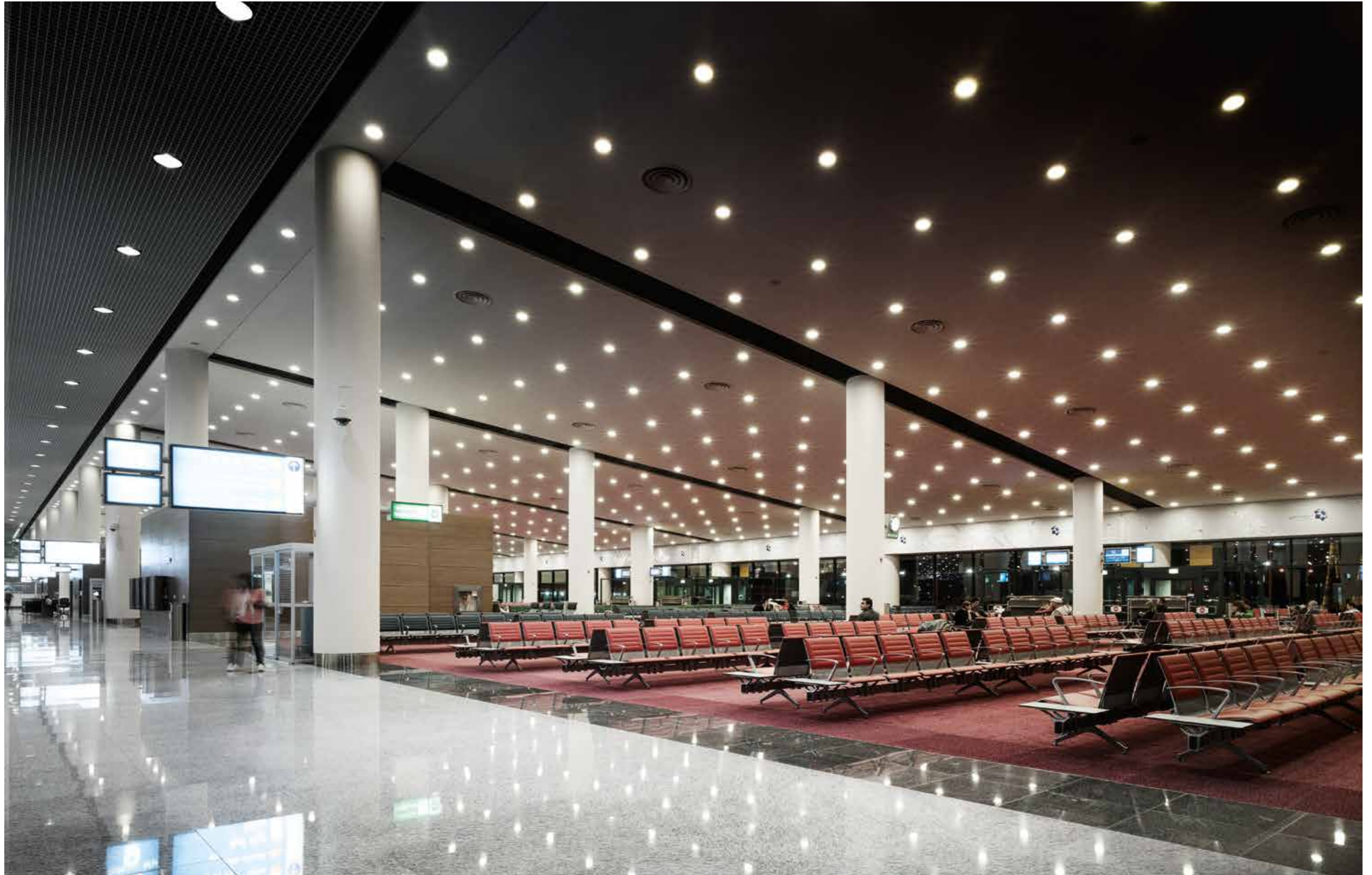
Two of the four infrared presence detector types have mechanically scalable, square-shaped detection zones. And the extremely high-definition sensor system is sure to detect the tiniest of movements: no other system in the world can compete with the 4800 switching zones of the IR Quattro HD. DSP (Digital Signal Processing) quickly processes the movements detected by the sensor. The Control PRO System makes for perfect surveillance planning, providing detection without overlaps or blind spots. People using crossing zones are not detected either. The presence zone is the last to be limited so that all other parts of the room can be configured first. The design of our Control PRO family is understated. These products are ideal for recessed ceiling installation. They go perfectly with square- as well as round ceiling elements and lights. A range of accessories also permits surface mounting.

Needless to say, our presence detectors are available with all the most common interfaces (switching output, additional HVAC output, 1 – 10 volt DIM output, KNX/EIB, DALI). Featuring additional functions and setting capabilities, they can be used in master/slave applications and are equipped with a self-learning IQ mode. They can also be operated via IR remote control. A precision constant-lighting controller is, of course, also integrated in the DIM versions. Alongside presence detectors, the Control PRO System also provides an air-quality sensor.

The Control PRO System meets all of the demands placed on sensor technology both today and in the future.



- 4,800 switching zones for detecting the slightest movement
- Adjustable square detection
- Patented mechanical scalability without loss of quality
- Automatic stay-ON times thanks to self-learning IQ mode
- Available in
COM1, COM2, DIM, DALI, KNX and LiveLink connection options.



Intelligent lighting control: the IR Quattro HD in the terminal of Al Maktoum International Airport, Dubai.

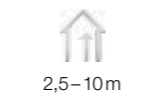
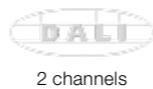
IR Quattro HD

Fits on the ceiling.

And sees what others dream of.

HD isn't just restricted to televisions but from now on also used in presence detectors. Because IR Quattro HD provides extremely high-definition detection. 4,800 switching zones and a square detection footprint with a presence zone covering a true 64 m² leave no margin whatsoever for inadvertent triggering and blind spots. Unique: The presence zone can be mechanically scaled without the slightest loss of quality. This means IR Quattro HD applications in medium to large-size offices, conference and meeting rooms, class rooms and lecture theatres as well as sports halls and warehouses can be planned and configured with absolute precision. Something others can only dream of.

CONTROL
PRO
SYSTEM



EAN IR Quattro HD, COM1	4007841 002794
EAN IR Quattro HD COM1 AP	4007841 592400
EAN IR Quattro HD, COM2	4007841 002770
EAN IR Quattro HD, DALI	4007841 002756
EAN IR Quattro HD, DIM	4007841 002787
EAN IR Quattro HD, KNX	4007841 008789
EAN IR Quattro HD, LiveLink	4007841 009717



You will find information on the interfaces from page 112 onwards.

You will find the LiveLink version on page 143.

You will find technical specifications on KNX products in the KNX brochure.

Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 70 mm
Dimensions (H x W x D) AP	120 x 120 x 65 mm
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 10 m
Square presence detection zone	max. 8 x 8 m (64 m ²)
Square detection zone, radial	max. 8 x 8 m (64 m ²)
Square detection zone, tangential	max. 20 x 20 m (400 m ²)
Reach mechanically adjustable	Yes
Sensor system	13 detection levels, 4800 switching zones
Parallel-connected configurations	Master/master, master/slave
User-friendly setting	Teach-In (with optional remote control RC8)
Twilight setting	10-1000 lx, ∞/daylight
Twilight setting DIM	100-1000 lx, ∞/daylight
IP rating	IP20
IP rating with AP Box (from accessories)	IP54
Temperature range	-25 to +55°C
Enclosure	UV-resistant, paintable

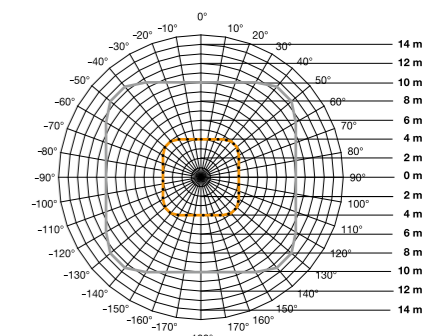
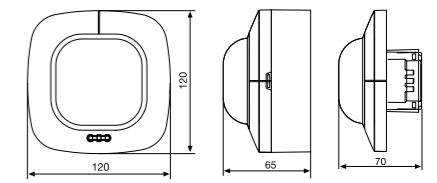
Optional accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151
EAN surface-mounting adapter, Control PRO AP Box	4007841 000363
EAN guard cage	4007841 003036
EAN Kaiser junction box for false ceilings	4007841 000370
EAN clamping-type ceiling adapter	4007841 002855

Refer to the 'Accessories' section for further information.



Surface-mounted version (AP)



IR Quattro HD detection zone
Installation height 2.80 m
grey = tangential
orange = radial
black = presence

Presence Detectors



4 pyros with DSP (Digital Signal Processing)



Optional remote controls refer to page 254



Optional surface-mounting adapters (IP54, KNX) refer to page 254



Optional guard cage refer to page 254




IR Quattro


More than a presence detector. Squaring the circle.

Providing 1,760 switching zones, its sets new standards in detection quality especially in smaller-type offices, store rooms, service rooms, utility rooms and wash rooms. And the square detection zone too can be mechanically scaled without any loss of quality - a capability that's exclusive to STEINEL Professional Presence Control PRO.

CONTROL
PRO
SYSTEM




Infrared sensor
360°


max. 4 m x 4 m
presence

2000w
max.

DIM
1-10 V


2 channels




2,5-8m

TEACH
mode

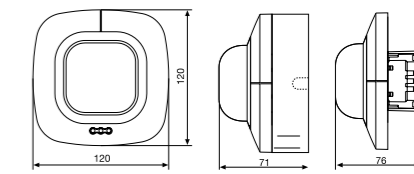
iQ
IQ-mode


energy
saving

5 JAHRE
GARANTIE
functional
warranty



EAN IR Quattro, COM1	4007841 000349
EAN IR Quattro, COM1 AP	4007841 592301
EAN IR Quattro, COM2	4007841 000356
EAN IR Quattro, DALLI	4007841 002749
EAN IR Quattro, DIM	4007841 002718
EAN IR Quattro, KNX	4007841 008772



You will find information on the interfaces from page 112 onwards.

You will find technical specifications on KNX products in the KNX brochure.

Type	Presence detector
Dimensions (H x W x D) UP	120 x 120 x 76 mm
Dimensions (H x W x D) AP	120 x 120 x 71 mm
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 8 m
Square detection zone, presence	max. 4 x 4 m (16 m ²)
Square detection zone, radial	max. 5 x 5 m (25 m ²)
Square detection zone, tangential	max. 7 x 7 m (49 m ²)
Reach mechanically adjustable	Yes
Sensor system	13 detection levels, 1760 switching zones
Parallel-connected configurations	Master/master, master/slave
User-friendly setting	Teach-In (with optional remote control RC8)
Twilight setting	10-1000 lx, ∞/daylight
Twilight setting DIM	100-1000 lx, ∞/daylight
IP rating	IP20
IP rating with AP Box (from accessories)	IP54
Temperature range	-25 to +55°C
Enclosure	UV-resistant, paintable

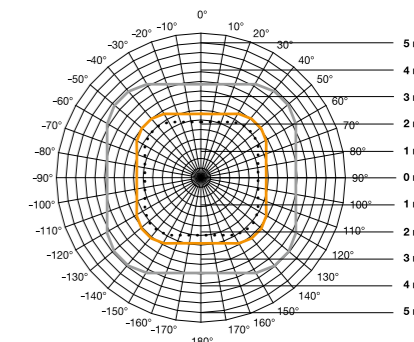
Optional accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151
EAN surface-mounting adapter, Control PRO AP Box	4007841 000363
EAN guard cage	4007841 003036
EAN Kaiser junction box for false ceilings	4007841 000370
EAN clamping-type ceiling adapter	4007841 002855

Refer to the 'Accessories' section for further information.



Surface-mounted version (AP)



IR Quattro detection zone
Installation height 2.80 m
grey = tangential
orange = radial
black = presence

Presence Detectors

Optional remote controls refer to page 254



Optional surface-mounting adapters (IP54, KNX) refer to page 254



Optional guard cage refer to page 254



Extremely slim and sensitive.



The IR Quattro SLIM is as good as invisible. We have not only developed the slim presence detector for planners and architects. Just imagine the options that virtually invisible sensor technology can give you. Combining intelligent technology and superb, stylishly understated design, the detector fits almost flush with the ceiling for an aesthetically pleasing look. An overall depth of just 4 mm means it can be installed almost in line with the ceiling surface. Leaving you to save energy without compromise.

The technology behind the IR Quattro SLIM gives you everything you could wish for as well. With a level of performance that's nothing short of impressive. The newly developed retina lens provides a square detection footprint despite the unit's extremely slim-line design. Needless to say, the IR Quattro SLIM is also available in COM1, COM2, DIM, DALI and KNX versions. It can also be operated via optional remote control. Nobody escapes the detector's watchful eye in a square, 4 x 4 m presence detection zone.

This presence detector responds to even the tiniest movements with its extremely high-definition, precision sensor technology. This is important indoors, particularly in conjunction with sedentary activities - e.g. in offices for desk work or in classrooms.

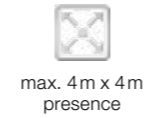
By popular request, we now also offer a version for mounting in concealed box format - the new IR Quattro SLIM XS. With a fitted height of only 6 mm, it forms an unobtrusive symbiosis with the home environment and is also practical to install.

IR Quattro SLIM

**Genuine 16 m² of presence detection.
Compressed into 4 mm.**

Sensor technology is a must in many buildings today. But not without aesthetic appeal, please! This is precisely where the IR Quattro SLIM infrared presence detector comes in. With an overall depth of just 4 mm, it can be installed almost flush with the ceiling where it remains practically invisible to anyone looking up. As the only one of its kind in the world, the retina lens deserves all the more attention. Installed at a height of up to 4 metres and despite being so slim, it provides a true presence detection zone of an astonishing 16 m².

CONTROL
PRO
SYSTEM



2000w
max.

DIM
1–10 V

DALI
2 channels

KNX

2,5–4m

10–1000 lux
with RC8

1 min–15 Min.
with RC8

TEACH
mode
with RC8

iQ
IQ-Modus

5 JAHRE
GARANTIE
functional
warranty

EAN IR Quattro SLIM, COM14007841 593414
EAN IR Quattro SLIM, COM24007841 593513
EAN IR Quattro SLIM, DIM4007841 593612
EAN IR Quattro SLIM, DALI4007841 005795
EAN IR Quattro SLIM, KNX 4007841 008888



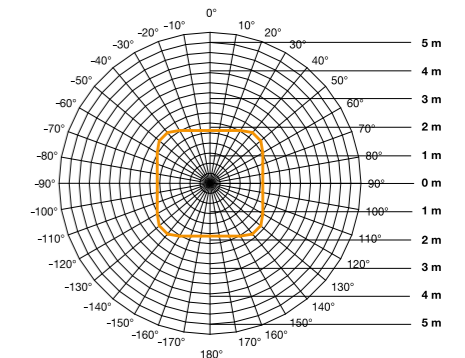
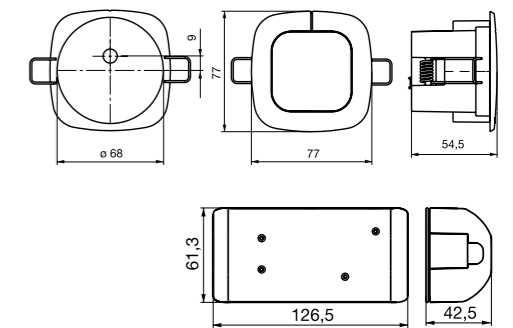
You will find information on the interfaces from page 112 onwards.

You will find technical specifications on KNX products in the KNX brochure.

Type Presence detector
Dimensions (H x W x D), sensor module 77 x 77 x 60 mm
Dimensions (H x W x D), load module 61.3 x 126.5 x 42.5 mm
Power supply 120–250 V, 50 / 60Hz
Sensor type Passive infrared
Where to use Indoors
Installation Ceiling
Recommended installation height 2.5 - 4 m
Parallel connection capability Yes
Square detection zone, presence max. 4 x 4 m (16 m²)
Square detection zone, radial max. 4 x 4 m (16 m²)
Square detection zone, tangential max. 4 x 4 m (16 m²)
Sensor system PIR with retina lens and hexagonal Fresnel structure
Parallel-connected configurations Master/master, master/slave
User-friendly setting Teach-In (with optional remote control RC8)
Twilight setting 10–1000 lux, ∞/daylight
Twilight setting DIM/DALI 100–1000 lux, ∞/daylight
IP rating IP20
Temperature range 0 to +40°C
IQ mode Yes
Enclosure UV-resistant, paintable

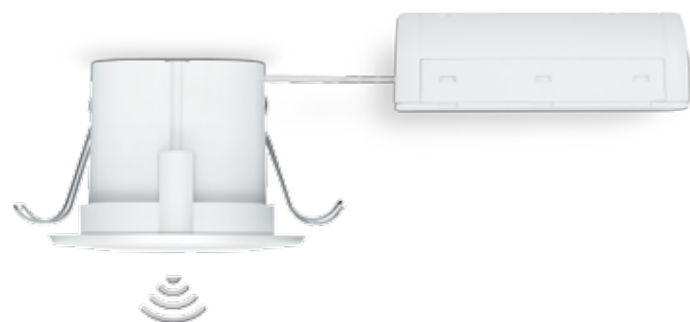
Optional accessories

EAN user remote control RC54007841 592806
EAN service remote control RC84007841 559410
EAN remote control Smart Remote 4007841 009151
EAN 6m extension cable4007841 006419
Refer to the 'Accessories' section for further information.



Detection zone for IR Quattro SLIM
installed at a height of 2.80 m
orange = tangential, radial, presence

Presence
Detectors



Extremely slim
overall height



High-quality retina lens



Can only be set using
optional remote con-
trols, see page 254

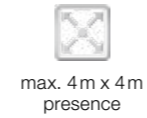


IR Quattro SLIM XS

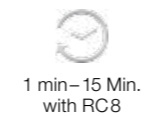
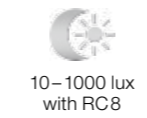
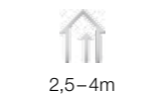
**Our slimmest presence detector.
Now even smaller in concealed box format.**

The extra slim IR Quattro SLIM XS presence detector virtually disappears in the wall or ceiling. Thanks to the new and practical concealed box format it forms a remarkably unobtrusive symbiosis with the home environment and can now be installed in any standard concealed box. In short: our slimmest presence detector would seem to be pretending it wasn't even there - and yet is absolutely present when it matters. To be prepared for any situation, a round SLIM XS is also available.

CONTROL
PRO
SYSTEM



1000w
max.



TEACH
mode
with RC8

IQ
IQ-Modus

5 JAHRE
GARANTIE
functional
warranty

IR Quattro SLIM XSsquare (80x80x55mm) .round (Ø 94x55mm)

EAN COM14007841 0329514007841 035211

EAN KNX4007841 0330334007841 035228

EAN LiveLink4007841 0330404007841 035235

You will find information on the interfaces from page 112 onwards.

You will find the LiveLink version on page 143.

You will find technical specifications on KNX products in the KNX brochure.

Type	Presence detector
Power supply	220-240V, 50 / 60Hz
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 4 m
Parallel connection capability	Yes
Square detection zone, presence	max. 4 x 4 m (16 m²)
Square detection zone, radial	max. 4 x 4 m (16 m²)
Square detection zone, tangential	max. 4 x 4 m (16 m²)
Sensor system	PIR with retina lens and hexagonal Fresnel structure
Parallel-connected configurations	Master/master, master/slave
User-friendly setting	Teach-In (with optional remote control RC8)
Twilight setting	10-1000 lux, ∞/daylight
IP rating	IP20
Temperature range	0 to +40°C
IQ mode	Yes
Enclosure	UV-resistant, paintable

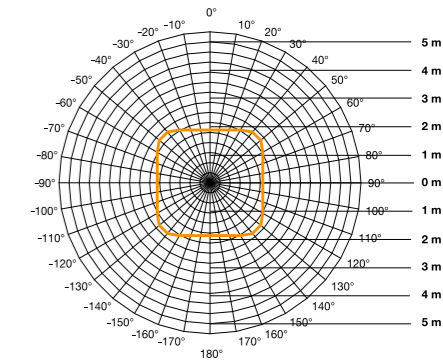
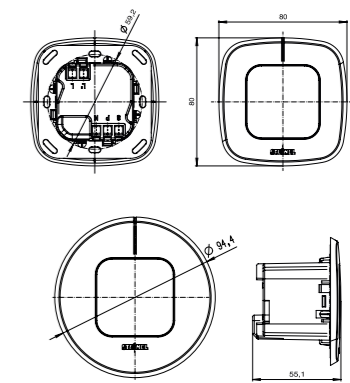
Optional accessories

EAN user remote control RC54007841 592806

EAN service remote control RC84007841 559410

EAN remote control Smart Remote 4007841 009151

Refer to the 'Accessories' section for further information.



Detection zone for IR Quattro SLIM XS installed at a height of 2.80 m
orange = tangential, radial, presence



Extremely slim
overall height



High-quality retina lens



Can only be set using
optional remote con-
trols, see page 254



CONTROL
PRO
SYSTEM



HF 360



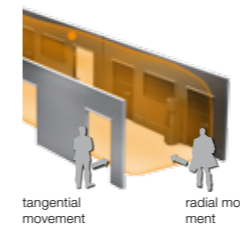
Dual HF

Indoors	•	•
In-ceiling installation	•	•
On-ceiling installation	•	•
COM1	•	•
COM1 AP	•	•
COM2	•	•
DIM	•	•
DALI	•	•
LiveLink	•	•
KNX	•	•
Mounting height	2.5–3.5m	2.5–3.5m
Detection zone	Ø 1 – 12 m	3 x 20 m
Page	98	100



Doppler principle

The HF sensor actively emits high-frequency waves and identifies movements in its detection zone using the Doppler principle. It reliably responds to the slightest movement.



Tangential = radial

The direction of movement doesn't matter to the HF sensor. No matter whether you approach the sensor from the front or side – the detection quality and -reach are always of the same high quality.



Penetrating detection

The HF sensor reliably detects movements through glass, wooden panels and stud walls – that's something only HF technology can do.



Optional concealed installation

The HF sensor can be installed behind suspended ceilings for aesthetic reasons or to protect it from vandalism. This makes no difference to detection reliability.



Perfect whether cold or hot

HF technology works in a temperature range of -30°C to +50°C without any adverse effect on function.

**STEINEL HF sensors.
Superior technology.**

Based on the Doppler principle, an active high-tech sensor emits signals at a frequency of 5.8 GHz (approx. 1/1000th the strength of the signal from a mobile phone) that can easily penetrate glass, wooden panels and stud walls and then bounce back as echoes. If this echo pattern is changed by a movement in the detection zone, the sensor responds and switches the light ON within a fraction of a second. High-frequency detectors are the right choice when it's a case of providing 100% coverage in complex application areas. The detectors respond to the smallest of movements for reliable, precision detection. Inadvertent triggering by non-human heat sources is avoided and the detectors can also be installed out of sight for visual and security-related reasons.

Even in the most demanding of applications, such as schools, airports, administrative- and office buildings, the outstanding performance and absolute reliability of these detectors never fail to impress.



The PRO HF 360 presence detector in Stuttgart city library

HF 360

**You can hardly see it.
But it sees everything.**

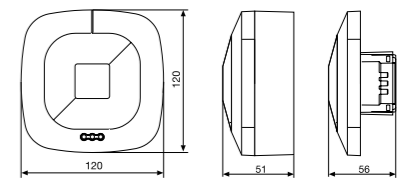
STEINEL's not only the pioneer of high-frequency sensor technology but also the first to use it successfully for presence detectors. With a whole host of benefits, specifically for applications in public areas, such as WC cubicles. Because HF works without any lens, the HF 360 is extremely slim and bears little resemblance with a "watchdog". This makes it hardly vulnerable to vandalism for example.

CONTROL
PRO
SYSTEM



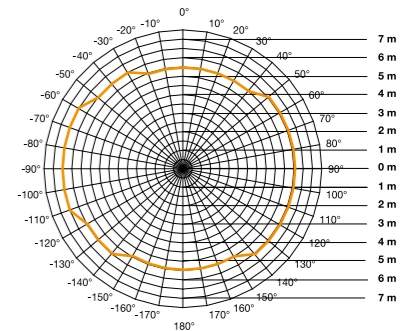
-  high frequency sensor 360°
-  max. Ø 12m
- 2000w**
max.
- DIM**
1-10 V
-  DALI
2 channels
-  KNX
-  LiveLink
-  2,5-3,5m
- TEACH**
mode
- IQ**
IQ-Modus
-  energy saving
- 5 JAHRE GARANTIE**
functional warranty

EAN HF 360, COM1.....	4007841 002800
EAN HF 360, COM1, surface-mounted installation	4007841 751302
EAN HF 360, COM2	4007841 002848
EAN HF 360, DALI	4007841 002817
EAN HF 360, DIM	4007841 002831
EAN HF 360, KNX	4007841 008796
EAN HF 360, LiveLink	4007841 033972



You will find information on the interfaces from page 112 onwards.
You will find the LiveLink version on page 144.
You will find technical specifications on KNX products in the KNX brochure.

Type Presence detector
Dimensions (H x W x D) UP 120 x 120 x 56 mm
Dimensions (H x W x D) AP 120 x 120 x 51 mm
Sensor type High frequency
Where to use Indoors
Installation Ceiling
Recommended installation height 2.5 - 3.5 m
Angle of coverage 360° with 140° angle of aperture
..... also through glass, wood and stud walls
Adjustment. 1 or 2 detection directions can be masked out
..... by mechanical means for adjustment to the room situation
Reach max. Ø 12m, infinitely variable
Sensor system High-frequency 5.8 GHz (transmission power < 1mW)
Parallel-connected configurations Master/master, master/slave
User-friendly setting Teach-In (with optional remote control RC8)
Twilight setting 10-1000 lx, ∞/daylight
Twilight setting DIM 100-1000 lx, ∞/daylight
IP rating IP20
IP rating with AP Box (from accessories) IP54
Temperature range -25 to +55°C
IQ mode Yes
Enclosure UV-resistant, paintable



HF 360 detection zone
Installation height 2.80 m
orange = radial

Optional accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151
EAN ceiling adapter for suspended ceilings	4007841 006600
EAN surface-mounting adapter, Control PRO AP Box.	4007841 000363
EAN guard cage	4007841 003036
EAN Kaiser junction box for false ceilings	4007841 000370
EAN clamping-type ceiling adapter	4007841 002855

Refer to the 'Accessories' section for further information.



Surface-mounted version (AP)



Optional remote controls refer to page 254



Optional surface-mounting adapters (IP54, KNX) refer to page 254



Optional guard cage refer to page 254



HF ceiling adapter for installation in suspended ceilings



Dual HF

A corridor sensor that points the way. Both in technology and design.

The Dual HF corridor sensor works with high-frequency technology that's particularly advanced. The system is fitted with 2 sensors, with each covering one corridor direction. Both of them together cover a good 20 metres in walking direction - for complete and reliable detection without blind spots. Tangential reach is deliberately limited to corridor width so as to avoid detecting movements behind closed doors, for instance.

CONTROL
PRO
SYSTEM



high frequency
sensor 360°



max. 20x3m

2000w
max.

DIM
1-10 V

DALI
2 channels

KNX

LiveLink

↑↑
2,5-3,5m

iQ
iQ-Modus

TEACH
mode

energy saving

5 JAHRE GARANTIE
functional warranty

EAN Dual HF COM1	4007841 002978
EAN Dual HF, COM1, AP	4007841 590703
EAN Dual HF, DALI	4007841 003005
EAN Dual HF, DIM	4007841 002985
EAN Dual HF, KNX	4007841 008802
EAN Dual HF, LiveLink	4007841 009700



You will find information on the interfaces from page 112 onwards.

You will find the LiveLink version on page 144.

You will find technical specifications on KNX products in the KNX brochure.

Type	Presence detector
Dimensions (H x W x D) UP	120 x 120 x 75 mm
Dimensions (H x W x D) AP	120 x 120 x 70 mm
Sensor type	High frequency
Where to use	Indoors
Installation	Ceiling, corridor
Recommended installation height	2.5 - 3.5 m
Angle of coverage	360° with 140° angle of aperture
Reach	also through glass, wood and stud walls
Reach	max. 10 x 3 m in each direction,
	electronically and infinitely variable
Sensor system	5.8 GHz high frequency (transmitter output < 1 mW)
Parallel-connected configurations	Master/master, master/slave
User-friendly setting	Teach-In (with optional remote control RC8)
Twilight setting	10-1000 lx, ∞/daylight
Twilight setting DIM	100-1000 lx, ∞/daylight
IP rating	IP20
IP rating with AP Box (from accessories)	IP54
Temperature range	-25 to +55°C
Enclosure	UV-resistant, paintable

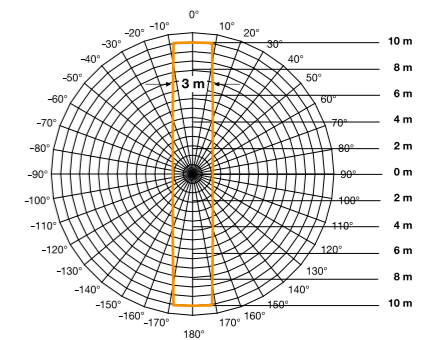
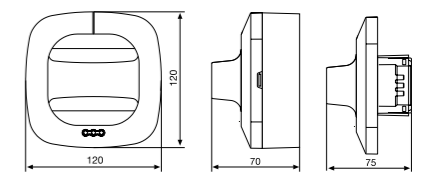
Optional accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151
EAN surface-mounting adapter, Control PRO AP Box	4007841 000363
EAN ceiling adapter for suspended ceilings	4007841 006600
EAN guard cage	4007841 003036
EAN Kaiser junction box for false ceilings	4007841 000370
EAN clamping-type ceiling adapter	4007841 002855

Refer to the 'Accessories' section for further information.

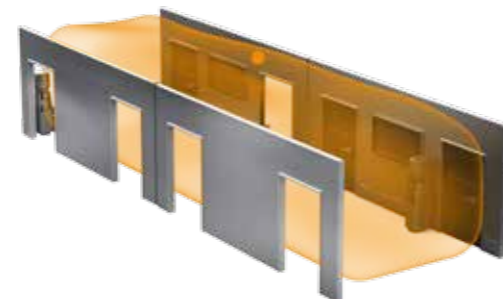


Surface-mounted version (AP)



Dual HF detection zone
Installation height 2.80 m
orange = corridor situation indoors,
radial walking direction

Presence
Detectors



Optional remote controls refer to page 254



Optional surface-mounting adapters (IP54, KNX) refer to page 254



Optional guard cage refer to page 254



HF ceiling adapter for installation in suspended ceilings



STEINEL ultrasonic technology.
The USA standard.



DualTech

CONTROL
PRO
SYSTEM



DualTech



US 360



Dual US



Single US

Indoors	•	•	•	•
COM1	•	•	•	•
COM2	•	•	•	•
DIM	•	•	•	•
Sensor	Ultrasonic + PIR	Ultrasonic	Ultrasonic	Ultrasonic
Installation height	2.5–3.5m	2.5–3.5m	2.5–3.5m	2.5–3.5m
Detection zones	Presence: Ø6m	Presence: Ø6m	Radial: 3x20 m max. Tangential: 3x20 m max.	Radial: 3x10 m max. Tangential: 3x10 m max.
Page				

**Standard in the USA.
From STEINEL in premium quality.**

We are a company that operates on the global stage. "When in Rome, do as the Romans do": this saying applies to us in a technological sense too. In the USA, for example, ultrasonic sensors define the standard. Needless to say, as innovation and technology leader, we manufacture high-end sensors on the basis of ultrasonic technology and also let all STEINEL customers benefit from the advantages this system has to offer.

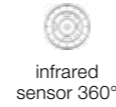
The ultrasonic waves (40 kHz) are actively emitted from the sensor and completely fill the respective room. They permeate into every last corner, enveloping objects that are present in the room. The sensor identifies movement in the room even if there is no visual contact between sensor and person. The signal is evaluated on the basis of the Doppler principle. It is this that makes ultrasonic sensors ideal for open-plan offices and rooms with stud walls. Ultrasonic waves do not penetrate thin walls and are highly sensitive. And therefore particularly recommended for rooms in which sedentary activities are performed.

DualTech

The best of both worlds. Combined in one detector.

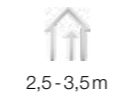
Offices, conference rooms and classrooms come with their own particular spatial situations that don't exactly make it easy to provide efficient lighting control. That's why we have developed an innovative 360° detector with a 28 sq.m. presence detection zone that uses the best qualities of two leading technologies. This way, the DualTech can also detect movements without visual contact with the sensor. PIR technology provides additional detection capabilities. And maximum reliability.

CONTROL
PRO
SYSTEM



2000w
max.

DIM
1-10V



TEACH
mode



5 JAHRE
functional
warranty



EAN DualTech, COM1	4007841 007997
EAN DualTech, COM2	4007841 008000
EAN DualTech, DIM	4007841 008017
EAN DualTech, KNX	4007841 029494
EAN DualTech, LiveLink	4007841 008451



You will find information on the interfaces from page 112 onwards.

You will find the LiveLink version on page 144.

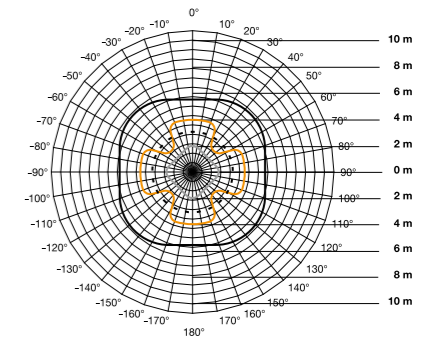
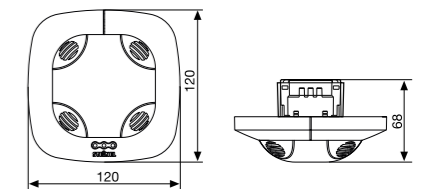
You will find technical specifications on KNX products in the KNX brochure.

Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 68 mm
Power supply	220-240 V, 50 / 60 Hz
Sensor type	Ultrasonic 40KHz and passive infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 3.5 m
Angle of coverage	360°
Reach, US	Ø10m radial, Ø6m presence / tangential
Reach, PIR	3x3m presence
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (via optional remote control RC8)
Twilight setting	10-1000 lx
Twilight setting DIM	100-1000 lx, ∞/daylight
IP rating	IP20
Temperature range	-25 to +55°C
Enclosure	UV-resistant plastic, paintable

Optional accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151
EAN surface-mounting adapter AP Box	4007841 000363
EAN guard cage	4007841 003036
EAN Kaiser junction box for false ceilings	4007841 000370
EAN clamping-type ceiling adapter	4007841 002855

Refer to the 'Accessories' section for further information.



DualTech detection zone
Installation height 2.50 m
black = ultrasonic radial
orange = infrared tangential
dashed = ultrasonic tangential and presence
grey = infrared presence, radial

Presence
Detectors

Optional
remote controls
refer to page 254



Optional surface-
mounting adapters
refer to page 254



Optional guard cage
refer to page 254



US 360

Detects without obstructions. Space-filling and sensitive.

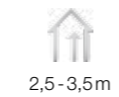
Oddly shaped architecture, partition walls or other obstacles present insurmountable difficulties to some sensors. Yet the US 360's dynamic all-round precision detection capability works with absolute reliability behind objects too. Across a radius of 6 metres all round. Even in extreme temperatures. The space-filling ultrasonic waves make it possible.

CONTROL
PRO
SYSTEM



2000w
max.

DIM
1 - 10V



TEACH
mode



EAN US 360, COM1	4007841 007935
EAN US 360, COM2	4007841 007942
EAN US 360, DIM	4007841 007959
EAN US 360, KNX	4007841 029463
EAN US 360, LiveLink	4007841 008444



You will find information on the interfaces from page 112 onwards.

You will find the LiveLink version on page 144.

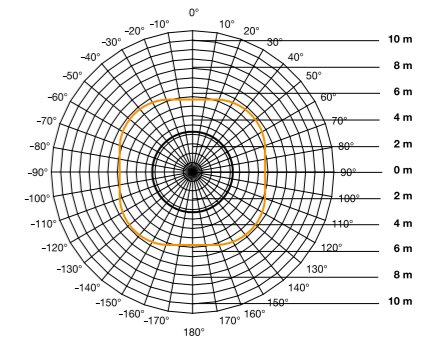
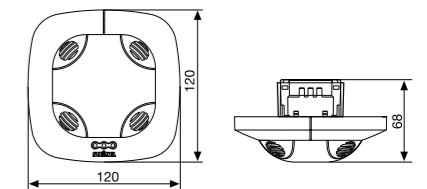
You will find technical specifications on KNX products in the KNX brochure.

Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 68 mm
Power supply	220–240 V, 50 / 60 Hz
Sensor type	Ultrasonic 40 kHz
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 3.5 m
Angle of coverage	360°
Reach	Ø 10m radial, Ø 6m presence / tangential
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (via optional remote control RC8)
Twilight setting	10–1000 lx
Twilight setting DIM	100–1000 lx, ∞/daylight
IP rating	IP20
Temperature range	-25 to +55°C
Enclosure	UV-resistant plastic, paintable

Optional accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151
EAN surface-mounting adapter AP Box	4007841 000363
EAN guard cage	4007841 003036
EAN Kaiser junction box for false ceilings	4007841 000370
EAN clamping-type ceiling adapter	4007841 002855

Refer to the 'Accessories' section for further information.



US 360 detection zone
Installation height 2.50 m
orange = radial walking direction
black = tangential and presence

Presence Detectors

Optional remote controls refer to page 254



Optional surface-mounting adapters refer to page 254



Optional guard cage refer to page 254



Dual US

Watches over the entire corridor. And can see around corners.

Switching light on and off with maximum precision in long passageways and corridors. Because all objects can be clearly detected. Thanks to ultrasonic technology, that's not a problem for the Dual US. Installed at a height of 2.5–3.5 metres, the presence detector identifies even the smallest of movements – no matter which walking direction they come from - in a detection zone of 3x20m. But only there: the sensor reliably masks out persons in adjacent rooms. That makes it the perfect corridor sensor for office and admin buildings.

CONTROL
PRO
SYSTEM



ultrasonic
sensor 360°



3x20m

2000w
max.

DIM
1 - 10V

KNX

LiveLink

2,5 - 3,5m

10 - 1000 lux

TEACH
mode

iQ
IQ-mode

energy
saving

5 Jahre
functional
warranty

EAN Dual US, COM1	4007841 007843
EAN Dual US, COM2	4007841 007850
EAN Dual US, DIM	4007841 007867
EAN Dual US, KNX	4007841 029470
EAN Dual US, LiveLink	4007841 008420



You will find information on the interfaces from page 112 onwards.

You will find the LiveLink version on page 144.

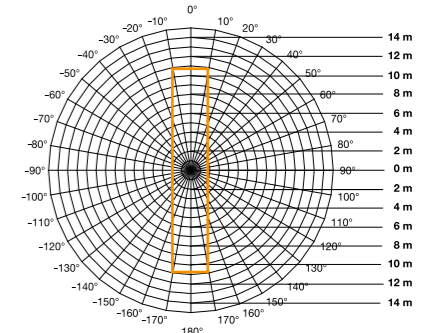
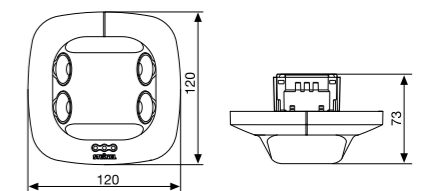
You will find technical specifications on KNX products in the KNX brochure.

Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 73 mm
Power supply	220–240 V, 50 / 60 Hz
Sensor type	Ultrasonic 40 kHz
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 3.5 m
Angle of coverage	Corridor
Reach	3x20m
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (via optional remote control RC8)
Twilight setting	10–1000 lx
Twilight setting DIM	100–1000 lx, ∞/daylight
IP rating	IP20
Temperature range	-25 to +55°C
Enclosure	UV-resistant plastic, paintable

Optional accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151
EAN surface-mounting adapter AP Box	4007841 000363
EAN guard cage	4007841 003036
EAN Kaiser junction box for false ceilings	4007841 000370
EAN clamping-type ceiling adapter	4007841 002855

Refer to the 'Accessories' section for further information.



DUAL US detection zone
Installation height 2.50 m
orange = radial

Presence
Detectors



Optional
remote controls
refer to page 254



Optional surface-
mounting adapters
refer to page 254



Optional guard cage
refer to page 254



Single US

The ideal sensor for small corridors.

Simple tasks demand simple answers. This is demonstrated by our Single US 180° ultrasonic sensor. Correctly aligned, it detects any movement in corridors and passage-ways of up to 10 metres in length – even if they take place behind objects. Movements in adjacent rooms, however, are not detected. This means the sensor only switches light on when it's really needed.

CONTROL
PRO
SYSTEM



ultrasonic sensor 180°

3 x 10 m

2000w max.

DIM 1-10V

KNX

LiveLink

2,5 - 3,5 m

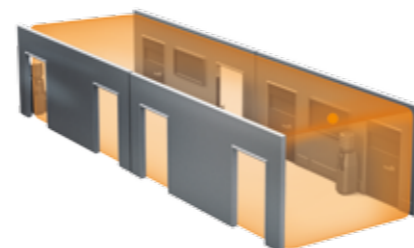
10 - 1000 lux

TEACH mode

iQ IQ-mode

energy saving

5 years functional warranty



EAN Single, US COM1	4007841 007966
EAN Single US, COM2	4007841 007973
EAN Single US, DIM	4007841 007980
EAN Single US, KNX	4007841 029487
EAN Single US, LiveLink	4007841 008437



You will find information on the interfaces from page 112 onwards.

You will find the LiveLink version on page 144.

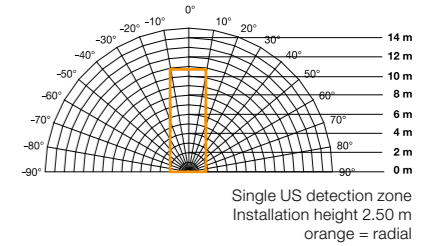
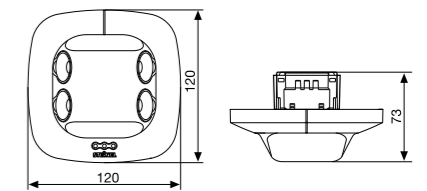
You will find technical specifications on KNX products in the KNX brochure.

Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 73 mm
Power supply	220–240 V, 50 / 60 Hz
Sensor type	Ultrasonic 40 kHz
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 3.5 m
Angle of coverage	Corridor, one direction
Reach	3 x 10 m
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (via optional remote control RC8)
Twilight setting	10–1000 lx
Twilight setting DIM	100–1000 lx, ∞/daylight
IP rating	IP20
Temperature range	-25 to +55°C
Enclosure	UV-resistant plastic, paintable

Optional accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151
EAN surface-mounting adapter AP Box	4007841 000363
EAN guard cage	4007841 003036
EAN Kaiser junction box for false ceilings	4007841 000370
EAN clamping-type ceiling adapter	4007841 002855

Refer to the 'Accessories' section for further information.



Presence Detectors

Optional remote controls refer to page 254



Optional surface-mounting adapters refer to page 254



Optional guard cage refer to page 254

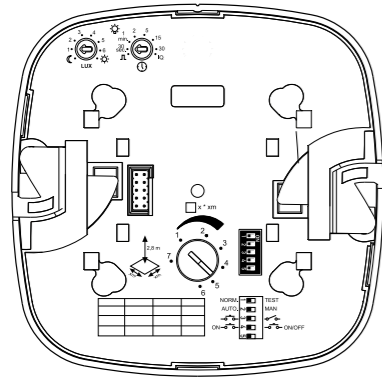
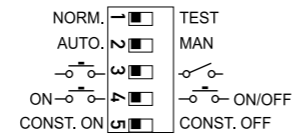


Presence Detector Interfaces

Open to all common networks. STEINEL Professional presence detectors are designed as team players. They are available either with COM1, COM2, DALI, DIM, KNX or LiveLink interfaces, making them easy to integrate as field devices in building networks. The interface to select depends on the applications that are planned. Presence Control PRO devices can be used for operat-

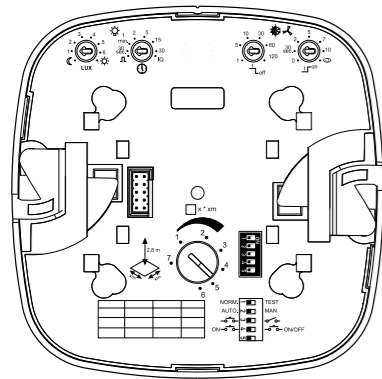
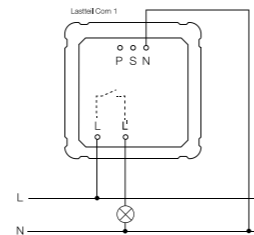
ing and controlling all sorts of different functions: not only for switching light ON and OFF automatically, but also heating, ventilation and air-conditioning systems. Controlling light as and when it is needed; pre-selected settings can be used for maintaining a constant level of lighting in a room – in relation to daylight. Furthermore, they can also provide surveillance-only functions.

DIP-switch assignment
 DIP 1: Normal / test mode
 DIP 2: Semi- / fully automatic mode
 DIP 3: Pushbutton / switch mode
 DIP 4: Pushbutton ON / pushbutton ON-OFF
 DIP 5: Constant-lighting control ON-OFF (DIM/DALI)



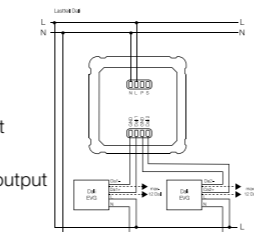
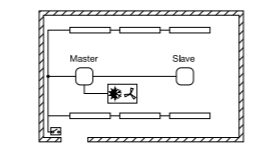
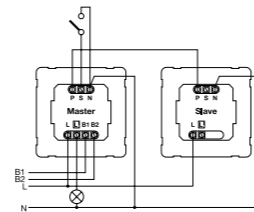
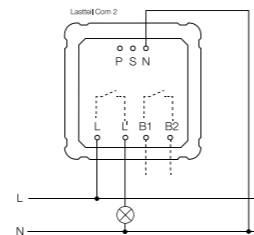
COM1 – COM1 AP

Power supply 220–240 V; 50 / 60 Hz
Output, relay 230 V
 Resistive load max. 2000 W (cos φ = 1)
 Resistive load max. 1000 W (cos φ = 0.5)
 Inrush current max. 800 A / 200 μs
 • 30 x (1 x 18W), 25 x (2 x 18W)
 • 25 x (1 x 36W), 15 x (2 x 36W)
 • 20 x (1 x 58W), 10 x (2 x 58W)
 Note: each electronic ballast has its own particular inrush current. A relay or contactor must be provided on line side for higher switching capacities.
Time setting 30 sec – 30 min, pulse mode (approx. 2 sec), IQ mode (automatic adjustment to the usage profile)



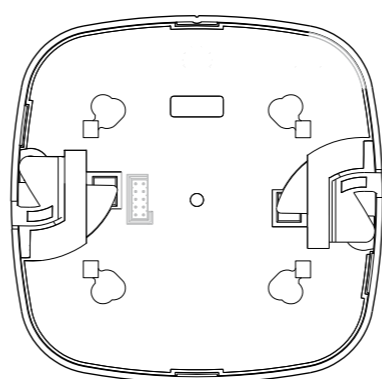
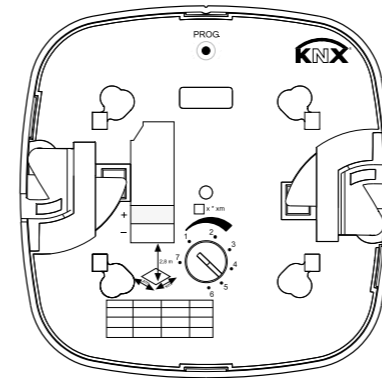
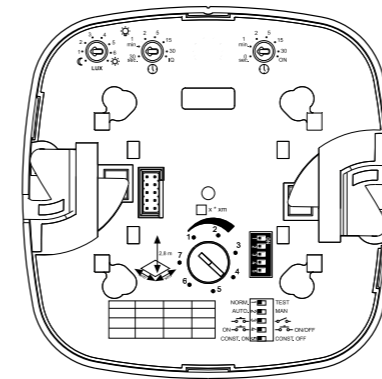
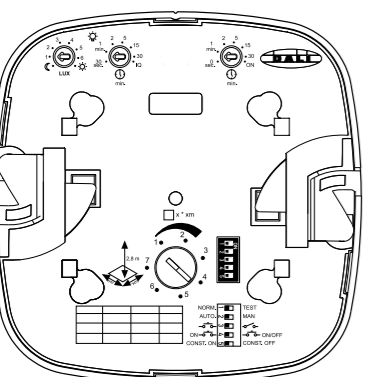
COM2

Power supply 220–240 V; 50 / 60 Hz
Output, relay 230 V
 Resistive load max. 2000 W (cos φ = 1)
 Resistive load max. 1000 W (cos φ = 0.5)
 Inrush current max. 800 A / 200 μs
 • 30 x (1 x 18W), 25 x (2 x 18W)
 • 25 x (1 x 36W), 15 x (2 x 36W)
 • 20 x (1 x 58W), 10 x (2 x 58W)
 Note: each electronic ballast has its own particular inrush current. A relay or contactor must be provided on line side for higher switching capacities.
Output, switching contact 2 presence max. 230 W / 230 V
 max. 1 A (cos φ = 1) for HVAC (heating/ventilation/air-conditioning)
Time setting for switching contact 1
 30 sec – 30 min, pulse mode (approx. 2 sec), IQ mode (automatic adjustment to the usage profile)
Time setting for switching contact 2
 Automatic room surveillance
 0 sec – 10 min ON delay,
 1 min – 2 hrs stay-ON time



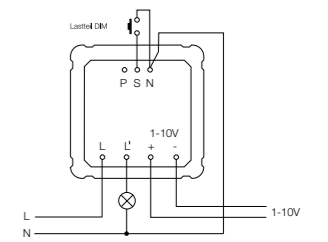
DALI

Power supply 220–240 V; 50 / 60 Hz
Time setting 30 sec - 30 min,
 IQ mode (automatic adjustment to the usage profile)
Control output, DALI output 1: 2-core DALI control cable / broadcast
DALI output 2: 2-core DALI control cable / broadcast
 Controllable DALI electronic ballasts: 12 DALI electronic ballasts per output
Basic light level 0 sec–30 min, 10–60% via RC8
Constant-lighting control



DIM

Power supply 220–240 V; 50 / 60 Hz
Output, relay 230 V
 Resistive load max. 2000 W (cos φ = 1)
 Resistive load max. 1000 W (cos φ = 0.5)
 Inrush current max. 800 A / 200 μs
 • 30 x (1 x 18W), 25 x (2 x 18W)
 • 25 x (1 x 36W), 15 x (2 x 36W)
 • 20 x (1 x 58W), 10 x (2 x 58W)
 Note: each electronic ballast has its own particular inrush current. A relay or contactor must be provided on line side for higher switching capacities.
Time setting 30 sec - 30 min,
 IQ mode (automatic adjustment to the usage profile)
Control output: 1–10 V, max. 50 electronic ballasts (max. 100mA)
Basic light level 0 sec – 30 min, 10–60% via RC8
Constant-lighting control

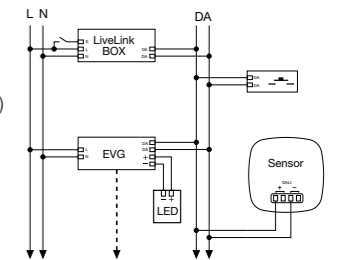


KNX

Power supply via KNX bus voltage
Settings via ETS software, remote control or bus
Light channels Light 1 – Light 4 Switching/dimming, switching mode, constant-lighting control, stay-ON time
Basic light level Permanently ON, 1–255 min, 10–50%, all night
HVAC output governed by presence
Switch-ON delay Room surveillance, 0–255 min
 Stay-ON time 1 – 255 min
Output, presence stay-ON time 1–255 sec or 1–255 min
Further outputs Light level, sabotage protection

LiveLink

Power supply: DALI bus voltage
LiveLink output 1 DALI control cable (multi-master capability for communication with the LiveLink Box)
Setting capabilities via LiveLink APP
 • Reach setting
 • Twilight setting
 • Time setting
 • Semi-automatic / fully automatic
 • Constant-lighting control
 • Interconnecting several sensors
 • Teach mode
 • Test mode
 • Daytime operation
 • IQ mode
 • Basic brightness
Time setting 1 min – 60 min,
 IQ mode (automatic adjustment to the usage profile)
Power consumption LiveLink Box
 6 mA 3-user IR Quattro HD LiveLink
 12 - 22.5 V, no SELV
 16 mA 8-user DUAL HF LiveLink
 7.4 mA 4-user HF 360 LiveLink 13 V



Air Control PRO Signal

**For better air quality.
And fewer headaches.**

Bright minds need good air for thinking. But in meeting, training and conference rooms the concentration of CO₂ soon reaches levels that cause drowsiness without anyone actually noticing. The Air Control PRO Signal's CO₂ sensor monitors air quality and responds to rising CO₂ concentration levels. Indicating air quality by means of green, amber and red LEDs, it automatically switches the ventilation ON provided it is connected to the air-conditioning system. The intelligent detector is self-calibrating, provides an acoustic warning and matches the design of STEINEL's presence detectors.

CO₂
indoor
sensor

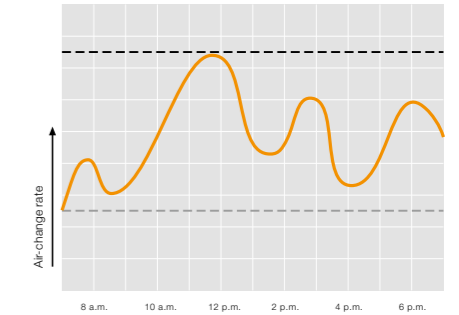
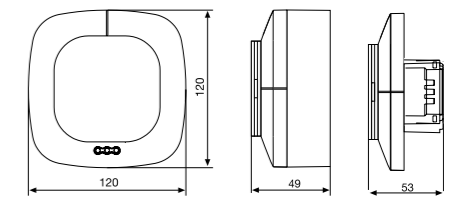
↑↑
2,5-10m

5 JAHRE
GARANTIE
functional
warranty

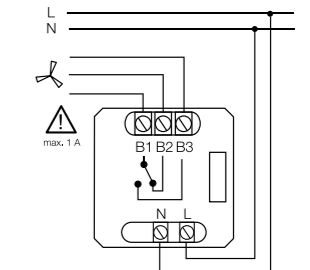
CONTROL
PRO
SYSTEM



EAN Air Control PRO Signal UP (concealed)4007841 592608
 EAN Air Control PRO Signal AP (surface-mounted)4007841 592707
 Dimensions (H x W x D) UP 120 x 120 x 53 mm
 Dimensions (H x W x D) AP 120 x 120 x 49 mm
 Where to use Indoors
 Installation Ceiling
 Type of gas CO₂
 Mains voltage 230 VAC
 Warning mode Visual / acoustic
 Operating voltage 230 V
 CO₂ measuring range 400 - 2000 ppm
 Accuracy CO₂ 5% of concentration level measured ± 150ppm
 (at 25 °C and 1013 hPa)
 LED indicator
 Green: . . . up to 1000 ppm CO₂ (light ON permanently, can be switched OFF)
 Amber: . . . from 1000 ppm CO₂ to 1500 ppm CO₂ (light permanently ON),
 Red: . . . over 1500 ppm CO₂ (flashing)
 Acoustic warning: . . . every 5 min. above 1500 ppm CO₂ (can be deactivated)
 Dependence on temperature CO₂ < 5 ppm pro °C
 Temperature (storage) -40 - +70 °C
 Relay (function) Relay ON from 1200 ppm,
 relay OFF below 800 ppm
 (falling CO₂ concentration)
 Response time (T90) 5 min.
 Signal output Contact type: type 1.3
 Enclosure UV-resistant plastic
 IP rating IP20



black = max. constant air-change rate
 amber = required air-change rate
 green = minimum air-change rate



Presence
Detectors








BLS

Presence detectors BLS.

Our classic one.

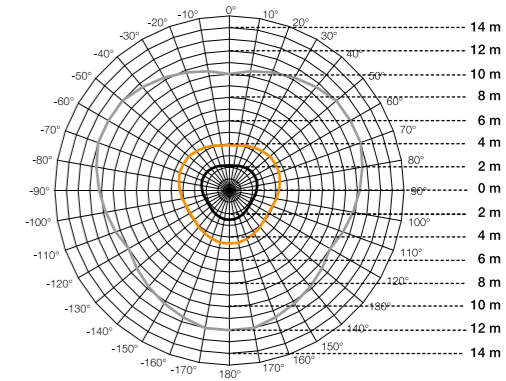
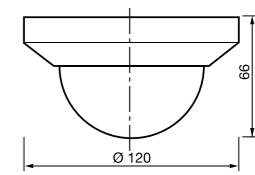
The BLS takes care of managing lighting for larger-type rooms. The multi-sensor system permanently provides optimum illumination and has a positive effect on well-being and productivity - while also cutting energy costs. Connected in parallel, three pyro sensors register whether people are present, with a light sensor measuring ambient brightness. The BLS presence detector uses these measurements as the basis for switching connected light sources ON and OFF. Simply intelligent.



-  infrared sensor 360°
-  max. 12m
-  2000w max.
-  2,5-3m
-  4 min-30 min
-  energy saving
-  5 JAHRE GARANTIE functional warranty

EAN BLS	4007841 720414
Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 66 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 3 m
Output* (low-voltage halogen)	1000 W max.
Output* (resistive load, e.g. filament bulb)	2000 W max.
Output* (fluoresc. lamps with conv. ballasts, cos φ = 0.5)	1000 W max.
Output* max. number of electronic ballasts	16 x (1 x 36 W), or 12 x (2 x 36 W), or 12 x (1 x 58 W), or 8 x (2 x 58 W)
Angle of coverage	360° with 180° angle of aperture
Capability of masking out individual segments	Yes
Reach, presence	∅ 4 m
Reach, radial	∅ 8 m
Reach, tangential	∅ 12 m
Sensor system	11 detection levels, 1320 switching zones
Response brightness	20-1300 lux, ∞/daylight
Time setting	4 min. - 30 min., pulse mode (approx. 2 sec.)
Manual override	approx. 2 hrs.
IP rating	IP20
Protection class	II
Temperature range	-20 to +50 °C

*A relay or contactor must be provided on line side for higher switching capacities.



BLS detection zone
Installed height 2.80 m
grey = tangentially
orange = radially
black = presence

Presence Detectors



Multi-lens



Shrouds





IR 180 UNIVERSAL



IR 180



HF 180

Indoors	•	•	•
COM1		•	•
COM2		•	•
DALI		•	•
KNX		•	•
Sensor	PIR	PIR	HF
Connection	2-wire	3-wire	3-wire
Detection zones	max. 20 m	max. 20 m	max. Ø 1 – 8 m
Page	120	122	124

Switches on every lamp without flickering.

Back to the future. Modern lamps make sense, are fun and are being installed in all applications. Unfortunately, however, the combination of conventional 2-wire switches and energy-saving lamps often results in flickering. Trouble-free, reduced power consumption is only possible here by using halogen lamps. STEINEL now offers a solution to this problem.

The IR 180 UNIVERSAL features a super-capacitor and electrical isolation of the cable via a relay to prevent leakage currents. As a result, any lamp can be switched on without flickering. A small invention with great effects and a true global first.

IR 180 UNIVERSAL

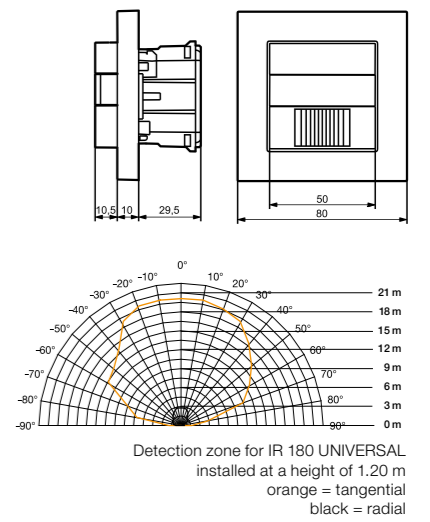
The world first for modernisation and refurbishment.

You can now upgrade existing buildings with state-of-the-art technology in next to no time. The infrared sensor switch IR 180 UNIVERSAL in a 2-wire design makes it possible. It can be installed with conventional 2-wire cables, making it a real sensation. The integrated SuperCap, which feeds the sensor switch in the event of a power interruption, ensures perfect operation thanks to the zero-watt standby mode consumption. This means it can switch every lamp on and off, making it a future-proof investment. The IR 180 UNIVERSAL comes in a completely new design and can be installed quickly and easily in all existing walls.

CONTROL
PRO
SYSTEM

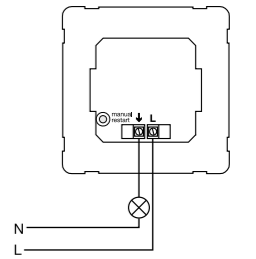


EAN IR 180, UNIVERSAL, white 4007841 033149
 EAN IR 180, UNIVERSAL, silver 4007841 033132
 Type Presence switch
 Dimensions (H x W x D) 80 x 80 x 20.5 mm
 Power supply 220-240 V, 50 / 60 Hz
 Power consumption 0 W, charge current depending on lamp
 Storage technology Super-capacitor energy storage
 Sensor type Passive infrared
 Where to use Indoors
 Installation Wall
 Recommended installation height min. 1.1 m
 Output max. 200W,
 max. 6 fluorescent lamps / LED lamps, C ≤ 132 µF
 max. 100 VA (cos φ = 0.5)
 Angle of coverage 180°
 Reach max. 20 m
 Twilight setting 2-1000 lx
 Time setting 30 sec-15 min
 User-friendly settings Normal / test operation,
 fully / semi-automatic, switch active / switch inactive, ON / ON-OFF
 IP rating IP20
 Temperature range 0 to +40°C
 Enclosure UV-resistant plastic, paintable



Optional accessories

EAN adapter for Busch-Jaeger, white 4007841 034139
 EAN adapter for Busch-Jaeger, silver 4007841 034146
 EAN adapter for Jung, white 4007841 034184
 EAN adapter for Jung, silver 4007841 034177
 EAN adapter for Feller, white 4007841 034160
 EAN adapter for Feller, silver 4007841 034153



Also suitable for parallel operating mode.
 Further circuit diagrams starting on page 286

	Halogen	T5	LED	CFL
IR 180 Universal	✓	✓	✓	✓
Conventional 2-wire switch	✓	—	—	—



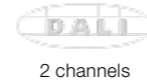
Optional adapters made of UV-resistant plastic



IR 180

**The new standard for infrared sensor switches.
New design, intelligent technology, fast installation.**

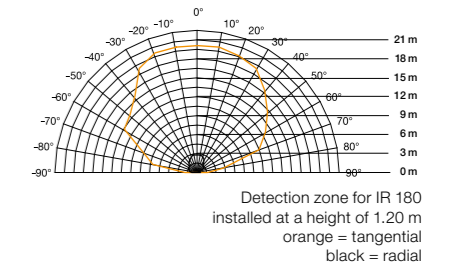
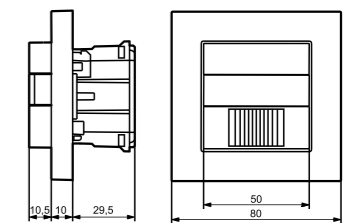
The IR 180 is the solution if infrared sensor switches are planned in new or existing buildings where 3-wire cabling exists or is planned. 180 denotes the sensor's huge angle of coverage. It misses absolutely nothing, neither to the left or right. The IR 180 also comes in a new design and can be installed quickly and easily. The KNX version also indicates the temperature and humidity levels measured.



CONTROL
PRO
SYSTEM



EAN IR 180 COM1, white	4007841 029944
EAN IR 180 COM1, silver	4007841 032982
EAN IR 180 COM2, white	4007841 033002
EAN IR 180 COM2, silver	4007841 032999
EAN IR 180 DALI, white	4007841 033026
EAN IR 180 DALI, silver	4007841 033019
EAN IR 180 KNX, white	4007841 032975
EAN IR 180 KNX, silver	4007841 032968



You will find information on the interfaces from page 126 onwards.
You will find technical specifications on KNX products in the KNX brochure.

Type Presence switch
Dimensions (H x W x D) 80 x 80 x 20.5 mm
Power supply 220–240 V, 50 / 60 Hz
Sensor type Passive infrared
Where to use Indoors
Installation Wall
Recommended installation height min. 1.1 m
Output COM1, COM2 max. 2000W, max. 8 fluorescent lamps /
..... LED lamps, C ≤ 132 µF
Output DALI 2 x 2-conductor DALI control line / broadcast
..... for 2 x 12 electronic ballasts, switching operation
Angle of coverage 180°
Reach max. 20 m
Twilight setting 2–1000 lx
Time setting 30 sec–30 min
User-friendly DALI functions Constant-lighting control,
..... basic light at 10–50% for 0–30 min or all night long
IP rating IP20
Temperature range 0 to +40°C
Enclosure UV-resistant plastic, paintable

Optional accessories

EAN adapter for Busch-Jaeger, white	4007841 034139
EAN adapter for Busch-Jaeger, silver	4007841 034146
EAN adapter for Jung, white	4007841 034184
EAN adapter for Jung, silver	4007841 034177
EAN adapter for Feller, white	4007841 034160
EAN adapter for Feller, silver	4007841 034153
EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151



white

silver



Optional remote controls refer to page 254



Optional adapters made of UV-resistant plastic



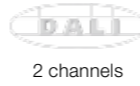
HF 180

Reliably detects through partition walls.

High-frequency technology meets top-calibre design!

Producing an angle of coverage of 180°, the sensor switch HF 180 not only scores top marks in performance, it looks great too. The HF sensor technology detects every movement and switches instantly. The solution for offices, entrance rooms and wash-room facilities where movement needs detecting through thin partition walls. Intelligent technology that not only looks good, but is also easy to install. The KNX version also indicates the temperature and humidity levels measured.

CONTROL
PRO
SYSTEM



EAN HF 180 COM1, white	4007841 032883
EAN HF 180 COM1, silver	4007841 032890
EAN HF 180 COM2, white	4007841 032913
EAN HF 180 COM2, silver	4007841 032906
EAN HF 180 DALI, white	4007841 032937
EAN HF 180 DALI, silver	4007841 032920
EAN HF 180 KNX, white	4007841 032876
EAN HF 180 KNX, silver	4007841 032869



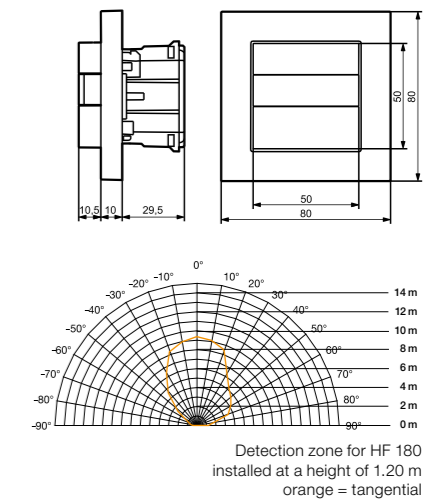
You will find information on the interfaces from page 126 onwards.

You will find technical specifications on KNX products in the KNX brochure.

Type	Presence switch
Dimensions (H x W x D)	80 x 80 x 20.5 mm
Power supply	220-240 V, 50 / 60 Hz
Sensor type	High frequency
Where to use	Indoors
Installation	Wall
Recommended installation height	min. 1.1 m
Output COM1, COM2	max. 2000W, max. 8 fluorescent lamps / LED lamps, C ≤ 132 µF
Output DALI	2 x 2-conductor DALI control line / broadcast for 2 x 12 electronic ballasts, switching operation
Angle of coverage	180°
Reach	max. Ø 1-8 m
Twilight setting	2-1000 lx
Time setting	30 sec-30 min
User-friendly DALI functions	Constant-lighting control, basic light at 10-50% for 0-30 min or all night long
IP rating	IP20
Temperature range	0 to +40°C
Enclosure	UV-resistant plastic, paintable

Optional accessories

EAN adapter for Busch-Jaeger, white	4007841 034139
EAN adapter for Busch-Jaeger, silver	4007841 034146
EAN adapter for Jung, white	4007841 034184
EAN adapter for Jung, silver	4007841 034177
EAN adapter for Feller, white	4007841 034160
EAN adapter for Feller, silver	4007841 034153
EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN remote control Smart Remote	4007841 009151



Optional remote controls refer to page 254



Optional adapters made of UV-resistant plastic



Presence Switch Interfaces

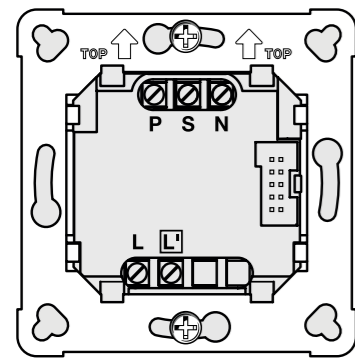
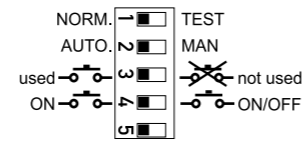
Team player with numerous connections.

STEINEL presence switches with 3-wire cabling are available in a number of different versions. Depending on the application you are planning, you can choose between COM1, COM2, DALI or KNX. With COM1, lighting can be switched ON and OFF automati-

cally. The COM2 interface additionally allows you to control heating, ventilation and air-conditioning systems. DALI provides a digital DIM interface for controlling 2 lighting channels, with KNX letting you use your presence switches for automating buildings as well as for controlling 4 lighting channels and HVAC.

DIP-switch assignment

- DIP 1: Normal / test mode
- DIP 2: Semi- / fully automatic mode
- DIP 3: Pushbutton / switch mode
- DIP 4: Pushbutton ON / pushbutton ON-OFF
- DIP 5: Constant control ON-OFF (DALI)



COM1

COM1

Power supply 220–240 V; 50 / 60 Hz

Output, relay 230 V

Resistive load max. 2000 W (cos φ = 1)

Resistive load max. 1000 W (cos φ = 0.5)

Inrush current max. 800 A / 200 μs

- 30 × (1 × 18W), 25 × (2 × 18W)

- 25 × (1 × 36W), 15 × (2 × 36W)

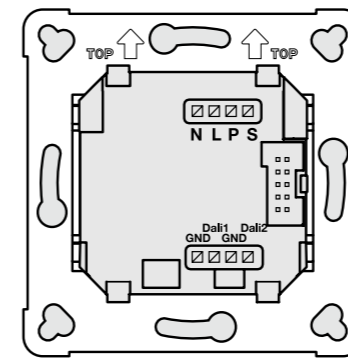
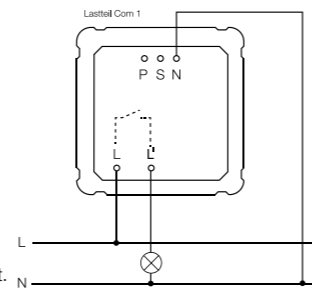
- 20 × (1 × 58W), 10 × (2 × 58W)

Note: each electronic ballast has its own particular inrush current.

A relay or contactor must be provided on line side

for higher switching capacities.

Time setting 30 s - 30 min, pulse mode (approx. 2 sec), time setting, IQ mode (automatic adjustment to the usage profile)



DALI

DALI

Power supply 220–240 V; 50 / 60 Hz

Time setting 30 sec - 30 min,

IQ mode (automatic adjustment to the usage profile)

Control output

DALI output 1: 2-core DALI control cable / broadcast

DALI output 2: 2-core DALI control cable / broadcast

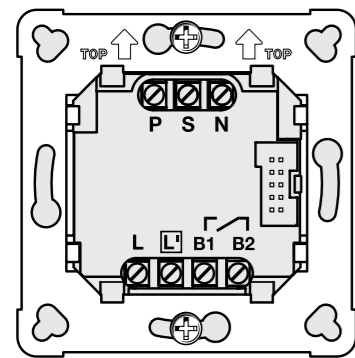
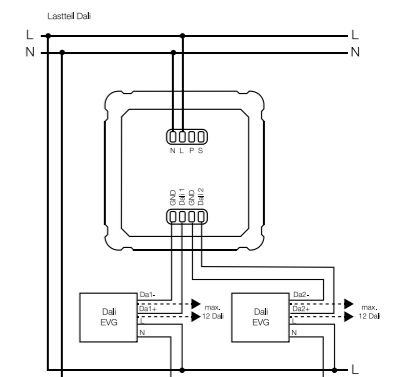
Controllable DALI electronic ballasts:

12 DALI electronic ballasts per output

Basic brightness 10-50% for 0-30 min

or all night

Constant-lighting control



COM2

COM2

Power supply 220–240 V; 50 / 60 Hz

Output, relay 230 V

Resistive load max. 2000 W (cos φ = 1)

Resistive load max. 1000 W (cos φ = 0.5)

Inrush current max. 800 A / 200 μs

- 30 × (1 × 18W), 25 × (2 × 18W)

- 25 × (1 × 36W), 15 × (2 × 36W)

- 20 × (1 × 58W), 10 × (2 × 58W)

Note: each electronic ballast has its own particular inrush current.

A relay or contactor must be provided on line side

for higher switching capacities.

Output, switching contact 2 presence

max. 230 W / 230 V

max. 1 A, (cos φ = 1)

for HVAC (heating, ventilation, air-conditioning)

Time setting for switching contact 1

30 sec - 30 min, pulse mode (approx. 2 sec), time setting, IQ mode (automatic adjustment to the usage profile)

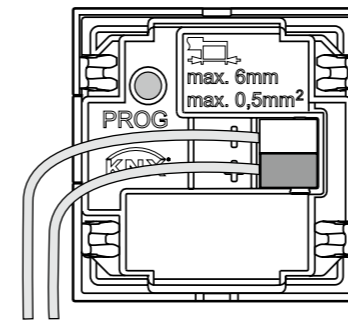
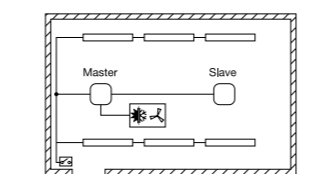
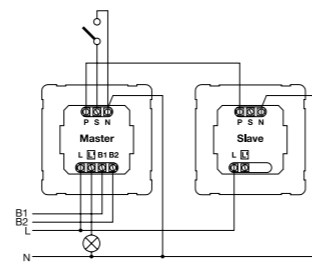
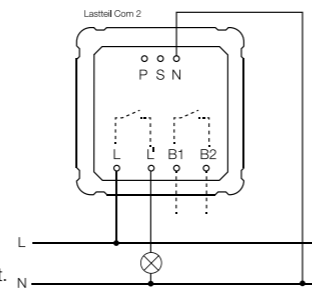
Time setting for switching contact 2

Automatic room surveillance

0 s - 10 min switch-ON delay,

5-15 min stay-ON time via (RC),

1 min - 2 h stay-ON time via Smart Remote



KNX

KNX

Power supply via KNX bus voltage (SELV)

Settings via ETS software, remote control or bus

Light channels Light 1 – Light 4 Switching/dimming, switching mode, constant-lighting control

Basic brightness stay-ON time 1 - 255 min, all night

Basic light level OFF / 1% - 100%

HVAC output governed by presence

Switch-ON delay room surveillance, 10 - 255 min

Stay-ON time 1 – 255 min

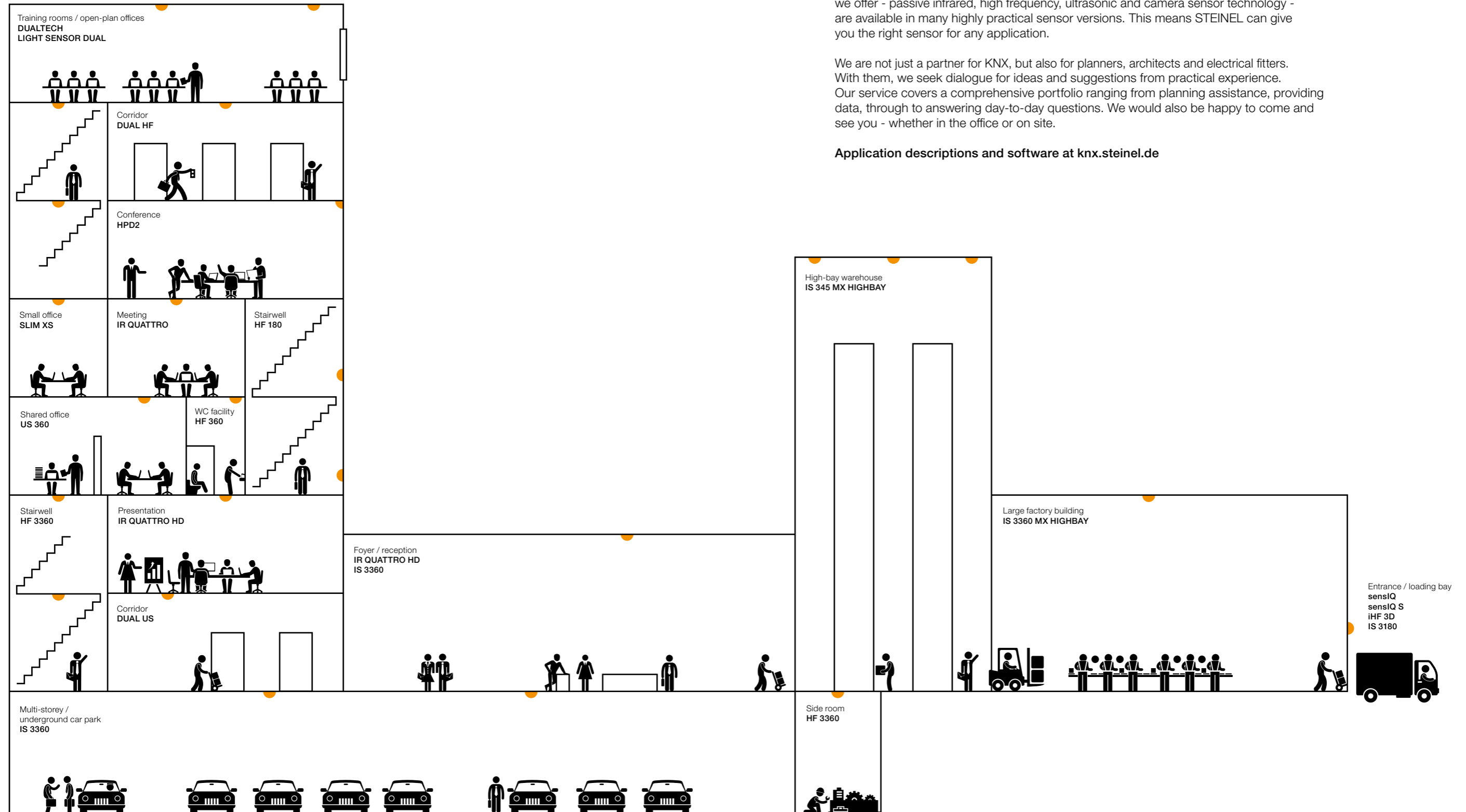
Output, presence stay-ON time 1 - 255 s or min

Further outputs Light level, scene control,

sabotage, temperature, humidity, button

Humidity range 10 - 90%





The right KNX sensor for any application.

The language of home and building automation is KNX. There are millions of successful KNX installations across Europe and worldwide. With the largest sensor programme worldwide, STEINEL provides the "sensory organs" for KNX. The sensor technologies we offer - passive infrared, high frequency, ultrasonic and camera sensor technology - are available in many highly practical sensor versions. This means STEINEL can give you the right sensor for any application.

We are not just a partner for KNX, but also for planners, architects and electrical fitters. With them, we seek dialogue for ideas and suggestions from practical experience. Our service covers a comprehensive portfolio ranging from planning assistance, providing data, through to answering day-to-day questions. We would also be happy to come and see you - whether in the office or on site.

Application descriptions and software at knx.steinel.de

The STEINEL KNX Range

Presence detectors – passive infrared



Example application	Conference room	Classroom	Small office	Small office
Detection zone	Presence: 8 x 8 m	Presence: 4 x 4 m	Presence: 4 x 4 m	Presence: 4 x 4 m
Mounting height	2.5 – 10 m	2.5 – 8 m	2.5 – 4 m	2.5 – 4 m
EAN square	4007841 008789	4007841 008772	4007841 008888	4007841 033033
EAN round				4007841 035228

Presence detectors – high-frequency



Example application	Aisle	Bathroom
Detection zone	20 x 3 m	max. Ø 12 m
Mounting height	2.5 – 3.5 m	2.5 – 3.5 m
EAN	4007841 008802	4007841 008796

Presence detectors – ultrasonic



Example application	Classroom	Corridor	Aisle	Classroom
Detection zone	Presence: Ø 6 m	20 x 3 m	10 x 3 m	Presence: Ø 6 m
Mounting height	2.5 – 3.5 m	2.5 – 3.5 m	2.5 – 3.5 m	2.5 – 3.5 m
EAN	4007841 029463	4007841 029470	4007841 029487	4007841 029494

Presence switches Infrared/ high frequency



Example application	Hotel corridor	WC facility
Detection zone	max. 20 m	max. Ø 8 m
Mounting height	1.2 m	1.2 m
EAN white	4007841 032975	4007841 032876
EAN silver	4007841 032968	4007841 032869

Outdoor sensors



Example application	Entrances, loading ramps, exterior facades		
Detection zone	1 - 7 m	3 x 20 m	3 x 20 m
Mounting height	2 m	2 - 5 m	2 - 5 m
EAN white	4007841 007607	4007841 029593	4007841 004064
EAN black	4007841 007614	4007841 029609	4007841 004057
EAN anthracite (stainl. steel for sensiQ)	4007841 007621	4007841 029616	4007841 004040

Camera sensor system



Example application	Conference room
Detection zone	max. 15m
Mounting height	2.5 - 6 m
EAN	4007841 033200

Motion detectors – 3000 series



Example application	Multi-storey car park	Long corridor	WC facilities	Conference rooms, offices
Detection zone	max. 20m	max. 23 x 4 m	Ø 1 – 8 m	
Mounting height	2.5 - 4 m	2.5 - 5 m	2 - 2.8 m	4 m
EAN surface-mounted inst., square	4007841 011635	4007841 011659	4007841 011673	4007841 011727
EAN surface-mounted inst., round	4007841 033538	4007841 033880	4007841 033767	4007841 033644
EAN concealed installation, square	4007841 033545	4007841 033897	4007841 033774	4007841 033637
EAN concealed installation, round	4007841 033552	4007841 033903	4007841 033781	4007841 033651



Example application	High-bay warehouse area	High-bay warehouse, aisle	Exterior facade aisle
Detection zone	max. 18m	max. 30 x 4 m	max. 20m
Mounting height	4 - 14 m	4 - 14 m	2m
EAN surface-mounted inst., square	4007841 011642	4007841 011666	4007841 011628
EAN concealed installation, square	4007841 033613	4007841 033941	-



You will find further information on the KNX range in the separate KNX brochure



Light management, revolutionarily simple

LiveLink is the new DALI-based light management system developed by STEINEL in cooperation with the lighting specialist TRILUX. What used to be very complex and time-consuming can now be configured with LiveLink in just a few minutes without any specialist knowledge or programming experience. Operation is simple and intuitive via tablet or smartphone. The LiveLink app assists you step by step through the installation process. Common application scenarios, such as in an office or classroom, are stored as so-called Use Cases and make planning particularly simple. Special, highly sensitive LiveLink sensors from STEINEL permit precision lighting control in line with room use and the prevailing level of daylight.

This means it provides electrical fitters and users with professional and yet simple and secure access to the possibilities of lighting control. Almost every segment and application can benefit from LiveLink because it caters to any scenario and standard.

Benefits from STEINEL

- LiveLink sensors with infrared, high-frequency and ultrasonic technology
- Fast, easy start-up via app
- An integrated, autonomous Wi-Fi network provides optimum connection and security



LiveLink. Software developed for today's electrical fitters.

In cooperation with planners, architects, electrical fitters and users, we placed the greatest value on the needs of the users when developing this software. The graphic user interface and the intuitive user prompts are proving to be great advantages in practice. These not only make fast, easy work of installing the LiveLink components, but also of configuring them and setting them for the specific situation.



The app. Plan intelligently and configure via drag and drop.

For commissioning, the "LiveLink Install" app provides the fitter with numerous intelligent functions for configuring the light management system quickly, accurately and easily. The LiveLink apps are available for both the iOS and Android operating systems and are extremely user-friendly. The "LiveLink Control" app allows the end user to adjust light quickly and simply to personal or situational demands.



Intuitive operation

LiveLink anticipates. Many applications are already preconfigured.

To simplify the planning and installation of lights, LiveLink offers the user a series of preset room configurations. These "Use Cases" give the user the certainty of optimised lighting configured in compliance with industry standards. Grouping lights and presetting them accordingly ensures that the electrical fitter can commission the light management system without any effort at all.



Search for Use Case

Assign components



Assign sensor functions

Done

The right solution for every building and every application.

LiveLink combines knowledge of architectural conditions and various segment-specific requirements. It provides electrical fitters and users with professional and yet simple and secure access to the possibilities of lighting control. This way, almost every segment and application can benefit from LiveLink because it caters to any scenario and standard.



Office



Industry



Health care



Shop



At home



Education



The LiveLink system can be fitted with all DALI lights. This is where TRILUX comes in, with a comprehensive range of options for all sorts of different applications, giving planners and architects broad creative flexibility in providing optimum lighting for any situation.

LiveLink

Addressable DALI - simpler than ever before.

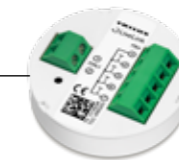
Light management was never more reliable and quicker to plan, install and operate than it is with LiveLink. With just one control device and two convenient apps, individually definable spaces can be configured and controlled in next to no time. Installing LiveLink starts with conventional DALI wiring: the components - lights, sensors and switches - are connected to the control device via DALI. The control device and lights also require a standard mains power connection.



With the "LiveLink Install" app, the LiveLink system offers the appropriate software for configuration and commissioning. The "LiveLink Control" app is for the user and can be operated from tablets or smartphones for setting the brightness of lights or for selecting lighting scenarios.



The control box features a DALI interface and can be controlled via tablet, smartphone or switch. It can operate up to 16 light groups and 64 individual components. An integrated, autonomous Wi-Fi network provides optimum connection and security. The Connect control box also makes it possible to interconnect several control boxes in a master-slave network.



The LiveLink switch coupler provides the capability of integrating up to four standard switches into the the Live-Link system. Installed simply behind the switches in the concealed box. Saved lighting scenarios can be assigned to individual buttons, making them available for selection in everyday use at the press of a button.



The "sensory organs" of the LiveLink system are the STEINEL sensors from the LiveLink series. Whether infrared, high-frequency technology or ultrasonic technology, whether room, corridor or light sensor, the range offers the right sensor for any application.

LiveLink products at a glance



LiveLink control box

Dimensions (HxWxD): 21x204x30mm
 Power supply: 220 - 230 V, 50 / 60 Hz
 Interfaces: DALI and Wi-Fi
 DALI supply: integrated DALI bus supply, max. 64 bus users
 WiFi connection: 868 MHz
 Commissioning: via tablet and LiveLink Install app
 Control: via smartphone/tablet and LiveLink Control app
 Additional inputs: switch input (230 V) with touch-dim function for one or more lighting groups or for selecting programmed lighting scenarios
 Material: plastic
 EAN 4007841 013653

LiveLink Connect control box (suitable for interconnecting several LiveLink control boxes in the master-slave network)

Dimensions (HxWxD): 21x204x30mm
 Power supply: 220 - 230 V, 50 / 60 Hz
 Interfaces: DALI and WiFi
 DALI supply: integrated DALI bus supply, max. 64 bus users
 WiFi connection: 868 MHz
 Commissioning: via tablet and LiveLink Install app
 Control: via smartphone/tablet and LiveLink Control app
 Additional inputs: switch input (230 V) with touch-dim function for one or more lighting groups or for selecting programmed lighting scenarios
 Material: plastic
 EAN 4007841 035129



Switch coupler: 4x DALI

Dimensions (ØxH): Ø50x16mm
 Power supply: DALI bus voltage
 Current consumption: 1 DALI user (2 mA)
 Inputs: 4 inputs for conventional switches
 Start-up: via tablet and LiveLink-Install app
 Functions, freely selectable during commissioning: touch-dim function of one or more light groups, selecting programmed light scenarios
 Material: plastic
 EAN 4007841 013660



LiveLink KNX Gateway

Integration of LiveLink components into KNX building automation.
 EAN 4007841 034009



IR Quattro HD LiveLink

Dimensions (W x H x D): 120x120x70mm
 Power supply: DALI bus voltage
 Current consumption: 3 DALI users (6 mA)
 Sensor technology: passive infrared, 4800 switching zones, 4 pyro sensors
 Mechanically scalable reach
 Angle of coverage: 360°
 Mounting height: max. 10 m
 Reach (H = 2.8 m): max. 8 x 8 m presence/radial, max. 20 x 20 m tangential
 Settings: via LiveLink app
 Light level: 10-1000 lux, daylight operation
 Time setting: 1 - 60 min, IQ mode
 User-friendly functions: motion detection, light-level measurement, time setting, semi-automatic / fully automatic, teach mode, constant-lighting control
 IP rating: IP20
 Temperature range: -25°C to +55°C
 Material: UV-resistant plastic (casing), HDPE (lens)
 EAN 4007841 009717



IR Micro LiveLink

Dimensions (Ø x D) Ø 80 x 20.5 mm
 Power supply: DALI bus voltage
 Current consumption: 2 DALI users (4 mA)
 Sensor technology: passive infrared
 Angle of coverage: 360° with 90° angle of aperture
 Mounting height: 2.8 m
 Reach: 4 x 4 m presence and radial, 6 x 6 m tangential
 Settings: via LiveLink app
 Light level: 2-1000 lux
 Time setting: 1 - 60 min, IQ mode
 User-friendly functions: motion detection, reach setting, brightness measurement, constant-lighting control, semi-automatic / fully automatic, teach mode, test mode, daylight mode
 IP rating: IP20
 Temperature range: 0°C to +40°C
 Material: UV-resistant plastic (casing), HDPE (lens)
 EAN 4007841 009748



IR Quattro SLIM XS LiveLink

Dimensions (HxWxD) 80x80x51 mm
 Power supply: DALI bus voltage
 Current consumption: 2 DALI users (4 mA)
 Sensor technology: passive infrared
 Angle of coverage: 360°
 Mounting height: max. 4 m
 Reach: 4 x 4 m presence, radial, tangential
 Settings: via LiveLink app
 Time setting: 1 - 60 min, IQ mode
 Twilight setting: 2 - 1000 lux
 User-friendly functions: motion detection, reach setting, brightness measurement, constant-control, time setting, semi-automatic / fully automatic, teach mode, test mode, daylight operation
 IP rating: IP20
 Temperature range: 0°C to +40°C
 Material: UV-resistant plastic (casing), HDPE (lens)
 EAN 4007841 033040 (square)
 EAN 4007841 035235 (round)



LiveLink products at a glance



Dual HF LiveLink

Dimensions (W x H x D): 120 x 120 x 75 mm
 Power supply: DALI bus voltage
 Current consumption: 8 DALI users (16 mA)
 Sensor technology: high frequency, 5.8 GHz
 Angle of coverage: corridor
 Mounting height: max. 3.5 m
 Reach (H = 2.8 m): max. 20 x 3 m,
 (10 x 3 m in each direction)
 Settings: via LiveLink app
 Light level: 10-1000 lux, daylight operation
 Time setting: 1 - 60 min, IQ mode
 User-friendly functions: motion detection,
 light-level measurement, time setting,
 semi-automatic / fully automatic, teach mode,
 constant-lighting control
 IP rating: IP20
 Temperature range: -25 to +55°C
 Material: UV-resistant plastic
 EAN 4007841 009700



HF 360 LiveLink

Dimensions (W x H x D): 120 x 120 x 56 mm
 Power supply: DALI bus voltage
 Current consumption: 4 DALI users (8 mA)
 Sensor technology: high frequency, 5.8 GHz
 Angle of coverage: 360°
 Mounting height: max. 3.5 m
 Reach (H = 2.8m): max. Ø 12 m
 Settings: via LiveLink app
 Light level: 10-1000 lux, daylight operation
 Time setting: 1 - 60 min, IQ mode
 User-friendly functions: motion detection,
 light-level measurement, time setting,
 semi-automatic / fully automatic, teach mode,
 constant-lighting control
 IP rating: IP20
 Temperature range: -25 to +55°C
 Material: UV-resistant plastic
 EAN 4007841 033972



Single US LiveLink

Dimensions (HxWxD): 120x120x73 mm
 Power supply: DALI bus voltage
 Current consumption: 8 DALI users (16 mA)
 Sensor technology: Ultrasonic, 40 kHz
 Angle of coverage: corridor, one direction
 Mounting height: max. 3.5 m
 Reach (H = 2.8m): max. 10x3m
 Settings: via LiveLink app
 Time setting: 1 - 60 min, IQ mode
 Twilight setting: 10-1000 lux,
 daylight operation
 User-friendly functions: motion detection,
 light-level measurement, constant-lighting control,
 time setting, semi-automatic / fully automatic,
 teach mode
 IP rating: IP20
 Temperature range: -25 to +55°C
 Material: UV-resistant plastic
 EAN 4007841 008437



Dual US LiveLink

Dimensions (HxWxD): 120x120x73 mm
 Power supply: DALI bus voltage
 Current consumption: 9 DALI users (18 mA)
 Sensor technology: Ultrasonic, 40 kHz
 Angle of coverage: corridor, both directions
 Mounting height: max. 3.5 m
 Reach (H = 2.8 m): max. 20x3m
 Settings: via LiveLink app
 Time setting: 1 - 60 min, IQ mode
 Twilight setting: 10-1000 lux,
 daylight operation
 User-friendly functions: motion detection,
 light-level measurement, constant-lighting control,
 time setting, semi-automatic / fully automatic,
 teach mode
 IP rating: IP20
 Temperature range: -25 to +55°C
 Material: UV-resistant plastic
 EAN 4007841 008420



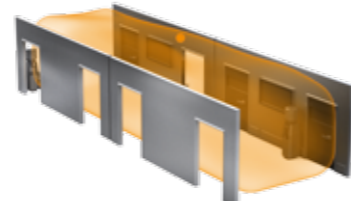
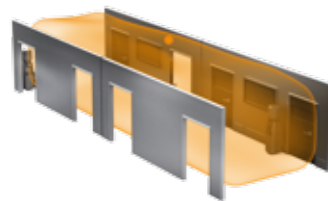
US 360 LiveLink

Dimensions: (HxWxD) 120x120x68 mm
 Power supply: DALI bus voltage
 Current consumption: 9 DALI users (18 mA)
 Sensor technology: Ultrasonic, 40 kHz
 Angle of coverage: 360°
 Mounting height: max. 3.5 m
 Reach (H = 2.8m): Ø 10 m radial,
 Ø 6 m presence/tangential
 Settings: via LiveLink app
 Time setting: 1 - 60 min, IQ mode
 Twilight setting: 10-1000 lux,
 daylight operation
 User-friendly functions: motion detection,
 light-level measurement, constant-lighting control,
 time setting, semi-automatic / fully automatic,
 teach mode
 IP rating: IP20
 Temperature range: -25 to +55°C
 Material: UV-resistant plastic
 EAN 4007841 008444



DualTech LiveLink

Dimensions: (HxWxD) 120x120x68 mm
 Power supply: DALI bus voltage
 Current consumption: 9 DALI users (18 mA)
 Sensor technology: Ultrasonic, 40 KHz +
 passive infrared
 Angle of coverage: 360°
 Mounting height: max. 3.5 m
 Reach (H = 2.8m), US: Ø 10m radial,
 Ø 6m presence/tangential
 Reach, PIR: 3 x 3 m, presence
 Settings: via LiveLink app
 Time setting: 1 - 60 min, IQ mode
 Twilight setting: 10-1000 lux,
 daylight operation
 User-friendly functions: motion detection,
 light-level measurement, constant-lighting control,
 time setting, semi-automatic / fully automatic,
 teach mode
 IP rating: IP20
 Temperature range: -25 to +55°C
 Material: UV-resistant plastic (casing),
 HDPE (lens)
 EAN 4007841 008451



LiveLink products at a glance



Light Sensor Dual LiveLink

Dimensions: (HxWxD) 42x95x95 mm
 Power supply: DALI bus voltage
 Current consumption: 3 DALI users (6 mA)
 Sensor technology: photodiode
 Angle of coverage: directed and diffuse
 Light level: 2-1000 lux
 Settings: via LiveLink app
 User-friendly functions: brightness measurement
 diffuse and directed, constant-lighting control
 Mounting: ceiling, wall
 Suitable for use: indoors and outdoors
 IP rating: IP54
 Temperature range: -20°C to +50°C
 Material: UV-resistant plastic
 EAN 4007841 009762



IS 345 MX Highbay LiveLink

Dimensions: (HxWxD) 65x95x95 mm
 Power supply: DALI bus voltage
 Current consumption: 3 DALI users (6 mA)
 Sensor technology: passive infrared
 Angle of coverage: 51° with 9° angle of aperture
 Mounting height: 4 - 14 m
 Where to use: indoors only
 Reach: max. 30 x 4 m (radial)
 Settings: via LiveLink app
 Light level: 2-1000 lux
 Time setting: 1 - 60 min, IQ mode
 User-friendly functions: motion detection,
 brightness measurement, time setting,
 semi-automatic / fully automatic, teach mode,
 test mode, daylight operation
 IP rating: IP54
 Temperature range: -20°C to +50°C
 Material: UV-resistant plastic (casing),
 HDPE (lens)
 EAN 4007841 009731

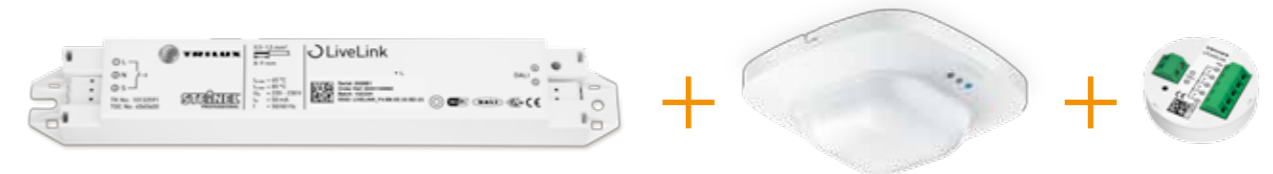


IS 3360 MX Highbay LiveLink

Dimensions: (HxWxD) 65x95x95 mm
 Power supply: DALI bus voltage
 Current consumption: 3 DALI users (6 mA)
 Sensor technology: passive infrared
 Angle of coverage: 360°
 Mounting height: 4 - 14 m
 Where to use: indoors only
 Reach: max. 18 m (tangential)
 Settings: via LiveLink app
 Light level: 2-1000 lux
 Time setting: 1 - 60 min, IQ mode
 User-friendly functions: motion detection,
 brightness measurement, time setting,
 semi-automatic / fully automatic, teach mode,
 test mode, daylight operation
 IP rating: IP54
 Temperature range: -20°C to +50°C
 Material: UV-resistant plastic (casing),
 HDPE (lens)
 EAN 4007841 009724



LiveLink Starter Kit



LiveLink Starter Kit

Includes LiveLink control box,
 IR Quattro HD LiveLink and
 switch coupler 4x DALI
 EAN 4007841 033958





The light switches ON instantly, the RS PRO LED Q1 with high-frequency technology.

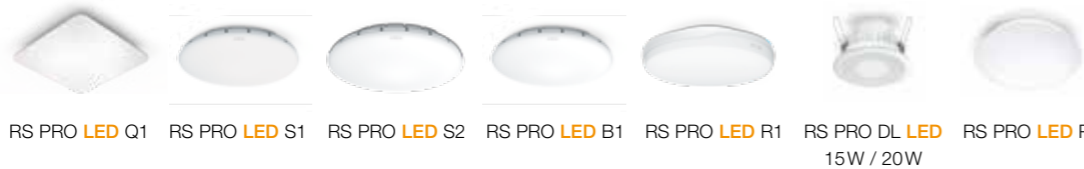
All-inclusive LED System



RS PRO LED Q1

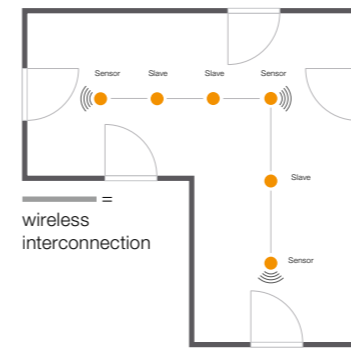
RS
PRO
SYSTEM

LED
LONG LIFE



RS PRO LED Q1 RS PRO LED S1 RS PRO LED S2 RS PRO LED B1 RS PRO LED R1 RS PRO DL LED 15W / 20W RS PRO LED P1

Impact-resistant		•	•	•			
Glass shade		•	•	•			
IP rating	IP20	IP20	IP20	IP20	IP20	IP20	IP54
Output	26W	16W	28W	13W	11W	15 / 20W	9.5W (slave: 9W)
Lumens	2351 lm	1309 lm (PC) 899 lm (glass)	1440 lm (PMMA) 1039 lm (PC) 1257 lm (glass)	690 lm (PMMA)	950 lm	838 lm (15W) 1229.9 lm (20W)	960 lm
Sensor	•	•	•	•	•	•	•
Slave						•	•
Wireless inter-connectability	•	•	•				
Wired inter-connectability					•	•	•
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Whether unconnected individual sensor-switched lights or wirelessly interconnected networks – all combinations can be provided



RS PRO LED S1

Sensor-Switched
Lights for Indoors

Designed for indoors, the RS PRO system satisfies the demands of professional lighting management to perfection. It combines cutting-edge HF-sensor technology with LED technology for maximum efficiency and energy savings. With extremely short response times, the lights from the RS PRO series provide the key to decentralised intelligent lighting control with maximum energy efficiency.

And the RS PRO series means high-tech because each light is equipped with a modern, invisibly integrated 5.8-GHz high-frequency sensor that responds to the smallest of movements regardless of temperature. This guarantees the last word in detection accuracy. This way, light is always instantly switched ON precisely at the moment when it's actually needed. It is available without any dark phase – a function that not only provides the ultimate in convenience but also maximum safety with the greatest possible energy savings.

The patented Active Thermo Control system prevents the LEDs from overheating. The heat generated at the rear of the

LEDs is directly dissipated via cooling fins integrated into the design of the lights. The temperature of the LEDs is constantly monitored electronically. Going unnoticed, the system controls output to suit demand. This provides optimum lighting at all times while protecting the LED light system.

Integrated in the light, the RS PRO LED Q1, S1 and S2 also provide the capability of 868 MHz wireless communication with a transmission power of approximately 1 mW. This makes it possible to interconnect several lights to create a group. Each light in this master/master configuration are equal. All lights connected in this way work on the basis of the swarm function and act more or less as one large lighting unit. The secure wireless protocol has a range of approximately 30 metres in buildings.

Discover the product line-up from the RS PRO series in the following pages.

Intelligent lighting control has a name:
RS PRO LED Q1.



RS PRO LED Q1

Sensor-Switched
Lights for Indoors

Waxing lyrical allowed.

The RS PRO LED Q1 adds a further highlight to the high end of the indoor LED sensor-switched indoor light range. With its homogeneously illuminated shade and ultra-slim, attractive design, it meets all today's demands on aesthetic appeal. We have also simplified installation and enhanced functionality. This means the RS PRO LED Q1 now not only lets you make all settings in the classic way using potentiometers and DIP switches but also most conveniently via Smart Remote or remote control from the floor. Remote Group Setting function (group parameterisation) makes easy work of relaying these settings to all other lights within the same wireless group. This reduces installation work to a minimum. Providing additional convenience, both the main light and basic light level can be switched ON synchronously within the entire group.

RS PRO LED Q1

Perfect light pattern. Best technology. Ultra-modern design.

More and more architects and property owners are placing exacting demands on every aspect of their lighting. The RS PRO LED Q1 has no problems meeting them all. As an LED indoor sensor-switched light of the next generation, it combines trendsetting design and customisable functionality with pioneering technology. On incredibly little energy and providing impressively homogeneous lighting. It is just as easy to install as it is to form lighting groups by wireless interconnection. Group parameterisation provides the capability of relaying all settings on to the other lights in an instant. Hard to believe that we have managed to pack all this into such a slim profile.

RS
PRO
SYSTEM

LED
LONG LIFE



LED

30 years
(\varnothing 4,5h/day)

26w

2351 lm
90,4lm/W



high frequency
sensor 360°



\varnothing 1-8m



2-2000 lux



5 sec-15 min



manual
override



10-50%
basic
brightness



networkable
wireless



soft light
start

TEACH
mode



energy
saving

5 JAHRE
GARANTIE

functional
warranty



reddot design award

EAN RS PRO LED Q1, WW, silver	4007841 007126
EAN RS PRO LED Q1, WW, white	4007841 007133
EAN RS PRO LED Q1, NW, silver	4007841 007102
EAN RS PRO LED Q1, NW, white	4007841 007119
Dimensions (H x W x D)	331 x 331 x 56 mm
Power supply	220-240 V, 50 / 60 Hz
Sensor type	High frequency
Transmitter power	approx. 1 mW
HF system	5.8 GHz
Output (lights)	26W
Luminous flux	2351 lm
Efficiency	90.4 lm/W
Colour temperature WW	3000 K / SDCM 3
Colour temperature NW	4000K / SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360°
Detection	also through glass, wood and stud walls
Reach	\varnothing 1 - 8 m
Twilight setting	2-2000 lx
Time setting	5 sec-15 min
Basic light level	10 - 50%
Soft light start	Yes
IP rating	IP20
Protection class	II
Material	aluminium (base) and PMMA (shade)
Temperature range	-10 to +40°C
With lamp	STEINEL LED system

Optional accessories

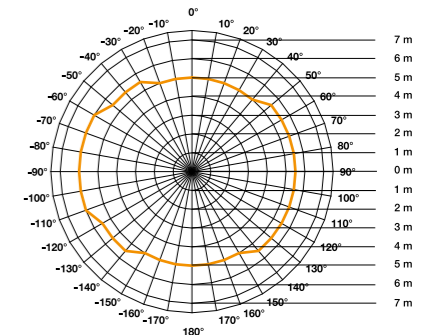
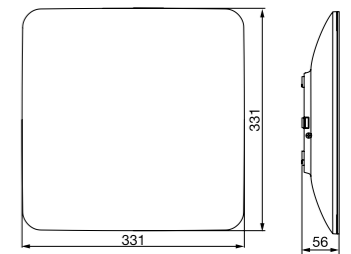
EAN remote control RC10	4007841 007645
EAN remote control Smart Remote	4007841 009151

Refer to the 'Accessories' section for further information.

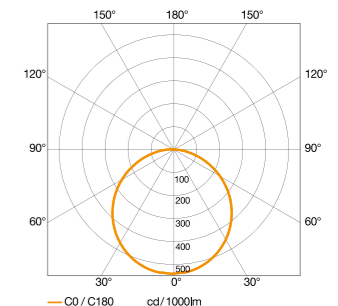


white

silver



RS PRO LED Q1 detection zone
Installation height 2.8 m
orange = radial walking direction



RS PRO LED Q1 light distribution curve

Sensor-Switched
Lights for Indoors

Including STEINEL
LED system



Intelligent soft light
start



Intelligent LED cooling
system



Optional basic lighting
level 10 - 50%



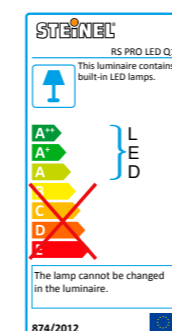
Wireless intercon-
nection with Remote
Group Setting



Optional
remote controls
refer to page 258



High-quality aluminium



High-Frequency LED Sensor-Switched Lights



High-frequency sensor-switched light RS PRO LED S1 in the stairwells and corridors of the IKANO residential complex at Helsingborg, Sweden.

RS PRO LED S1

**Intelligence isn't a matter of size.
But of inner values.**

It's slender, purist and altogether perfectly formed. It's intelligent, energy-efficient, a shining example and featuring everything that's technically feasible today: 16-watt STEINEL LED lighting system for instant, power-saving light, aluminium cooling fins and patented STEINEL Active-Thermo-Control for a long life. The high-frequency sensor covers 360°. 868 MHz wireless communication takes every effort out of grouping lights without the need for cabling. Upshot: the RS PRO LED S1 is more than just lighting evolution, it's a revolution.

RS
PRO
SYSTEM

LED
LONG LIFE



LED

30 years
(\varnothing 4,5h/day)

16W

max. 1309lm
81.81 lm/W



high frequency
sensor 360°



\varnothing 1–8m



2–2000 lux



5 sec–15 min



basic
brightness



networkable
wireless



shock proof
IK07



energy
saving

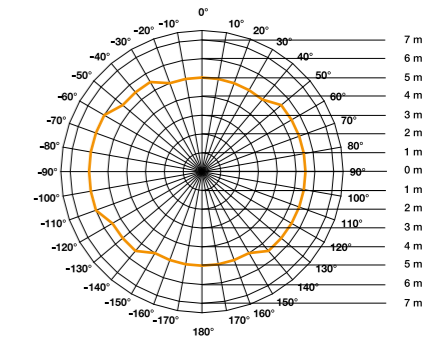
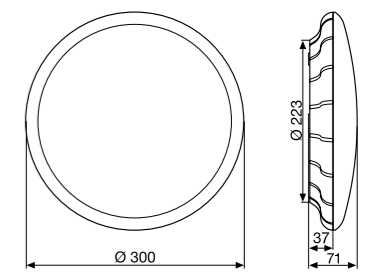
5 JAHRE
GARANTIE

functional
warranty

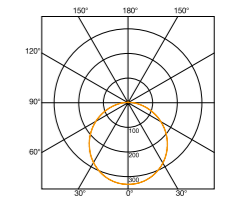


Dimensions (H x W x D) 300 x 300 x 71 mm
Power supply 230–240 V, 50 / 60 Hz
Sensor type High frequency
Transmitter power approx. 1 mW
HF system 5.8 GHz (responds to the smallest of movements regardless of temperature)
Output 16 W (1.8 W when dimmed)
Additional switching capacity Master/master configurations and master/slave via 868 MHz wireless connection
Colour temperature WW 3000 K / SDCM 3
Colour temperature NW 4000K / SDCM 3
Colour rendering Ra \geq 80
LED life expectancy 50,000 h (L70B10 to LM80)
LED cooling system Active Thermo Control
Angle of coverage 360° with 160° angle of aperture
Detection also through glass, wood and stud walls
Reach \varnothing 1–8m, infinitely variable, can be limited in 4 directions
Slave mode selectable
Max. area covered 50 m²
Twilight setting 2–2000 lx
Basic light level Dimmed to 10%, a) all night long, b) 10 min after expiry of the set time, c) 30 min after expiry of the set time
Time setting 5 sec - 15 min
IP rating IP20
Protection class II
Impact resistance (polycarbonate) IK07
Impact resistance (glass) IK02
Temperature range -10 to +50°C
Material aluminium base
With lamp STEINEL LED system

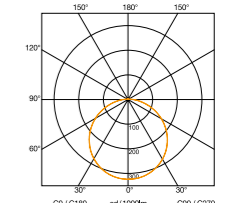
EAN RS PRO LED S1 NW, polycarbonate 4007841 034641
Luminous flux / efficiency (with shade) 1309 lm / 81.81 lm/W
EAN RS PRO LED S1 NW, glass 4007841 034627
Luminous flux / efficiency (with shade) 899 lm / 56.18 lm/W
EAN RS PRO LED S1 WW, polycarbonate 4007841 034610
Luminous flux / efficiency (with shade) 1179 lm / 73.68 lm/W
EAN RS PRO LED S1 WW, glass 4007841 034658
Luminous flux / efficiency (with shade) 810 lm / 50.62 lm/W



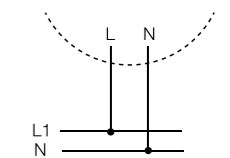
Detection zone for RS PRO LED S1 mounted at a height of 2.8 m orange = radial walking direction



Light distribution curve for RS PRO LED S1 PC



Light distribution curve for RS PRO LED S1 glass



Parallel operation via integrated wireless module

Including STEINEL LED system



Intelligent LED cooling system



Optional basic light level 10%



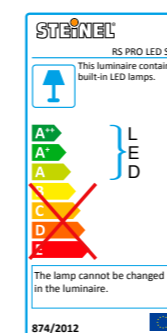
Wireless interconnection



Impact-resistant material rated to IK07



High-quality aluminium



RS PRO LED S2

The smartest light in the world.

With high-frequency sensor and LED technology.

Same design as RS PRO LED S1, just larger in diameter. And with an even more powerful 28-watt STEINEL LED lighting system. Apart from that, the RS PRO LED S2 comes with exactly the same impressive line-up as its little sister. To be precise: LED Active-Thermo-Control, high-frequency sensor technology, wireless connection etc.

RS
PRO
SYSTEM

LED
LONG LIFE



LED

30 years
(\varnothing 4,5h/day)

28w

max. 1440lm
51.4lm/W



high frequency
sensor 360°



\varnothing 1–8m



2–2000 lux



5 sec – 15 min



basic
brightness



networkable
wireless



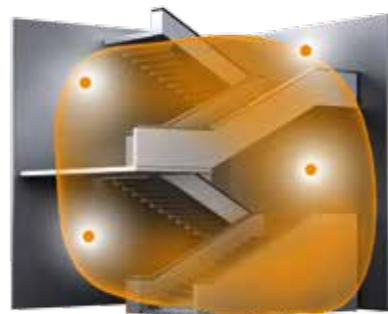
shock proof
IK07



energy
saving

5 JAHRE
GARANTIE

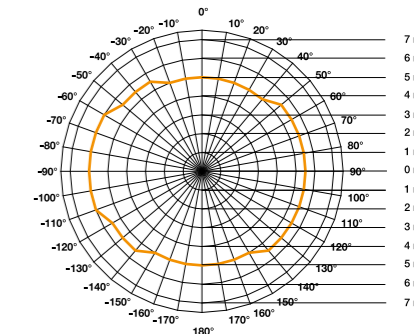
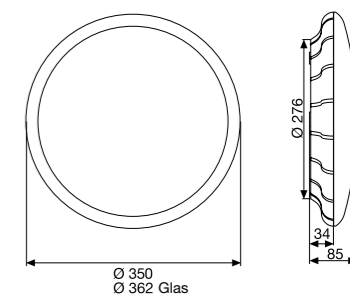
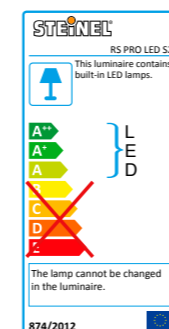
functional
warranty



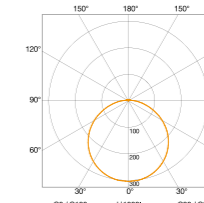
Dimensions (H x W x D)	\varnothing 350 x 83 mm, (glass \varnothing 362 x 85 mm)
Power supply	230 – 240 V, 50 Hz
Sensor type	High frequency
Transmitter power	approx. 1 mW
HF system	5.8 GHz (responds to the smallest of movements regardless of temperature)
Output	28 W (2.8 W when dimmed)
Additional switching capacity	Master/master configurations and master/slave via 868 MHz wireless connection
Colour temperature WW	3000 K / SDCM 3
Colour temperature NW	4000K / SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Active Thermo Control
Angle of coverage	360° with 160° angle of aperture
Detection	also through glass, wood and stud walls
Reach	max. \varnothing 1–8m, infinitely variable can be limited in 4 directions
Slave mode	selectable
Max. area covered	50 m ²
Twilight setting	2–2000 lx
Basic light level	Dimmed to 10%, a) all night long, b) 10 min after expiry of the set time, c) 30 min after expiry of the set time
Time setting	5 sec - 15 min
IP rating	IP20
Protection class	II
Impact resistance (PMMA)	IK03
Impact resistance (polycarbonate)	IK07
Impact resistance (glass)	IK02
Temperature range	-10 to +50°C
Material	aluminium base
With lamp	STEINEL LED system
EAN RS PRO LED S2 NW, PMMA 4007841 662110	
Luminous flux / efficiency (with shade)	1440 lm / 51.4 lm/W
EAN RS PRO LED S2 NW, polycarbonate 4007841 662011	
Luminous flux / efficiency (with shade)	1039 lm / 37.1 lm/W
EAN RS PRO LED S2 NW, glass 4007841 662219	
Luminous flux / efficiency (with shade)	1257 lm / 44.9 lm/W
EAN RS PRO LED S2 WW, PMMA 4007841 661816	
Luminous flux / efficiency (with shade)	1386 lm / 59.5 lm/W
EAN RS PRO LED S2 W, polycarbonate 4007841 661717	
Luminous flux / efficiency (with shade)	1000 lm / 35.7 lm/W
EAN RS PRO LED S2 W, glass 4007841 661915	
Luminous flux / efficiency (with shade)	1210 lm / 43.2 lm/W

Optional accessories

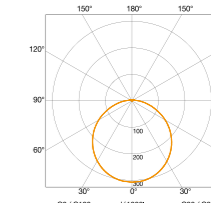
EAN remote control Smart Remote 4007841 009151
Refer to the 'Accessories' section for further information.



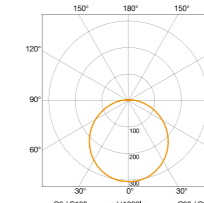
Detection zone for RS PRO LED S2 mounted at a height of 2.8 m orange = radial walking direction



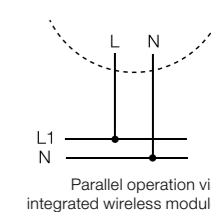
Light distribution curve for RS PRO LED S2, PMMA



Light distribution curve for RS PRO LED S2, PC



Light distribution curve for RS PRO LED S2, glass



Parallel operation via integrated wireless module

Including STEINEL LED system



Intelligent LED cooling system



Optional Smart Remote refer to page 258



Optional basic light level 10%



Wireless interconnection



High-quality aluminium



RS PRO LED B1 Notlicht

Standard-compliant emergency light. Anything but a standard answer.

Power cuts are certainly no reason to grope about in the dark. The emergency-light version of the RS LED B1 has an integrated rechargeable back-up battery that automatically switches ON emergency LED lighting to EN 60598-2-22 in the event of a power failure. Easy-to-install design means independence - making it the perfect solution when standards demand the provision of decentralised emergency lighting.

LED

30 years
(\varnothing 4,5h/day)

13w

max. 710lm
54.6lm/W



high frequency
sensor 360°



\varnothing 1-8m



2-2000 lux



5 sec - 15 min



energy
saving

5 JAHRE GARANTIE

functional
warranty

RS
PRO
SYSTEM

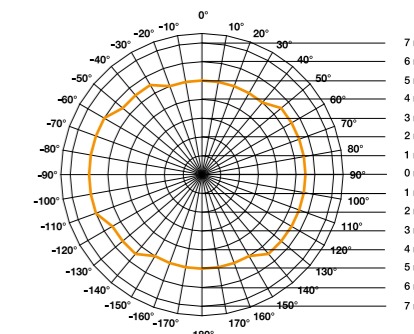
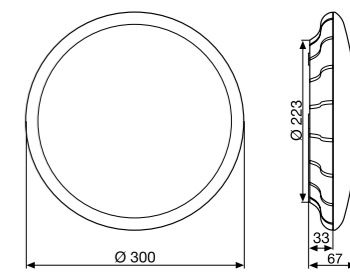
LED
LONG LIFE



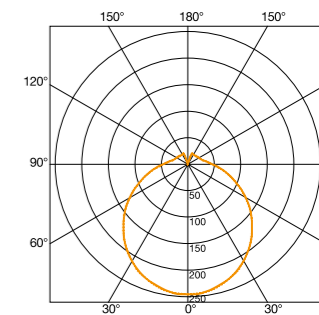
Dimensions (H x W x D) \varnothing 300 x 67 mm
 Power supply 230 - 240 V, 50 Hz
 Sensor type High frequency
 Transmitter power approx. 1 mW
 HF system 5.8 GHz (responds to the smallest of movements regardless of temperature)
 Output 13 W
 Colour temperature WW 3000 K / SDCM 3
 Colour temperature NW 4000 K / SDCM 3
 Colour rendering Ra \geq 80
 LED life expectancy 50,000 h (L70B10 to LM80)
 LED cooling system Active Thermo Control
 Angle of coverage 360° with 160° angle of aperture
 Detection also through glass, wood and stud walls
 Reach \varnothing 1-8 m, infinitely variable, can be limited in 4 directions
 Max. area covered 50 m²
 Twilight setting 2-2000 lx
 Time setting 5 sec - 15 min
 Install mode Yes
 IP rating IP20
 Protection class I
 Impact resistance (PMMA) IK03
 Temperature range 0 to +40°C
 Material aluminium base and plastic shade
 With lamp STEINEL LED system

EAN RS PRO LED B1 emergency light, PMMA, CW 4007841 374723
 Luminous flux / efficiency (with shade) 690 lm / 53.1 lm/W

EAN RS PRO LED B1 emergency light PMMA WW 4007841 006433
 Luminous flux / efficiency (with shade) 710 lm / 54.6 lm/W

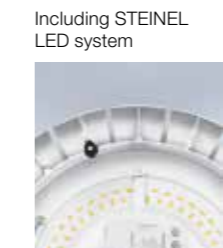
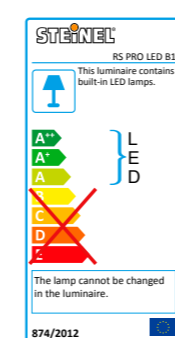


Detection zone for RS PRO LED B1 mounted at a height of 2.8 m orange = radial walking direction



Light distribution curve for RS PRO LED S1 emergency light

Sensor-Switched
Lights for Indoors



RS PRO LED R1

The new benchmark.

Focus on technology. Easy to install.

Meeting great expectations in aesthetics and technology is actually quite hard to do on a tight budget. We have managed to do precisely this balancing act with the RS PRO LED R1. This is where attractive design meets cutting-edge LED and high-frequency sensor technology in STEINEL quality. Including Easy Install function. And all at a truly attractive price. You'll be surprised. And then stunned.

RS
PRO
SYSTEM

LED
LONG LIFE



LED

30 years
(\varnothing 4,5h/day)

11w

950lm
86.36lm/W



high frequency
sensor 360°



\varnothing 1–8m



2–2000 lux



5 sec–15 min



networkable
cable



soft light
start

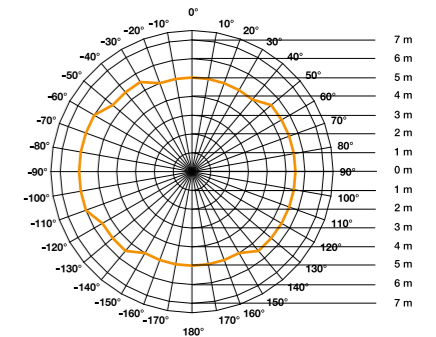
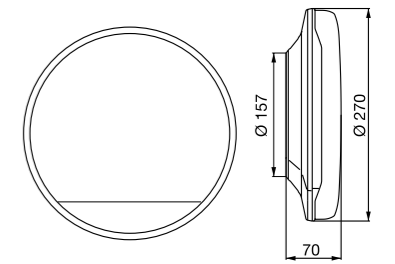


energy
saving

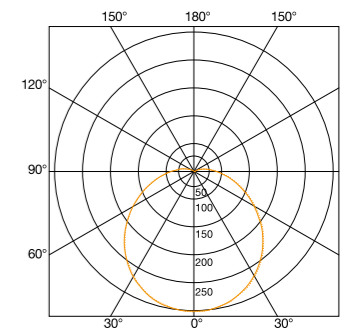
5 JAHRE
GARANTIE

functional
warranty

EAN RS PRO LED R1, NW.....	4007841 033354
EAN RS PRO LED R1, WW.....	4007841 033323
Dimensions (H x W x D).....	\varnothing 270x70mm
Power supply.....	220–240 V, 50 / 60 Hz
Sensor type.....	High frequency
Transmitter power.....	approx. 1 mW
HF system.....	5.8 GHz
Output.....	11 W
Luminous flux / efficiency (with shade).....	950 lm / 86.36 lm/W
Colour temperature WW.....	3000 K / SDCM 3
Colour temperature NW.....	4000 K / SDCM 3
Colour rendering.....	Ra \geq 80
LED life expectancy.....	50,000 h (L70B10 to LM80)
LED cooling system.....	Passive Thermo Control
Angle of coverage.....	360°
Detection.....	also through glass, wood and stud walls
Reach.....	\varnothing 1–8 m
Twilight setting.....	2–2000 lx
Basic light level.....	20%
Time setting.....	5 sec–15 min
Soft light start.....	Yes
IP rating.....	IP20
Protection class.....	II
Temperature range.....	-10 to +50°C
Material.....	UV-resistant plastic
With lamp.....	STEINEL LED system

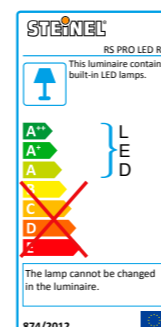


RS PRO LED R1 detection zone
Installation height 2.8 m
orange = radial walking direction



— C0 / C180 cd/1000lm - - - C90 / C270
RS PRO LED R1 light distribution curve

Sensor-Switched
Lights for Indoors



Including STEINEL
LED system



Intelligent soft light
start



Interconnectable via
cable, max. 10 units



RS PRO DL LED 15W

All good things come from above.

The first LED downlighter with high-frequency sensor from Steinel.

Only from STEINEL. The RS PRO LED DL 15 W LED is the first HF-sensor controlled LED downlighter from Steinel that can be integrated in the ceiling. But there's not a lot of it you can see. Because once in place, the entire system fits flush with the suspended ceiling. In no time at all, thanks to easy-fit clamp-type retainer. Using interconnected slave versions, RS PRO DL 15 W LED provides even greater energy efficiency.

LED

30 years
(\varnothing 4,5h/day)

15w

max. 838lm
56,68lm/W



high frequency
sensor 360°



\varnothing 2-8m



2,5-3,5m



2-2000 lux



1 min-60 min



basic
brightness



networkable
cable



energy
saving

5 JAHRE
GARANTIE

functional
warranty



RS
PRO
SYSTEM

LED
LONG LIFE



Dimensions (H x W x D) \varnothing 142,5 x 94,5 mm
 Power supply 100-240 V, 50 / 60Hz
 Sensor type High frequency
 Transmitter power approx. 1 mW
 HF system 5.8 GHz (responds to the smallest of movements regardless of temperature)
 Output 15 W
 Colour temperature WW 3000 K / SDCM 5
 Colour temperature NW 4000K / SDCM 5
 Colour rendering Ra \geq 80
 LED life expectancy 50,000 h (L70B10 to LM80)
 LED cooling system Passive Thermo Control
 Angle of coverage 360° with 160° angle of aperture
 Detection also through glass, wood and stud walls
 Reach* \varnothing 2-8 m
 Max. area covered 50 m²
 Response light level* 2 - 2000 lx
 Basic light level Dimmed to 10%,
 a) all night long,
 b) 10 min after expiry of the set time
 Time setting* 1 min - 1 h
 IP rating IP20
 Protection class II
 Temperature range -10 to +50°C
 With lamp STEINEL LED system
 *Via remote control only

EAN Downlight RS PRO DL LED 15W, NW 4007841 007713
 EAN Downlight RS PRO DL LED 15W Slave, NW 4007841 007720
 Luminous flux / efficiency 838 lm / 56.68 lm/W

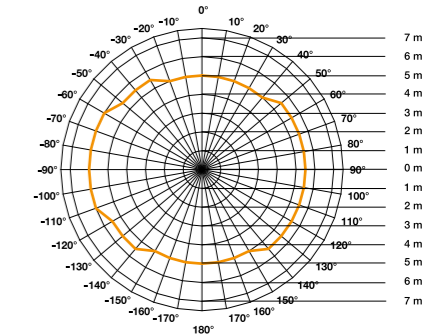
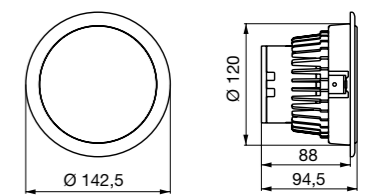
EAN Downlight RS PRO DL LED 15W, WW 4007841 007744
 EAN Downlight RS PRO DL LED 15W Slave, WW 4007841 007737
 Luminous flux / efficiency 707.4 lm / 46.85 lm/W

Optional accessories

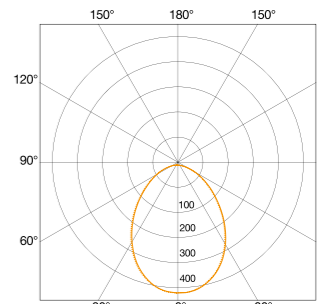
EAN remote control RC2 4007841 737818
 EAN remote control Smart Remote 4007841 009151
 EAN refurbishment trims 4007841 013677
 Refer to the 'Accessories' section for further information.



Slave version
without sensor



Detection zone for RS PRO DL LED 15W
mounted at a height of 2.8 m
orange = radial walking direction



Light distribution curve for RS PRO DL LED 15W

Sensor-Switched
Lights for Indoors

With spring clips



Matt finish cover



Including STEINEL
LED system



Intelligent LED cooling
system



Ceiling-flush
installation



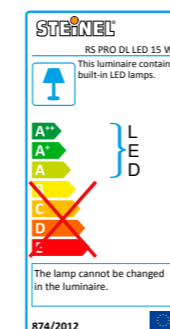
Interconnectable via
cable, max. 20 units



Optional
remote controls
refer to page 258



Optional refurbish-
ment trims



RS PRO DL LED 20W

The optimum solution for suspended ceilings.

The powerful LED downlighter with high-frequency sensor.

The RS PRO LED DL 20 W LED is the more powerful version of the LED downlighter. And there's not much left to see from this indoor ceiling light with high-frequency sensor either. Once in place, the entire system fits flush with the suspended ceiling, with the easy-fit clamp-type retainer making installation a breeze. Incidentally, the energy efficiency of the RS PRO DL LED 20W can be increased even further by using interconnectable slave versions.

RS
PRO
SYSTEM

LED
LONG LIFE



LED

30 years
(\varnothing 4,5h/day)

20w

max. 1229,9lm
61,80lm/W



high frequency
sensor 360°



\varnothing 2-8m



2,5-3,5m



2-2000 lux



1 min-60 min



basic
brightness



networkable
cable



energy
saving

**5 JAHRE
GARANTIE**

functional
warranty

Dimensions (H x W x D) \varnothing 168 x 94.5 mm
 Power supply 100-240 V, 50 / 60Hz
 Sensor type High frequency
 Transmitter power approx. 1 mW
 HF system 5.8 GHz (responds to the smallest of movements regardless of temperature)
 Output 20 W
 Colour temperature WW 3000 K / SDCM 5
 Colour temperature NW 4000K / SDCM 5
 Colour rendering Ra \geq 80
 LED life expectancy 50,000 h (L70B10 to LM80)
 LED cooling system Passive Thermo Control
 Angle of coverage 360° with 160° angle of aperture
 Detection also through glass, wood and stud walls
 Reach* \varnothing 2-8 m
 Max. area covered 50 m²
 Response light level* 2 - 2000 lx
 Basic light level Dimmed to 10%,
 a) all night long,
 b) 10 min after expiry of the set time
 Time setting* 1 min - 1 h
 IP rating IP20
 Protection class II
 Temperature range -10 to +50°C
 With lamp STEINEL LED system
 *Via remote control only

EAN Downlight RS PRO DL LED 20W, NW 4007841 007751
 EAN Downlight RS PRO DL LED 20W Slave, NW 4007841 007768
 Luminous flux / efficiency 1229.9 lm / 61.80 lm/W

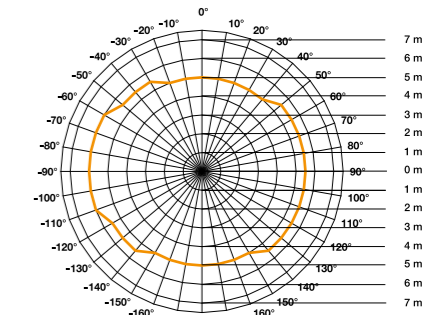
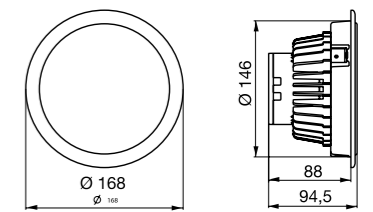
EAN Downlight RS PRO DL LED 20W, WW 4007841 007782
 EAN Downlight RS PRO DL LED 20W Slave, WW 4007841 007775
 Luminous flux / efficiency 1077 lm / 54.12 lm/W

Optional accessories

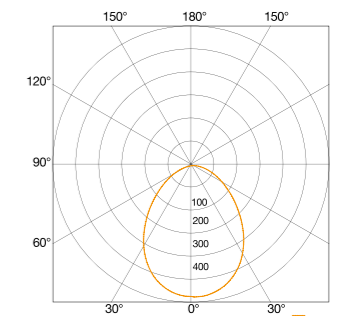
EAN remote control RC2 4007841 737818
 EAN remote control Smart Remote 4007841 009151
 EAN refurbishment trims 4007841 013684
 Refer to the 'Accessories' section for further information.



Slave version
without sensor



Detection zone for RS PRO DL LED 20W
mounted at a height of 2.8 m
orange = radial walking direction



Lichtverteilungskurve RS PRO DL LED 20W

Sensor-Switched
Lights for Indoors

With spring clips



Matt finish cover



Including STEINEL
LED system



Intelligent LED cooling
system



Ceiling-flush
installation



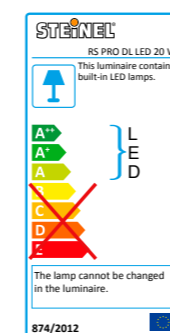
Interconnectable via
cable, max. 20 units



Optional
remote controls
refer to page 258



Optional refurbish-
ment trims



RS PRO LED P1

Efficient. Elegant. Pioneering.

The ideal gateway to the professional class.

Today, indoor lighting solutions are in demand that not only provide the last word in convenience and intelligent technology but also integrate harmoniously into the particular interior design. We have found the perfect answer in the RS PRO LED P1. Timeless design and very easy installation combined with pioneering technology and maximum efficiency. Because with the virtually invisible 360-degree high-frequency sensor always switching the 9.5 W LED lighting system ON reliably and in absolute silence, the indoor light is a real bonus for any household, both from the aspect of aesthetic appeal as well as cost-efficiency.

The new slave versions are quickly and easily interconnected via cable.

**LED
LONG LIFE**



LED
30 years
(Ø 4,5h/day)

9,5w
960lm
101lm/W

high frequency
sensor 360°

Ø 1–8 m

IP 54

2–2000 lux

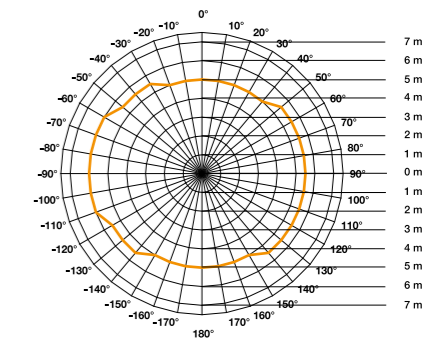
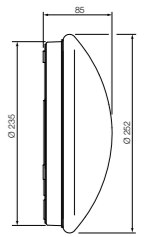
5sec–15 min

networkable
cable

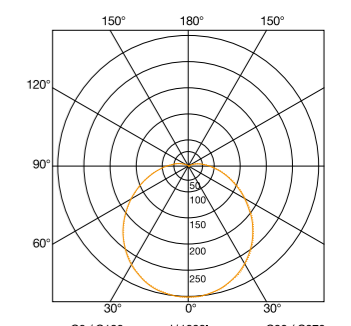
energy
saving

**5 JAHRE
GARANTIE**
functional
warranty

EAN RS PRO LED P1 WW	4007841 035020
EAN RS PRO LED P1 WW Slave	4007841 035044
EAN RS PRO LED P1 NW	4007841 035037
EAN RS PRO LED P1 NW Slave	4007841 035051
Dimensions (H x W x D)	Ø 252 x 85 mm
Power supply	220–240 V, 50 / 60 Hz
Sensor type	High frequency
Transmitter power	approx. 1 mW
HF system	5.8 GHz (responds to the smallest of movements regardless of temperature)
Output	9.5 W / 9W (slave)
Luminous flux	960 lm
Efficiency	101 lm/W / 105 lm/W (slave)
Colour temperature WW	3000 K / SDCM 3
Colour temperature NW	4000K / SDCM 3
Colour rendering	Ra ≥ 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360° with 160° angle of aperture
Detection	also through glass, wood and stud walls
Reach	max. Ø 1–8 m, infinitely variable, can be limited in 4 directions
Twilight setting	2–2000 lx
Time setting	5 sec – 15 min
IP rating	IP54
Impact resistance	IK03
Protection class	II
Material	UV-resistant plastic and PMMA shade
Temperature range	-10 to +40°C
With lamp	STEINEL LED system

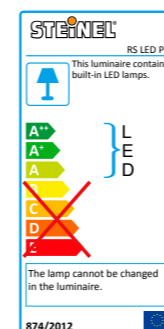


RS PRO LED P1 detection zone
Installation height 2.8 m
orange = radial walking direction



RS PRO LED P1 light distribution curve

Sensor-Switched
Lights for Indoors



Including STEINEL
LED system



Interconnectable via
cable, max. 10 units



STEINEL IP65. These Lights Are Up to Everything.
For the Toughest of Demands.



Sensor-Switched
Lights for Indoors

RS
PRO
SYSTEM

LED
LONG LIFE



RS PRO LED S1 IP65



RS PRO LED S2 IP65

Impact-resistant	•	•
IP rating	IP65	IP65
LED system	16W	28W
Lumens	1005 lm	1272 lm
Sensor	•	•
Wireless interconnectability	•	•
Page	176	178

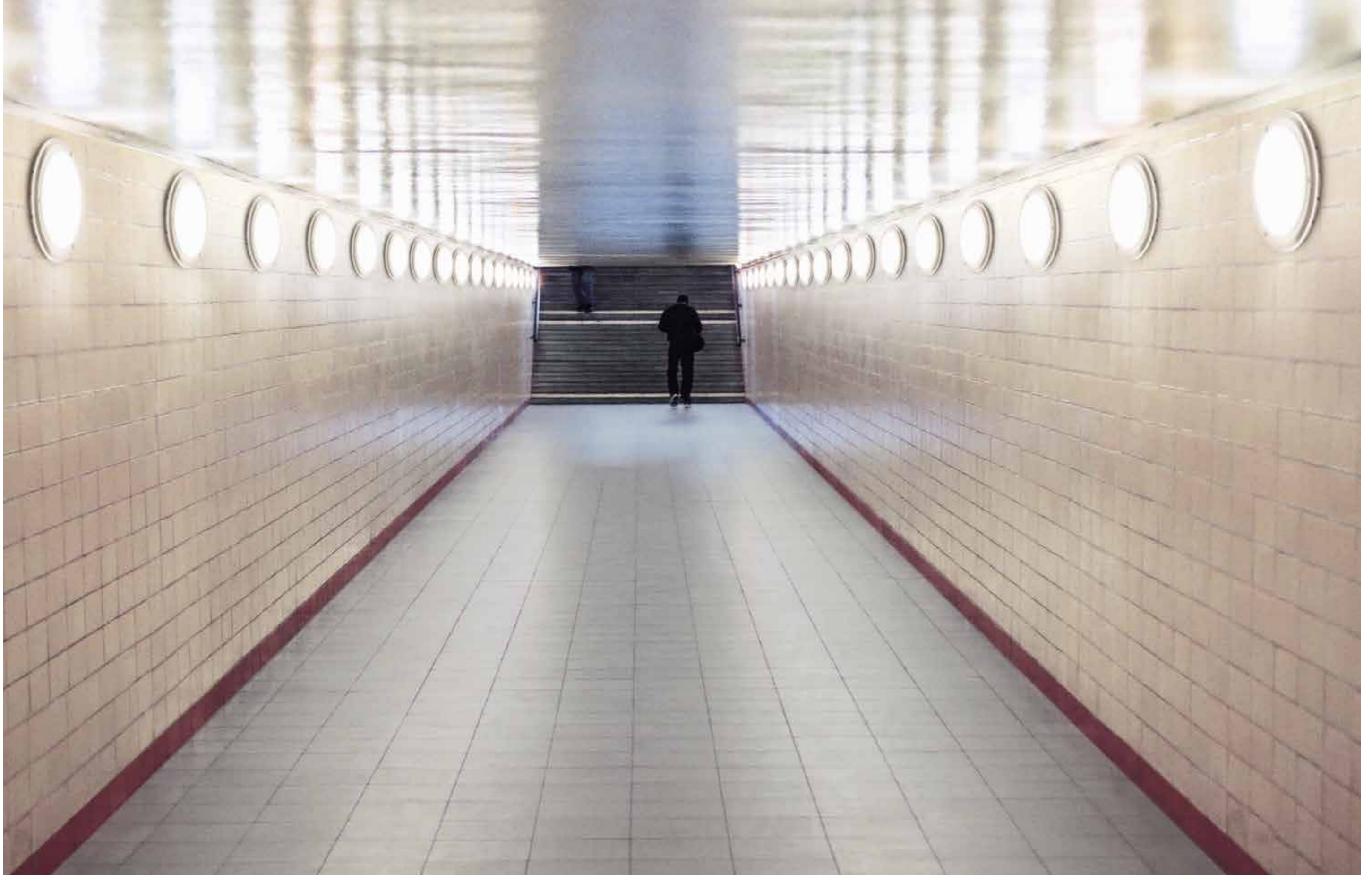
The STEINEL IP65 lighting range is suitable for the toughest of applications. All of these products come with IP 65 rating and belong to safety class II. Their frosted polycarbonate shades give a very bright light. They pass the 850-degree glow-wire test with effortless ease and are provide IK10 impact resistance.

Easy to install, their screw-mounted surround makes these lights extremely tough, dust-tight and jet-proof. The non-breakable sensor-switched lights also impress with an extremely high level of luminous efficiency. Benefiting from integrated high-frequency technology, these lights also detect movement and switch ON and OFF automatically - without clicking.

The IP 65 range is the ideal choice for swimming pools, hotels, changing and shower areas, thoroughfares in industrial buildings and pedestrian subways.

Discover STEINEL's IP 65 luminaires for the toughest of lighting jobs and extremely easy installation.

High-Frequency LED Sensor-Switched Lights.
STEINEL IP 65.



Sensor-Switched
Lights for Indoors

Efficient and secure lighting in subways: RS PRO LED S1 IP65.

RS PRO LED S1 IP65

Nice and compact.

Nice and robust.

Public buildings, swimming pools, passages, subways and the like are tough environments when it comes to lighting. Because it's here that wet environments, unintentional knocks and vandalism are the order of the day. All this leaves the RS PRO LED S1 IP 65 completely indifferent. Its screw-mounted surround is impervious to dust and jets of water. With a shatter-proof interior, shade and enclosure are impact-resistant to IK10 as well. Several LED lights can be wirelessly interconnected - in series, round corners or between storeys.

RS
PRO
SYSTEM

LED
LONG LIFE



LED

30 years
(\varnothing 4,5h/day)

16w

1005lm
62.8lm/W



4000 K
neutral white



high frequency
sensor 360°



\varnothing 1-8m

IP65

Dust-proof
and jet water
protected



2-2000 lux



5 sec - 15 min



basic
brightness



networkable
wireless



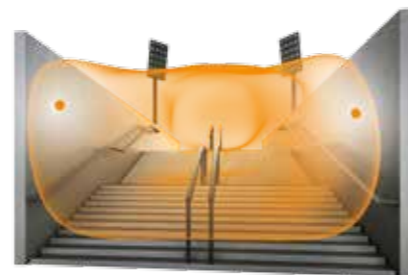
shock proof
IK10



energy
saving

5 JAHRE
GARANTIE

functional
warranty



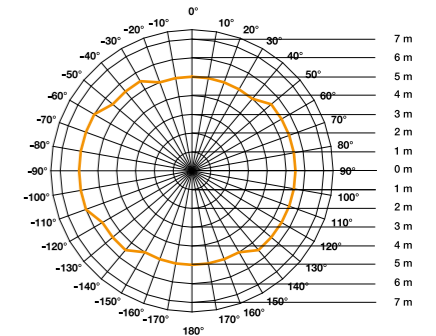
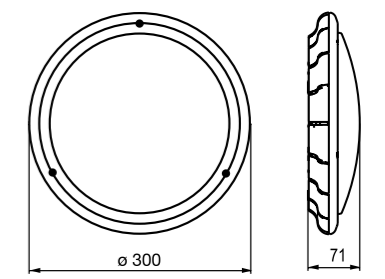
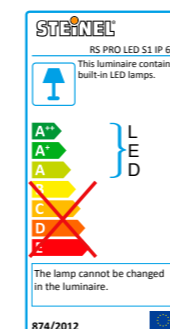
EAN RS PRO LED S1 IP65 opal	4007841 034948
Dimensions (H x W x D)	\varnothing 300 x 71 mm
Power supply	230 - 240 V, 50 / 60 Hz
Sensor type	High frequency
Transmitter power	approx. 1 mW
HF system	5.8 GHz (responds to the smallest of movements regardless of temperature)
Output	16 W LED (1.6 W when dimmed)
Additional switching capacity	Master/master configurations and master/slave via 868 MHz wireless connection
Luminous flux / efficiency	1005 lm / 62.8 lm/W
Colour temperature	4000 K / SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Active and Passive Thermo Control
Angle of coverage	360° with 160° angle of aperture
Detection	also through glass, wood and stud walls
Reach	\varnothing 1-8 m, infinitely variable, can be limited in 4 directions
Slave mode	selectable
Max. area covered	50 m ²
Twilight setting	2-2000 lx
Basic light level	Dimmed to 10%, a) all night long, b) 10 min after expiry of the set time, c) 30 min after expiry of the set time
Time setting	5 sec - 15 min
IP rating	IP65
Protection class	II
Impact resistance	IK10
Temperature range	-10 to +50°C
Material	aluminium base and plastic shade
With lamp	STEINEL LED system

Optional accessories

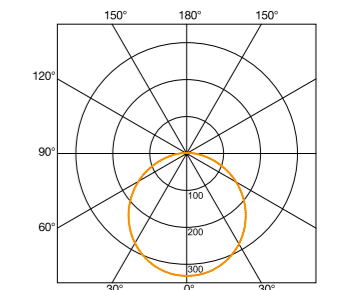
EAN designer ring AV S1 4007841 667511
Refer to the 'Accessories' section for further information.



The optional designer ring prevents access to the rear of the base



Detection zone for RS PRO LED S1 IP65 mounted at a height of 2.8 m
orange = radial walking direction



Light distribution curve for RS PRO LED S1 IP65

Sensor-Switched
Lights for Indoors

Including STEINEL LED system



Intelligent LED cooling system



Optional basic light level 10%



Wireless interconnection



Impact-resistant material rated to IK10



High-quality aluminium



RS PRO LED S2 IP65

A shining light. In terms of strength and ease of installation.

Same design as RS PRO LED S1 IP 65, just larger in diameter. Besides this, "big brother" is equally as impressive as little sister: IP 65 rating, class II protection, impact-resistant to IK10, STEINEL LED lighting system, high-frequency sensor technology, wireless connection etc.

RS
PRO
SYSTEM

LED
LONG LIFE



LED

30 years
(\varnothing 4,5h/day)

28w

1272lm
45.4 lm/W



4000 K
neutral-white



high frequency
sensor 360°



\varnothing 1-8m

IP65

Dust-proof
and jet water
protected



2-2000 lux



5 sec-15 min



basic
brightness



networkable
wireless



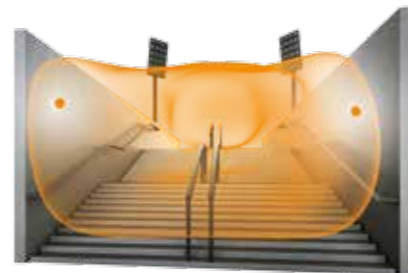
shock proof
IK10



energy
saving

5 JAHRE
GARANTIE

functional
warranty



EAN RS PRO LED S2 IP65 opal	4007841 007836
Dimensions (H x W x D)	\varnothing 362 x 82 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	High frequency
Transmitter power	approx. 1 mW
HF system	5.8 GHz (responds to the smallest of movements regardless of temperature)
Output	28 W LED (2.8 W when dimmed)
Additional switching capacity	Master/master configurations and master/slave options via 868 MHz wireless connection
Luminous flux / efficiency	1272 lm / 45.4 lm/W
Colour temperature	4000 K / SDCM 5
Colour rendering	Ra \geq 75
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Active and Passive Thermo Control
Angle of coverage	360° with 160° angle of aperture
Detection	also through glass, wood and stud walls
Reach	\varnothing 1-8 m, infinitely variable, can be limited in 4 directions
Slave mode	selectable
Max. area covered	50 m ²
Twilight setting	2-2000 lx
Basic light level	Dimmed to 10%, a) all night long, b) 10 min after expiry of the set time, c) 30 min after expiry of the set time
Time setting	5 sec - 15 min
IP rating	IP65
Protection class	II
Impact resistance	IK10
Temperature range	-10 to +50°C
Material	aluminium base and plastic shade
With lamp	STEINEL LED system

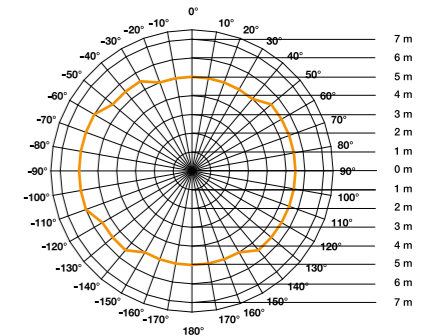
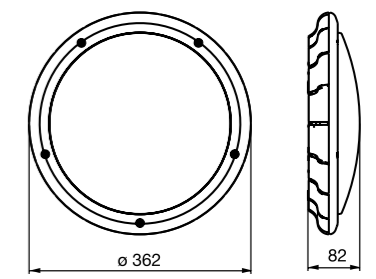
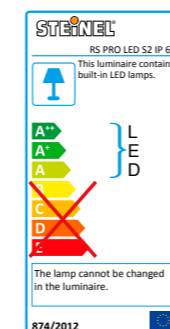
Optional accessories

EAN remote control Smart Remote	4007841 009151
EAN designer ring AV S2	4007841 667610

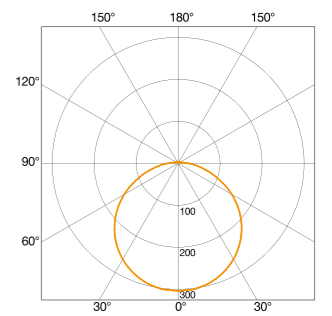
Refer to the 'Accessories' section for further information.



The optional designer ring prevents access to the rear of the base



Detection zone for RS PRO LED S2 IP65 mounted at a height of 2.8 m orange = radial walking direction



Light distribution curve for RS PRO LED S2 IP65

Sensor-Switched
Lights for Indoors

Including STEINEL LED system



Intelligent LED cooling system



Optional Smart Remote refer to page 258



Optional basic light level 10%



Wireless interconnection



Impact-resistant material rated to IK10



High-quality aluminium



HF sensor-switched LED linear luminaires.
And all follow suit.



RS PRO 5800 LED

Defies the elements.

For intelligent lighting control in damp spaces.

Presenting the RS PRO 5800 LED series, STEINEL provides state-of-the-art waterproof LED diffuser luminaires with swarm intelligence. Developed on the basis of a DALI bus, swarm technology lets light 'move along' with you. These luminaires couldn't be easier to install. You can make all settings by remote control for ultimate convenience. The Remote Group Setting function (group parameterisation) provides the capability of relaying all settings on to the other lights. Any basic light level can be selected and is automatically synchronised among the lights. Protected against strong jets of water and impact-resistant, they are ready for any lighting application.



Large-area lighting systems in multi-storey car parks: RS PRO 5800 LED

RS PRO 5800 LED

Dynamic lighting intelligence. And waterproof too.

Many industrial facilities, warehouses and multi-storey car parks are extremely damp. That's bad news for many lighting systems. The RS PRO 5800 is immune to moisture. This is why we have provided it with the most innovative of technology: from effortless installation and synchronisation of lighting groups by means of group parameterisation to the selection of any basic light level and its ability to switch OFF in relation to daylight. And as the icing on the cake, the intelligent swarm function always 'moves' the light with you to wherever you happen to need it. You will be well and truly impressed.

RS
PRO
SYSTEM

LED
LONG LIFE



LED

30 years
(\varnothing 4,5h/day)

33w

max. 4065lm
123lm/W



4000 K
neutral-white



high frequency
sensor 360°



\varnothing 2-8m



max. 3.5m

IP66

Dust-proof
and jet water
protected



basic
brightness



networkable
via cable



shock proof
IK07



soft light
start

TEACH

mode



energy
saving

5 JAHRE
GARANTIE

functional
warranty



EAN RS PRO 5800 LED	4007841 007652
EAN RS PRO 5800 LED Slave	4007841 007669
Dimensions (H x W x D)	105 x 1278 x 105 mm
Power supply	220-240 V, 50 / 60 Hz
Sensor type*	High-frequency
Transmitter power*	approx. 1 mW
HF system*	5.8 GHz
Output (lights)	33 W
Luminous flux	4065 lm
Efficiency	123 lm/W
Colour temperature	4000 K / SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage*	360°
Reach*	\varnothing 2-8 m
Twilight setting*	2-2000 lx
Time setting*	5 sec - 15 min
Basic light level	10 - 50%
Soft light start	Yes
IP rating	IP66
Protection class	I
Material	impact-resistant plastic, IK07
Temperature range	-20 to +30°C
With lamp	STEINEL LED system

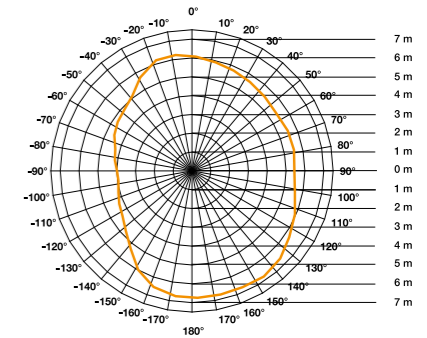
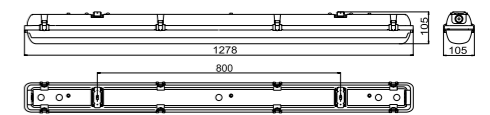
Optional accessories

EAN remote control RC10	4007841 008925
EAN remote control Smart Remote	4007841 009151

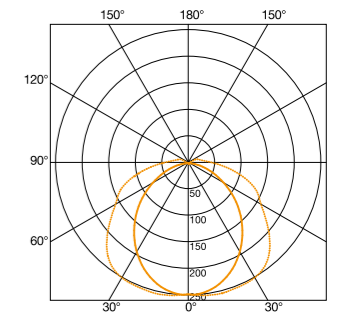
Refer to the 'Accessories' section for further information.



Slave version without sensor



RS PRO 5800 LED detection zone
Installation height 2.5 m
orange = radial walking direction



— C0 / C180 cd/1000lm — C90 / C270
RS PRO 5800 LED light distribution curve

Sensor-Switched
Lights for Indoors

Including STEINEL
LED system



Intelligent soft light
start



Interconnectable via
DALI, max. 15 slaves/
master



Impact-resistant
material rated to IK07



Intelligent swarm
function



Optional
remote controls
refer to page 258



RS PRO 5850 LED

**Dynamic lighting intelligence.
And waterproof too.**

Same perfection. Even more luminous power. In the 45W version too, this linear luminaire from the RS PRO range offers advanced technologies and Germany's best development expertise by the metre.

RS
PRO
SYSTEM

LED
LONG LIFE



LED

30 years
(\varnothing 4,5h/day)

45w

max. 5570lm
124lm/W



4000 K
neutral-white



high frequency
sensor 360°



\varnothing 2-8m



max. 3.5m

IP66

Dust-proof
and jet water
protected



basic
brightness



networkable
via cable



shock proof
IK07



soft light
start

TEACH

mode



energy
saving

5 JAHRE
GARANTIE

functional
warranty



EAN RS PRO 5850 LED	4007841 007676
EAN RS PRO 5850 LED Slave	4007841 007683
Dimensions (H x W x D)	105 x 1583 x 105 mm
Power supply	220-240 V, 50 / 60 Hz
Sensor type*	High-frequency
Transmitter power*	approx. 1 mW
HF system*	5.8 GHz
Output (lights)	45 W
Luminous flux	5570 lm
Efficiency	124 lm/W
Colour temperature	4000 K / SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360°
Reach*	\varnothing 2-8 m
Twilight setting*	2-2000 lx
Time setting*	5 sec - 15 min
Basic light level	10 - 50%
Soft light start	Yes
IP rating	IP66
Protection class	I
Material	impact-resistant plastic, IK07
Temperature range	-20 to +30°C
With lamp	STEINEL LED system

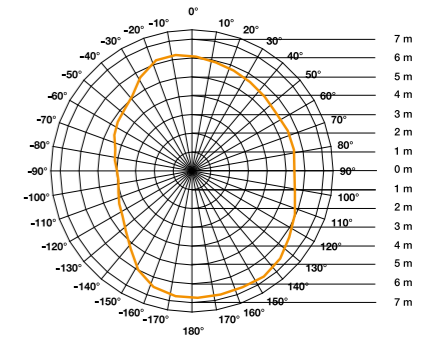
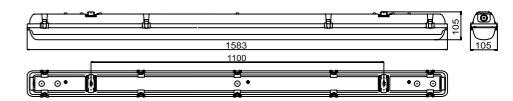
Optional accessories

EAN remote control RC10	4007841 008925
EAN remote control Smart Remote	4007841 009151

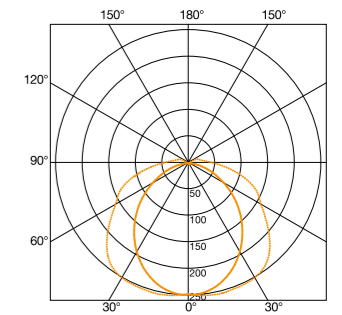
Refer to the 'Accessories' section for further information.



Slave version without sensor



RS PRO 5850 LED detection zone
Installation height 2.5 m
orange = radial walking direction



— C0 / C180 cd/1000lm — C90 / C270
RS PRO 5850 LED light distribution curve

Sensor-Switched
Lights for Indoors

Including STEINEL
LED system



Intelligent soft light
start



Interconnectable via
DALI, max. 15 slaves/
master



Impact-resistant
material rated to IK07



Intelligent swarm
function



Optional
remote controls
refer to page 258





RS 10L



RS 14L

Impact-resistant		•
Glass shade	•	
IP rating	IP44	IP44
Output	75W/E27 max.	60W/E27 max.
Sensor	•	•
Page	190	192

**Pioneering technology in timeless design.
High-frequency indoor sensor-switched lights with E27 socket.**

STEINEL Professional indoor lights with E27 socket are a welcome sight wherever they are. In stairwells, corridors or bathrooms, either on the wall or the ceiling. Because their design is timelessly elegant, with the shade in hand-blown opal glass giving a look of quality. Behind it and invisible to the eye is sophisticated high-frequency sensor technology for a high level of convenience and electricity bills that stay low in the home, commercial premises, administration centres or other buildings.

RS 10 L

The classic light.

With technology in a class of its own.

Classic half-globe design in plain opal glass. Behind it technology in a class of its own: high-frequency sensor with infinitely variable reach. These lights can be interconnected and also combined with a bathroom or WC extractor fan. There's hardly any way round it.



max. 75W

E27



high frequency sensor 360°



Ø 1-8m



2-2000 lux



5 sec-15 min



IP 44

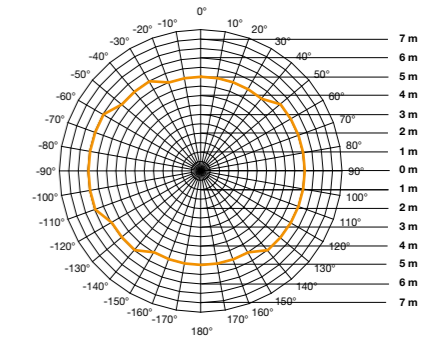
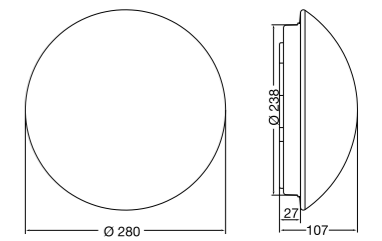


energy saving

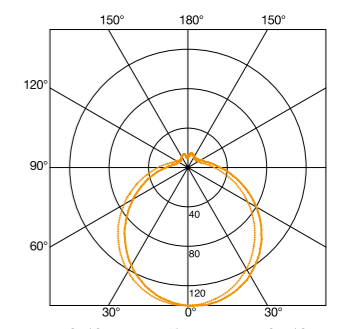
5 JAHRE GARANTIE

functional warranty

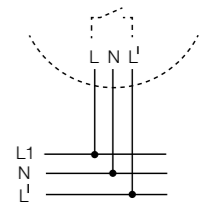
EAN RS 10 L	4007841 730512
Dimensions (H x W x D)	Ø 280 x 110 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	High-frequency
Transmitter power	approx. 1mW
HF-system	5.8 GHz (responds to the smallest of movements regardless of temperature)
Output	max. 75 W / E27
Additional switching capacity at L':	
(resistive load, e.g. bathroom / WC extractor fan)	800 VA max.
Angle of coverage	360° with 160° angle of aperture
Detection	also through glass, wood and stud walls
Reach	1 - 8 m all round, infinitely variable, can be limited in 4 directions
Max. area covered	50 m ²
Response light level	.2 - 2000 lx
Time setting	.5 sec. - 15 min.
IP rating	.IP44
Protection class	.II
Temperature range	-20 - +40 °C
Material	Aluminium base and opal glass shade
Complete with lamp	.No



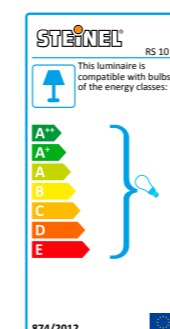
RS 10 L detection zone
Mounting height 2.8 m
orange = radial walking direction



Light distribution curve for RS 10L



Suitable for incandescent lamps, low-energy lamps and LEDs



Long-life aluminium enclosure



Opal glass shade



max. of 5 lights can be interconnected by cable



Facility for connecting extractor fan



RS 14 L

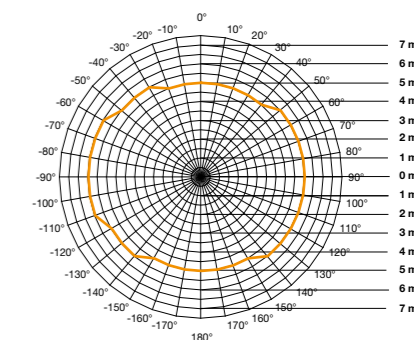
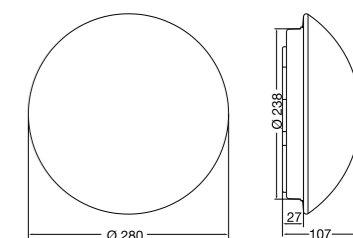
Classically understated.
Unbeatably tough.

Glass can break, impact-resistant plastic can't. As the robust version of the classic light, this is why the RS 14 L is recommended for use as ceiling or wall lighting in corridors and stairwells in residential complexes. Same design, features and technology as the RS 10 L: classically understated with high-frequency sensor system in a class of its own.

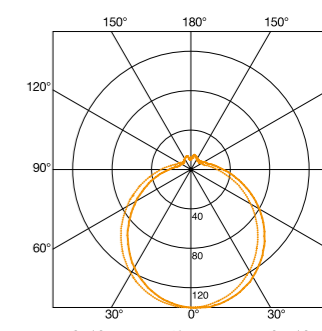


- max. 60w
- E27
- high frequency sensor 360°
- Ø 1-8m
- 2-2000 lux
- 5 sec - 15 min
- IP 44
- shock proof IK07
- energy saving
- 5 JAHRE GARANTIE
- functional warranty

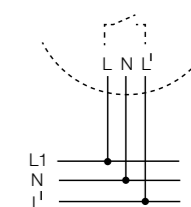
EAN RS 14 L 4007841 731113
 Dimensions (H x W x D) Ø 280 x 110 mm
 Power supply 230 - 240 V, 50 Hz
 Sensor type High-frequency
 Transmitter power approx. 1mW
 HF-system 5.8 GHz (responds to the smallest of movements
 regardless of temperature)
 Output max. 60 W / E27
 Additional switching capacity at L':
 (resistive load, e.g. bathroom / WC extractor fan) 800 VA max.
 Angle of coverage 360° with 160° angle of aperture
 Detection also through glass, wood and stud walls
 Reach 1 - 8 m all round, infinitely variable,
 can be limited in 4 directions
 Max. area covered 50 m²
 Response light level 2 - 2000 lx
 Time setting 5 sec. - 15 min.
 IP rating IP44
 Protection class II
 Impact resistance IK07
 Temperature range -20 - +40 °C
 Material Aluminium base and plastic shade
 Complete with lamp No



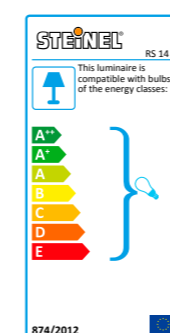
RS 14 L detection zone
 Mounting height 2.8 m
 orange = radial walking direction



Light distribution curve for RS 14L



Suitable for incandescent lamps, low-energy lamps and LEDs



Long-life aluminium enclosure



Plastic shade



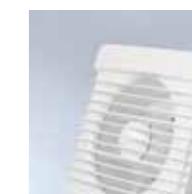
max. of 5 lights can be interconnected by cable



Impact-resistant material rated to IK 07



Facility for connecting extractor fan





Sensor-controlled light 365 days a year – thanks to a rechargeable lithium iron phosphate battery providing light availability for 60 days

Solar Lights

Here they are, the most efficient solar lights in the world.

Light without any connection to the power supply – that is the great idea behind solar lights. But it only makes sense if you can always rely on it. STEINEL XSolar lights simply work all the time – providing bright light 365 days a year. In bad weather too. Because we have managed to combine perfect components perfectly: highly efficient LEDs, precision STEINEL sensor technology, state-of-the-art lithium-iron-phosphate rechargeable batteries. When it's dark, this means you can be absolutely sure that light comes whenever it is needed – evenly illuminating up to 30 m². No matter whether it's summer or winter. This makes our XSolar lights the ideal lighting solution for house walls, carports and outdoor areas.



XSolar L-S

Solar lights that always work.
In summer as in winter.



Thought through from the very beginning.

Lighting for outdoors that is produced exclusively from solar energy. Without the need for a power point. And without any costs. Seen like this, solar lights are an excellent idea. Provided, of course, they really are efficient and work reliably. For a long time, though, neither the technology nor the lighting performance of products on the market was even close to being satisfactory. Which is why they encountered problems in prolonged phases without sunlight – only to fail dismally in the

winter. We wanted to do better. Or rather: our solar lights should be perfect. After all, as technology and innovation leader, STEINEL settles for nothing less than making sure our products offer the highest quality. And total reliability. As such, we make absolutely no compromises in whatever we develop. So, we took the time to do some lengthy research. Also in close collaboration with leading scientists and committed students from universities across the globe. We scrutinised everything, turned every single

component completely upside down and did a lot of thinking outside the box. The result shows that this effort was more than worth it: STEINEL has launched a new generation of solar lights that provide the ultimate in efficiency and performance. Because they are made from components of the highest quality – from the rechargeable battery, solar panel and sensor to the lamp and

high-performance processor with appropriate software. And because we have combined these components in the most intelligent way possible. In a way that simply makes our solar lights work all the time. No matter whether the sky is blue and the sun is shining – or whether it's snowing. So they keep the consumer satisfied in every respect. Their name: XSolar.



**No energy costs. No power connection.
No compromising, in summer as in winter.**

**Perfect components.
Perfectly combined.**

We asked ourselves what makes a solar light the best in the world.
The answer: the ability to provide bright light whenever it's needed. 365 days a year.
In bad weather too. How we have managed to do this, you can see here.



Monocrystalline solar panel

- Maximum efficiency, far higher than polycrystalline or amorphous solar panels
- Also recharges when it's cloudy



Highly efficient LED system

- 150 lumens at 1.2 W
- Area of up to 30 sq.m. brightly illuminated
- Maximum efficiency 124 lm/W



High-performance infrared sensor

- 140° sensor with Fresnel lens
- Slim-line sensor perfectly integrated in the design
- Light only switches on in response to movement



Lithium-iron-phosphate rechargeable battery

- Light availability for 60 days
- Withstands temperatures from -20°C to +40°C
- 2500 mAh capacity



Intelligent control

- Patented STEINEL software
- Permanent, automatic demand analysis
- Allows for environmental factors
- Dynamic control of lighting availability



XSolar L-S

**No energy costs. No power connection.
No compromising.**

Never again get agitated over solar lights that let you down: developing the XSolar, STEINEL now has the first solar light that always works. In technical terms, it combines the best components – from the highly efficient monocrystalline solar panel, the high-performance infrared sensor and the temperature-resistant rechargeable battery providing lighting availability for 60 days to the intelligent microprocessor control system – reliably illuminating up to 30 sq.m. of your outdoor space with bright LED light. 365 days a year. In any weather. And zero energy costs. This makes it the smartest solution for mounting on garden walls, external walls and wherever there's no power connection available.

**LED
LONG LIFE**



365 TAGE LICHT
Light 365 days
of the year

infrared
sensor 140°

8 m

1,8 m

1,2 w
150 lm
124 lm/W

30 qm

4000 K
neutral-white

2 lux

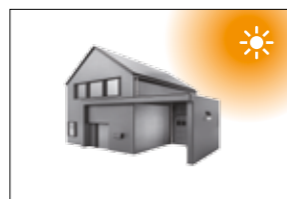
IP44

5 JAHRE GARANTIE
functional
warranty

EAN XSolar L-S anthracite	4007841 009823
Dimensions (H x W x D)	298 x 189 x 186.5 mm
Power supply	Solar, no mains power required
Sensor type	Passive infrared
Output (lights)	1.2 W
Luminous flux.	150 lm
Efficiency	124 lm/W
Colour temperature	4000 K / SDCM 5
Colour rendering	Ra ≥ 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	140°
Reach	8 m
Twilight setting	2 lx
Time setting	Dynamic
Basic light level	Yes
IP rating	IP44
Protection class	III
Material	UV-resistant plastic
Temperature range	-20 to +40°C
With lamp.	STEINEL LED system



Daytime charging



Light when it's needed



Light availability up to 60 days



High-quality mono-crystalline solar panel



Including STEINEL LED system



Optional basic lighting level



Compass for setting the panel to face the optimum direction



Including 2500 mAh lithium iron-phosphate rechargeable battery



Solar panel and LED panel can be mounted separately



Including 6 m extension cable



XSolar GL-S

Instantly impresses.

With efficiency and design.

Well-illuminated drives and paths to your front door give you and your guests the reassuring feeling of safety and security. The stand-mounted version of our efficient solar light lets you combine this with aesthetic elegance. Simply choose the stylish stand in the appropriate height – and illuminate up to 20 sq.m. with bright LED light. No energy costs whatsoever. With an LED life expectancy of 50,000 hours, changing a bulb is also a thing of the past.

LED
LONG LIFE



365 TAGE LICHT
Light 365 days of the year

infrared sensor 140°

5 m

1 m

1,2w
150lm
124lm/W

20qm

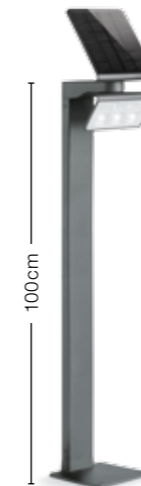
4000K
neutral-white

2 lux

IP44

5 JAHRE GARANTIE
functional warranty

EAN XSolar GL-S anthracite. 4007841 009830
 Dimensions (H x W x D) 1178 x 189 x 186.5 mm
 Power supply Solar, no mains power required
 Sensor type Passive infrared
 Output (lights) 1.2 W
 Brightness 150 lm
 Efficiency 124lm/W
 Colour temperature 4000 K/SDCM 5
 Colour rendering Ra≥80
 LED life expectancy 50,000 h (L70B10 to LM80)
 LED cooling system Passive Thermo Control
 Angle of coverage 140°
 Reach 5 m
 Response brightness. 2 lx
 Time setting Dynamic
 Basic light level Yes
 IP rating IP44
 Protection class III
 Material Stand in aluminium, UV-resistant plastic
 Temperature range -20 to +40°C
 With lamp. STEINEL LED system



Daytime charging



Light when it's needed



Light availability up to 60 days



High-quality mono-crystalline solar panel



Including STEINEL LED system



Optional basic lighting level



Compass for setting the panel to face the optimum direction



Including 2500 mAh lithium iron-phosphate rechargeable battery



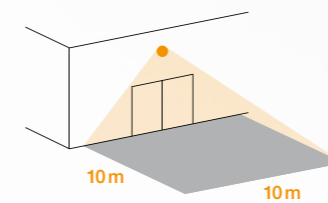


The new XLED PRO floodlights for evenly illuminating rectangular or square areas along buildings.

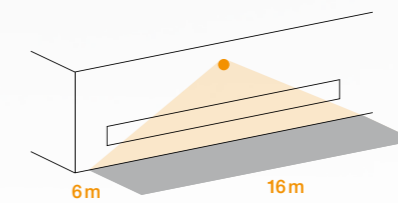
XLED



Sensor	•	•	•	•
Slave	•	•	•	•
Interconnectable	•	•	•	•
IP rating	IP54	IP54	IP54	IP54
LED system	24.8 W	48 W	24.8 W	48 W
Brightness / lumens	2400 lm	4400 lm	2400 lm	4400 lm
Additional switching capacity	max. 800 W	max. 800 W	max. 800 W	max. 800 W
Angle of coverage	240°	240°	240°	240°
Reach	max. 12m	max. 12m	max. 12m	max. 12m
Page	210	212	214	216



Square illumination:
XLED PRO Square



Rectangular illumination:
XLED PRO Wide

Good square or rectangular illumination.
XLED PRO Square and XLED PRO Wide

In 2008 we launched the XLED 10 and 25 as the first manufacturer to put a sensor-LED floodlight on the market and set the standard. During the conceptual design phase of the next generation, two aspects were of key importance to us: the full adjustability of the floodlight head and a light pattern aligned to the application. This resulted in the completely new concept of XLED PRO Wide and Square being created: Wide for the illumination of rectangular areas along the sides of buildings and Square for the illumination of large areas. We achieve the evenness of light using a precisely calculated LED lens matrix. The sophisticated mechanism permits adjustment in all directions, catering to any specific lighting situation. To top it all, we have optimised the sensor and, by the way, the price as well.

XLED PRO Square

Square-shaped light. Extremely bright.

Even illumination of large areas. The XLED PRO Square is equipped with the lens matrix developed by STEINEL and the fully swivelling and tilting flat design light head. It was specially developed to illuminate large areas homogeneously. The powerful high-end LEDs create an impressive brightness of 2400 lumens while consuming just 24.8 watts. The basic light LEDs provide orientation and safety with minimal energy consumption. The sensor has an angle of coverage of 240° and a reach of 12 metres. The slave version offered separately can be interconnected simply via cable. The XLED PRO Square eNet version can also be integrated into the new eNet system via wireless link. If this is not enough, its big brother - the XLED PRO Square XL - provides almost twice as much light output. With 4400 lumens at a consumption of just 48 watts, the sun now also shines at night.



LED

30 years
(\varnothing 4,5h/day)

24,8w

2400lm
97 lm/W

48w

4400lm
92 lm/W

eNet



4000 K
neutral-white



infrared
sensor 240°



max. 12m



IP 54



360°



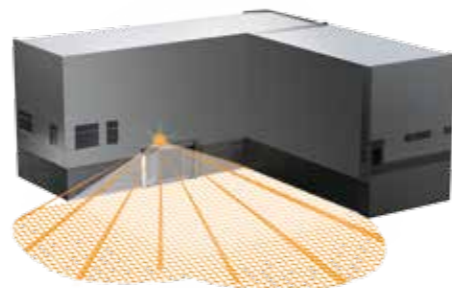
manual
override



energy
saving

**5 JAHRE
GARANTIE**

functional
warranty



EAN XLED Pro Square, white	4007841 009953
EAN XLED Pro Square, black	4007841 009977
EAN XLED Pro Square XL, white	4007841 009922
EAN XLED Pro Square XL, black	4007841 009946
EAN XLED Pro Square eNet, white	4007841 009991
EAN XLED Pro Square eNet, black	4007841 010027

You will find the eNet version on page 247

Dimensions (H x W x D)	230 x 178 x 130 mm
Power supply	220–240 V, 50 / 60 Hz
Mounting height	max. 6 m
Sensor type	Passive infrared
Output	24.8 W / 48 W (XL)
Luminous flux	2400 lm / 4400 lm (XL)
Efficiency	.97 lm/W / 92 lm/W (XL)
Colour temperature	4000K / SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
LED panel adjustability	.90° vertically, 360° horizontally
Angle of coverage	.240° with sneak-by guard
Capability of masking out individual segments	Yes
Reach	max. 12 m, temperature-stabilised
Sensor system	9 detection levels, 304 switching zones
Twilight setting	.2–1000 lx
Time setting	.5 sec - 15 min
IP rating	IP54
Protection class	.I
Basic light level	a) all night long, b) 10 min after expiry of the set time, 3% basic light level (approx. 3 W)
Soft light start	Yes
Manual override	Selectable, 4 h
Material	UV-resistant plastic (base), aluminium (heat sink)
Temperature range	-20 to +40°C
With lamp	STEINEL LED system
Lamp replaceable	No
Weight	1.6 kg

Optional accessories

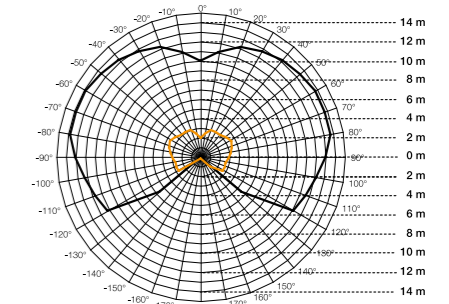
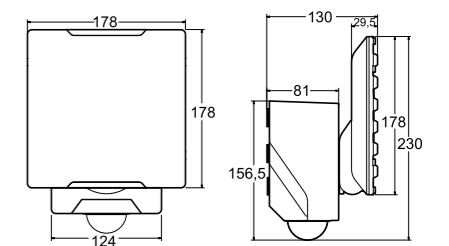
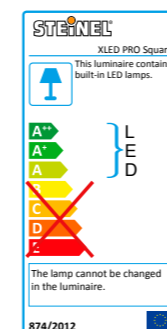
EAN remote control RC9	4007841 007638
EAN remote control Smart Remote	4007841 009151

Refer to the 'Accessories' section for further information.

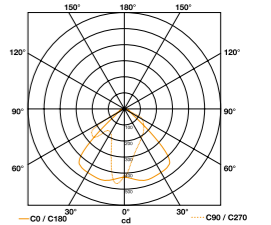


white

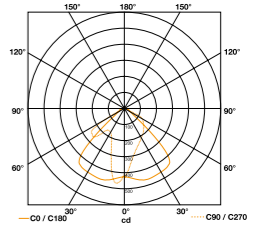
black



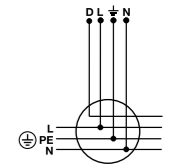
Detection zone for XLED PRO Square mounted at a height of 2.8 m
black = tangential walking direction
orange = radial walking direction



Light distribution curve for XLED PRO Square



Light distribution curve for XLED PRO Square XL



Including STEINEL LED system



Intelligent LED cooling system



Linear basic light level 3%



UV-resistant plastic



Interconnectable via cable, max. 10 floodlights



Optional remote controls refer to page 259



XLED PRO Square SL

Powerful counterpart.

The slave version for twice the lighting power.

Offered separately, the XLED PRO Square SL slave version is interconnected simply via cable, providing synchronous illumination for even larger areas. The XLED PRO Square also delivers 2400 lumens of light, features the unique lens matrix developed by STEINEL and comes with a fully swivelling and tilting flat design light head. For anyone wanting more, the XLED PRO Square XL model provides almost twice as much light. At 4400 lumens from just 48 W, the sun will then even shine at night.



LED

30 years
(\varnothing 4,5h/day)

24,8w

2400lm
97lm/W

48w

4400lm
92lm/W



4000 K
neutral-white



IP 54



360°



energy saving

5 JAHRE GARANTIE

functional warranty

EAN XLED Pro Square SL, white	4007841 010010
EAN XLED Pro Square SL, black	4007841 010034
EAN XLED Pro Square XL SL, white	4007841 009984
EAN XLED Pro Square XL SL, black	4007841 010003
Dimensions (H x W x D)	208 x 178 x 130 mm
Power supply	220–240 V, 50 / 60 Hz
Mounting height	max. 6 m
Output	24.8W / 48W (XL)
Luminous flux	2400 lm / 4400 lm (XL)
Efficiency	97 lm/W / 92 lm/W (XL)
Colour temperature	4000K / SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
LED panel adjustability	.90° vertically, 360° horizontally
IP rating	IP54
Protection class	.I
Basic light level	.a) all night long, .b) 10 min after expiry of the set time, .3% basic light level (approx. 3 W)
Soft light start	Yes
Material	UV-resistant plastic (base), aluminium (heat sink)
Temperature range	-20 to +40°C
With lamp	STEINEL LED system
Lamp replaceable	No
Weight	1.6 kg

Accessories

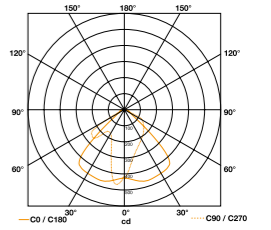
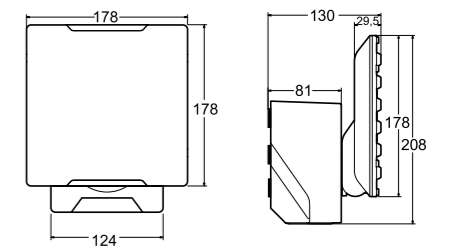
EAN remote control RC9	4007841 007638
EAN remote control Smart Remote	4007841 009151

Refer to the 'Accessories' section for further information.

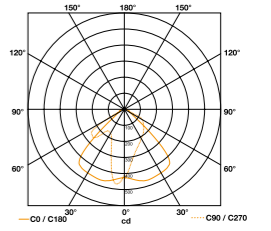


white

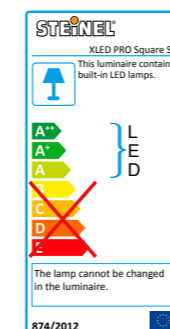
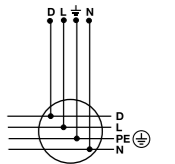
black



Light distribution curve for XLED PRO Square SL



Light distribution curve for XLED PRO Square XL SL



Including STEINEL LED system



Intelligent LED cooling system



Linear basic light level 3%



UV-resistant plastic



Interconnectable via cable, max. 10 floodlights



Optional remote controls refer to page 259



XLED PRO Wide

Full light power. Extra wide.

Lighting precision in wide format. Developed by STEINEL, the lens matrix and the fully swivelling and tilting flat design light head provides perfect illumination over particularly large areas or along buildings. The powerful high-end LEDs create an impressive brightness of 2400 lumens while consuming just 24.8 watts. The integrated basic light LEDs provide orientation and safety with minimal energy consumption. The sensor has an angle of coverage of 240° and a reach of 12 metres. The slave version offered separately can be interconnected simply via cable. The XLED PRO Wide eNet version can also be integrated into the new eNet system via wireless link. If it has to be even brighter, night can be turned into day with the XLED PRO Wide XL version. Delivering 4400 lumens from just 48 watts, this spot light really ought to be called a floodlight.



LED

30 years
(\varnothing 4,5h/day)

24,8w

2400lm
97lm/W

48w

4400lm
92lm/W

eNet



4000 K
neutral-white



infrared
sensor 240°



max. 12m



IP 54



360°



manual
override



energy
saving

5 JAHRE GARANTIE

functional
warranty



EAN XLED Pro Wide, white	4007841 010072
EAN XLED Pro Wide, black	4007841 010096
EAN XLED Pro Wide XL, white	4007841 010041
EAN XLED Pro Wide XL, black	4007841 010065
EAN XLED Pro Wide eNet, white	4007841 010218
EAN XLED Pro Wide eNet, black	4007841 010249

You will find the eNet version on page 247

Dimensions (H x W x D)	188 x 265 x 126 mm
Power supply	220–240 V, 50 / 60 Hz
Sensor type	Passive infrared
Output	24.8W / 48W (XL)
Luminous flux	2400 lm / 4400 lm (XL)
Efficiency	.97 lm/W / 92 lm/W (XL)
Colour temperature	4000K / SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	240° with sneak-by guard
Capability of masking out individual segments	Yes
Reach	max. 12 m, temperature-stabilised
Sensor system	9 detection levels, 304 switching zones
Twilight setting	2–1000 lx
Time setting	5 sec - 15 min
IP rating	IP54
Protection class	I
Basic light level	a) all night long, b) 10 min after expiry of the set time, 3% basic light level (approx. 3 W)
Manual override	Selectable, 4 h
Material	UV-resistant plastic (base), aluminium (heat sink)
Temperature range	-20 to +40°C
With lamp	STEINEL LED system
Lamp replaceable	No
Weight	1.87 kg

Optional accessories

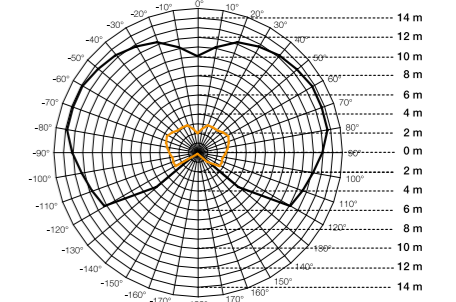
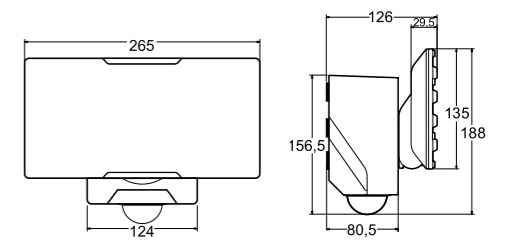
EAN remote control RC9	4007841 007368
EAN remote control Smart Remote	4007841 009151

Refer to the 'Accessories' section for further information.

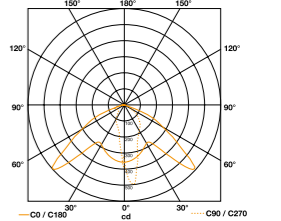


white

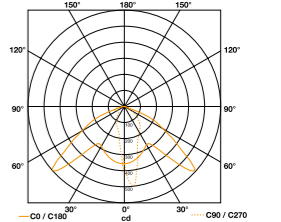
black



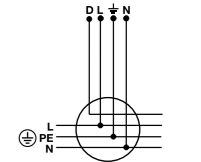
Detection zone for XLED PRO Wide mounted at a height of 2.8 m
black = tangential walking direction
orange = radial walking direction



Light distribution curve for XLED PRO Wide



Light distribution curve for XLED PRO Wide XL



Including STEINEL LED system



Intelligent LED cooling system



Linear basic light level 3%



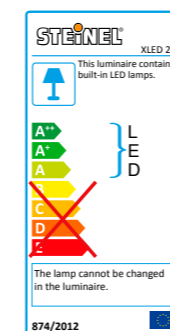
UV-resistant plastic



Interconnectable via cable, max. 10 floodlights



Optional remote controls refer to page 259



XLED PRO Wide SL

Brightness far and wide.

The slave version for maximum illumination.

The perfect solution for extending a lighting system to cover particularly wide areas or provide uninterrupted illumination along buildings. Offered separately, the XLED PRO Wide SL without sensor is very easy to interconnect via cable. Invented by STEINEL, the lens matrix always guarantees perfect illumination in conjunction with the fully swivelling and tilting flat design light head. The powerful high-end LEDs impress with 2400 lumens of light.


Not bright enough? Not a problem: the XLED PRO Wide XL version finally turns night into day. Generated from 48 W, 4400 lumens provide floodlighting with a stadium-like atmosphere.



LED
30 years
(Ø 4,5h/day)

24,8w
2400lm
97lm/W

48w
4400lm
92lm/W


4000 K
neutral-white


IP 54


360°


energy saving

5 JAHRE GARANTIE
functional warranty

EAN XLED Pro Wide SL, white	4007841 010232
EAN XLED Pro Wide SL, black	4007841 010256
EAN XLED Pro Wide XL SL, white	4007841 010201
EAN XLED Pro Wide XL SL, black	4007841 010225
Dimensions (H x W x D)	165 x 265 x 126 mm
Power supply	220–240 V, 50 / 60 Hz
Output	24.8 W / 48 W (XL)
Luminous flux	2400 lm / 4400 lm (XL)
Efficiency	.97 lm/W / 92 lm/W (XL)
Colour temperature	4000K / SDCM 3
Colour rendering	Ra ≥ 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
IP rating	IP54
Protection class	.I
Basic light level	a) all night long, b) 10 min after expiry of the set time, 3% basic light level (approx. 3 W)
Material	UV-resistant plastic (base), aluminium (heat sink)
Temperature range	-20 to +40°C
With lamp	STEINEL LED system
Lamp replaceable	No
Weight	1.87 kg

Optional accessories

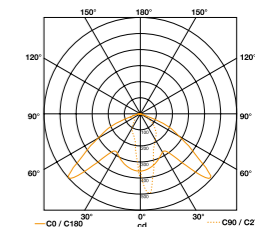
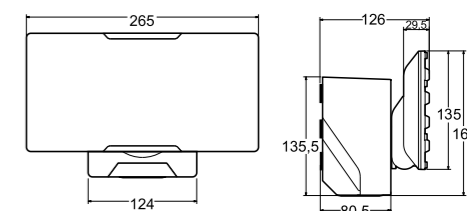
EAN remote control RC9	4007841 007638
EAN remote control Smart Remote	4007841 009151

Refer to the 'Accessories' section for further information.

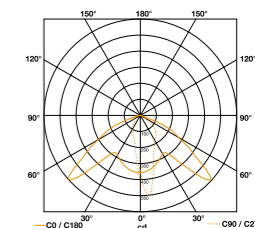


white

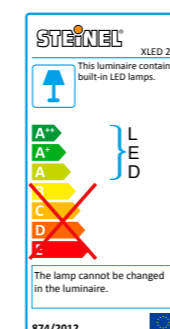
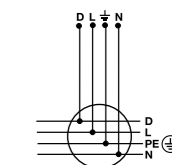
black



Light distribution curve for XLED PRO Wide SL



Light distribution curve for XLED PRO Wide XL SL



Including STEINEL LED system



Intelligent LED cooling system



Linear basic light level 3%



UV-resistant plastic



Interconnectable via cable, max. 10 floodlights



Optional remote controls refer to page 259





LED
LONG LIFE



Sensor-Switched
Lights for Outdoors

**The mark of energy-conscious households.
Outdoor sensor lights with all-inclusive LED system.**

In some parts of Germany, illuminated house numbers are already compulsory. Apart from this, they also mean visibly more security, convenience and aesthetic appeal. Today, there's hardly a more energy-efficient way to set off house numbers and entrance areas than with STEINEL Professional outdoor sensor-switched lights. Form and function team up to create attractive eye-catchers that complement the style of modern architecture. All STEINEL Professional models combine efficient LED lighting technology with infrared sensor systems, producing resplendent statements of a dazzling awareness for conserving energy and protecting the environment.

L 650 LED

**In great shape.
Extremely tough.**

The larger the residential complex, the higher the demands are on entrance and house number lights. Modern, yet understated design is the optional part, robustness the compulsory one. The L 650 LED sensor-switched light is both: an attractive beauty and beautifully tough. The plastic base and polycarbonate shade are impact-resistant. The infrared sensor's multi-lens is enclosed in a plastic cage to protect it from vandalism. A sheet of house numbers is included.

**LED
LONG LIFE**



LED

30 years
(\varnothing 4,5h/day)

8w

90lm
11 lm/W



3200 K
warm-white



infrared
sensor 180°



max. 12m



IP 44



2-2000 lux



5 sec - 15 min



manual
override



soft light
start

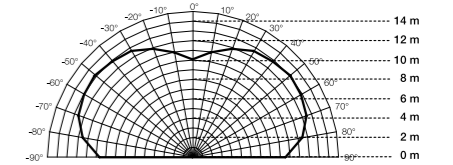
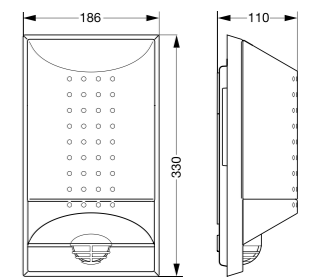


energy
saving

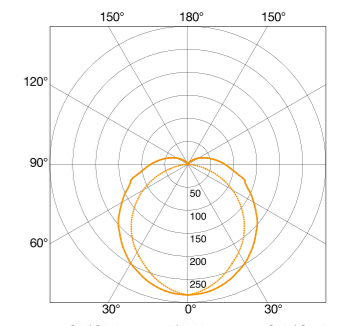


5 JAHRE
GARANTIE
functional
warranty

EAN L 650 LED, white	4007841 004033
EAN L 650 LED, grey	4007841 004095
Dimensions (H x W x D)	330 x 186 x 110 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Passive infrared
Output	.8 W power LEDs
Luminous flux	.90 lm
Efficiency	11.3 lm/W
Colour temperature	3200K / SDCM 6
Colour rendering	.Ra \geq 65
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	180° with 90° angle of aperture
Capability of masking out individual segments	Yes
Reach	2 basic settings: max. 12 m or max. 5 m
Sensor system	.10 detection levels (12 m), 9 detection levels (5 m), .480 switching zones (12 m), 412 switching zones (5 m)
Response light level	.2 - 2000 lx
Time setting	.5 sec - 15 min
Basic light level	0% - 50%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	.IP44
Protection class	.II
Impact resistance	.IK07
Temperature range	-20 to +40°C
Material	plastic base and polycarbonate
With lamp	.STEINEL LED system
Lamp replaceable	.No
Sheet of house numbers	.included



Detection zone for L 650 LED
mounted at a height of 2.8 m
black = tangential walking direction

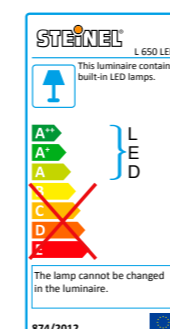
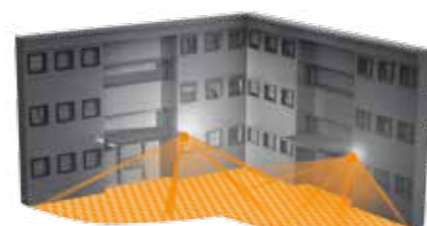
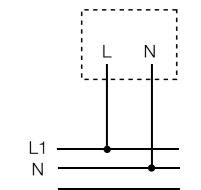


Light distribution curve for L 650 LED



white

grey



Including STEINEL
LED system



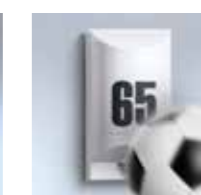
Intelligent soft light
start



Optional basic lighting
level 0 - 50%



Impact-resistant
material rated to IK07



Including sheet of
self-adhesive house
numbers



L 665 LED

100% design.
90% energy saving.

With its elegant aluminium enclosure and semi-transparent house-number panel, the L 665 LED is the energy-efficient hallmark for any building entrance: together, LED and sensor technology use up to 90 % less energy. Complete with basic lighting level, soft light start as well as adjustable time and twilight threshold. But the secret highlight is the infrared miniature sensor. You can hardly see it, but it sees absolutely everything. Incidentally, the house number panel can be positioned either on the left or on the right.

LED
LONG LIFE



LED

30 years
(\varnothing 4,5h/day)

9w

155lm
17lm/W



3200 K
warm-white



infrared
sensor 360°



max. 8m



IP 44



2-2000 lux



5 sec - 15 min



manual
override



soft light
start

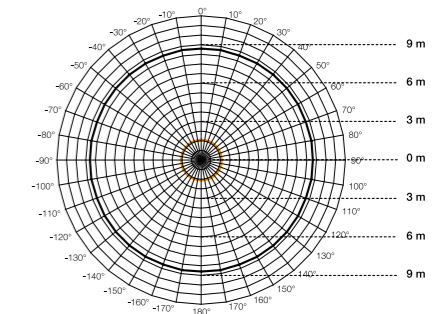
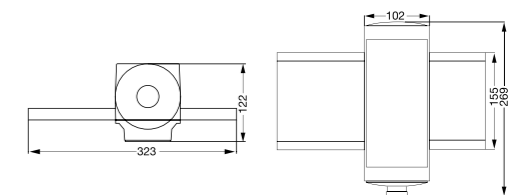


energy
saving

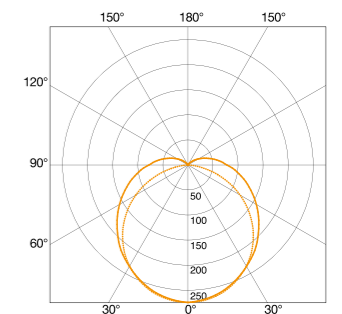
5 JAHRE GARANTIE

functional
warranty

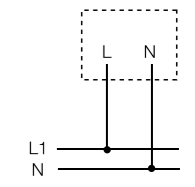
EAN L 665 LED aluminium-silver	4007841 003760
Dimensions (H x W x D)	269 x 323 x 122 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Passive infrared
Output	9 W LED (2 x 4 W + 1 W LED house number lighting)
Luminous flux	155 lm
Efficiency	17.2 lm/W
Colour temperature	3200K / SDCM 6
Colour rendering	Ra \geq 65
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360° with sneak-by guard
Capability of masking out individual segments	Yes
Reach	max. 8 m all-round
Sensor system	2 detection levels, 512 switching zones
Response light level	2 - 2000 lx
Time setting	5 sec - 15 min
Basic light level	0% or 25%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP44
Protection class	II
Temperature range	-20 to +40°C
Material	aluminium
With lamp	STEINEL LED system
Lamp replaceable	No
Sheet of house numbers	included



Detection zone for L 665 LED
mounted at a height of 2.8 m
black = tangential walking direction
orange = radial walking direction



Light distribution curve for L 665 LED



Panel provides space
for a 3-digit house
number



Panel can be moved
to the left or right



Including STEINEL
LED system



Sensor with 4 intelli-
gent programmes



Intelligent soft light
start



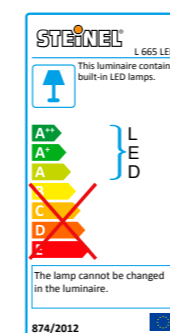
High-quality aluminium



Optional basic light
level 25%



Including sheet of
self-adhesive house
numbers



L 666 LED

Harmonises with modern architecture.

And with the L 665 LED house-number light.

Just one outdoor light on a building is rarely enough. The L 666 LED is the perfect complement for the L 665 LED house number light of identical design, creating a display of lights in matching style along the fronts of modern buildings. But as a solo artist too, it delivers an impressive performance playing the eye-catcher, making it equally as suitable as a purist house-number light. A sheet of house numbers is included.

LED
LONG LIFE



LED

30 years
(Ø 4,5h/day)

8w

150lm
18lm/W



3200 K
warm-white



infrared
sensor 360°



max. 8m



IP 44



2-2000 lux



5 sec - 15 min



manual
override



soft light
start

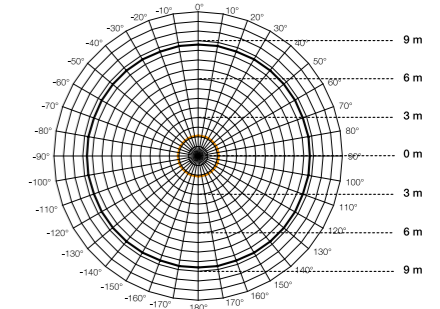
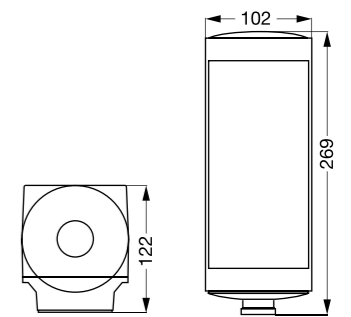


energy
saving

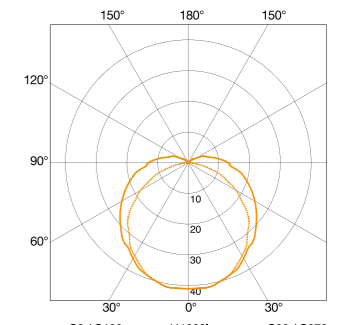
**5 JAHRE
GARANTIE**

functional
warranty

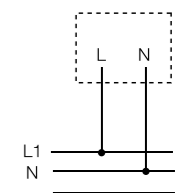
EAN L 666 LED aluminum-silver	4007841 003777
Dimensions (H x W x D)	269 x 102 x 122 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Passive infrared
Output	8 W LED (2 x 4 W)
Luminous flux	150 lm
Efficiency	18.7 lm/W
Colour temperature	3200K / SDCM 6
Colour rendering	Ra ≥ 65
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360° with sneak-by guard
Capability of masking out individual segments	Yes
Reach	max. 8 m all-round
Sensor system	2 detection levels, 512 switching zones
Response light level	2 - 2000 lx
Time setting	5 sec - 15 min
Basic light level	0% or 25%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP44
Protection class	I
Temperature range	-20 to +40°C
Material	aluminium
With lamp	STEINEL LED system
Lamp replaceable	No
Sheet of house numbers	included



Detection zone for L 666 LED
mounted at a height of 2.8 m
black = tangential walking direction
orange = radial walking direction



Light distribution curve for L 666 LED



Including STEINEL
LED system



Sensor with 4 intelli-
gent programmes



Intelligent soft light
start



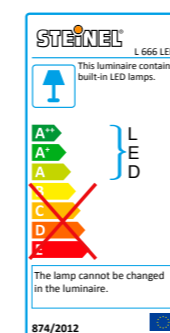
High-quality aluminium



Optional basic light
level 25%



Including sheet of
self-adhesive house
numbers



L 675 LED

Design that creates a wave of excitement. With LED technology to match.

The L 675 LED cleverly plays tricks on the eye. From a distance, you merely see it as two straight-edged cubes. But a closer look reveals an element of movement – the left-hand front panel curves forward, the right one curves back. The wave effect this produces creates a striking look with aesthetic appeal.

**LED
LONG LIFE**



LED
30 years
(\varnothing 4,5h/day)

9w
140lm
15lm/W

3200 K
warm-white

infrared sensor 360°

max. 8m

IP 44

2–2000 lux

5 sec–15 min

manual override

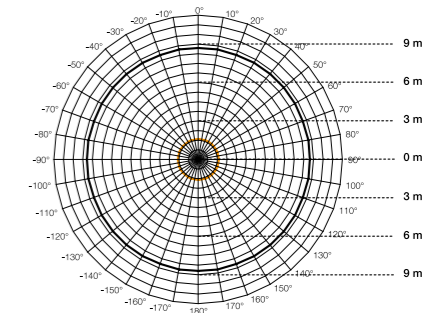
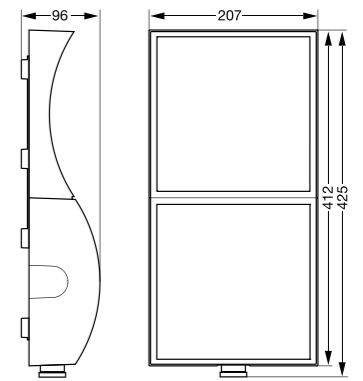
soft light start

energy saving

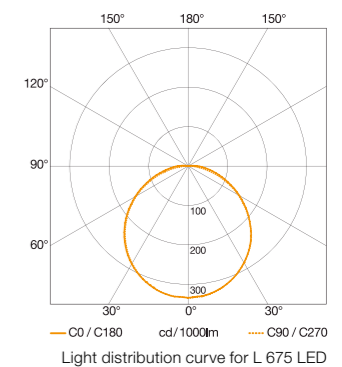
5 JAHRE GARANTIE
functional warranty



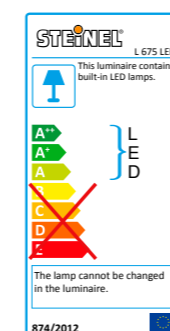
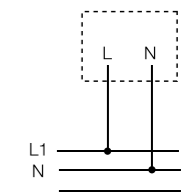
EAN L 675 LED, aluminium-silver. 4007841 003852
 EAN L 675 LED, aluminium-anthracite. 4007841 581817
 Dimensions (H x W x D) 207 x 425 x 96 mm
 Power supply 230 – 240 V, 50 Hz
 Sensor type Passive infrared
 Output 9 W LED (2 x 4 W + 1 W LED house number lighting)
 Luminous flux. 140 lm
 Efficiency 15.5 lm/W
 Colour temperature 3200K / SDCM 4
 Colour rendering Ra \geq 65
 LED life expectancy 50,000 h (L70B10 to LM80)
 LED cooling system Passive Thermo Control
 Angle of coverage 360° with sneak-by guard
 Capability of masking out individual segments Yes
 Reach max. 8 m all round, temperature-stabilised
 Response light level. 2 - 2000 lx
 Time setting 5 sec - 15 min
 Basic light level 0% or 25%
 Soft light start Yes
 Manual override Selectable, 4 h
 IP rating IP44
 Protection class II
 Temperature range -20 to +40°C
 Material aluminium base and acrylic glass
 With lamp. STEINEL LED system
 Lamp replaceable No
 Sheet of house numbers included



Detection zone for L 675 LED mounted at a height of 2.8 m
 black = tangential walking direction
 orange = radial walking direction



Light distribution curve for L 675 LED



Can also be mounted in portrait format, by repositioning the sensor



Including STEINEL LED system



Sensor with 4 intelligent programmes



Intelligent soft light start



High-quality aluminium



Optional basic light level 25%



Including sheet of self-adhesive house numbers



L 676 LED

Outstanding design.

Outstanding combination.

Quality. Lighting. Squared. As a purist-looking house-number light with outwardly curving front, the L 676 LED has what it takes to become a modern classic. And it also cuts a fine figure as a matching addition to the L 675 LED outdoor sensor-switched light.

LED
LONG LIFE



LED

30 years
(\varnothing 4,5h/day)

8w

140lm
17lm/W



3200 K
warm-white



infrared
sensor 360°



max. 8m



IP 44



2-2000 lux



5 sec - 15 min



manual
override



soft light
start



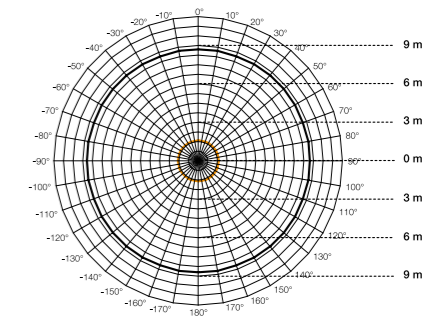
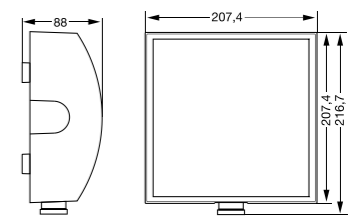
energy
saving

**5 JAHRE
GARANTIE**

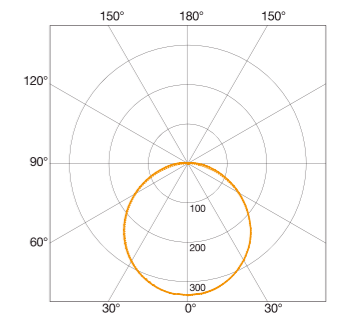
functional
warranty



EAN L 676 LED, aluminium-silver	4007841 003869
EAN L 676 LED, aluminium-anthracite	4007841 581916
Dimensions (H x W x D)	216.7 x 207.4 x 88 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Passive infrared
Output . . . . .	.8 W power LEDs
Luminous flux	140 lm
Efficiency	17.5 lm/W
Colour temperature	3200K / SDCM 6
Colour rendering . . . . .	.Ra \geq 65
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage . . . . .	.360° with sneak-by guard
Capability of masking out individual segments	Yes
Reach	max. 8 m all-round
Response light level . . . . .	.2 - 2000 lx
Time setting . . . . .	.5 sec - 15 min
Basic light level	0% or 25% Yes
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating . . . . .	.IP44
Protection class . . . . .	.II
Temperature range	-.20 to +40°C
Material	aluminium base and acrylic glass
With lamp	STEINEL LED system
Lamp replaceable . . . . .	.No
Sheet of house numbers	included



Detection zone for L 676 LED
mounted at a height of 2.8 m
black = tangential walking direction
orange = radial walking direction



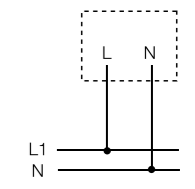
— C0 / C180 cd/1000lm — C90 / C270
Light distribution curve for L 676 LED



aluminium-silver



aluminium-anthracite



Including STEINEL
LED system



Sensor with 4 intelli-
gent programmes



Intelligent soft light
start



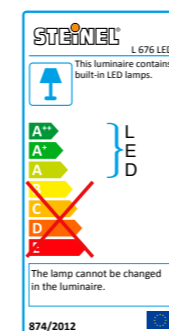
High-quality aluminium



Optional basic light
level 25%



Including sheet of
self-adhesive house
numbers



L 680 LED

Pleasing eye-catcher.
Pleasing for the overall effect.

Aluminium and satinised glass are two of the most popular materials in architecture today. And a colour palette that goes from white to anthracite via silver. L 680 LED picks up on precisely this trend. The generously proportioned base is available in glass, aluminium and a variety of colour shades. Providing a harmonious match between the house-number light and front doors, window frames, roller-shutter boxes and garage doors for instance.

LED
LONG LIFE



LED

30 years
 (Ø 4,5h/day)

8w

150lm
 18lm/W



3200 K
 warm-white



infrared
 sensor 140°



max. 12m



IP 43



2-2000 lux



5 sec - 15 min



manual
 override



soft light
 start

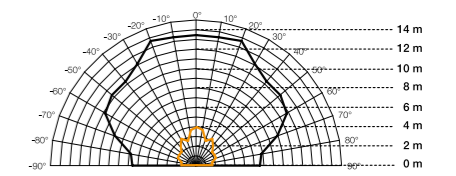
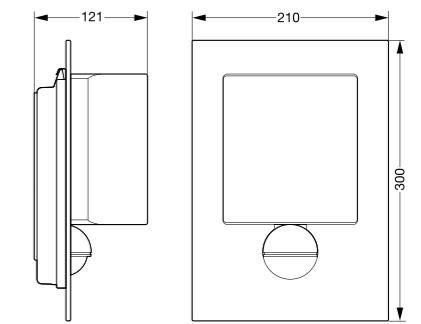


energy
 saving

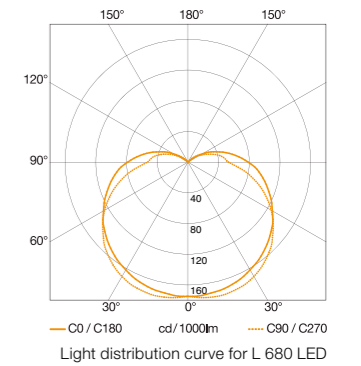
5 JAHRE
GARANTIE

functional
 warranty

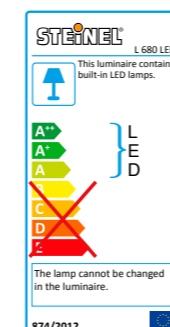
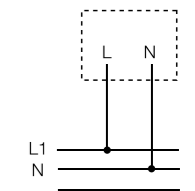
EAN L 680 LED, glass, white	4007841 003821
EAN L 680 LED, glass, silver	4007841 003838
EAN L 680 LED, stainless steel	4007841 671914
EAN L 680 LED, aluminium-silver	4007841 003814
EAN L 680 LED, aluminium-anthracite	4007841 003807
Dimensions (H x W x D)	300 x 210 x 121 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Passive infrared
Output	8 W LED (2 x 4 W), 160 lm
Luminous flux	150 lm
Efficiency	18.7 lm/W
Colour temperature	3200K / SDCM 6
Colour rendering	Ra ≥ 65
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	140° with 90° angle of aperture
Capability of masking out individual segments	Yes
Reach	2 basic settings: max. 12 m or max. 5 m
Response light level	.2 - 2000 lx
Time setting	.5 sec - 15 min
Basic light level	0% - 50%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP43
Protection class	II
Temperature range	-20 to +40°C
Material	Opal glass shade with trim panel in glass, stainless steel or aluminium
With lamp	STEINEL LED system
Lamp replaceable	No
Sheet of house numbers	included



Detection zone for L 680 LED
 mounted at a height of 2.8 m
 black = tangential walking direction
 orange = radial walking direction



Light distribution curve for L 680 LED



Including STEINEL
 LED system



Intelligent soft light
 start



Optional basic lighting
 level 0 - 50%



High-quality aluminium



Including sheet of
 self-adhesive house
 numbers



L 690 LED

Popular style.
Full range of functions.

The square is one of the most popular shapes anywhere in and around the home. This is why it's only logical for STEINEL to believe in this familiar design that people like. And combine it with innovative LED and sensor technology. Just like all of STEINEL's outdoor LED sensor-switched lights, the L 690 LED comes with the full range of functions too: basic brightness, soft light start as well as adjustable time and twilight threshold. The shade is available in either glass or PMMA.

LED
LONG LIFE



LED

30 years
 (Ø 4,5h/day)

16w

350lm
 21,8lm/W



3200 K
 warm-white



infrared
 sensor 360°



max. 8m



IP 44



2–2000 lux



5 sec–15 min



manual
 override



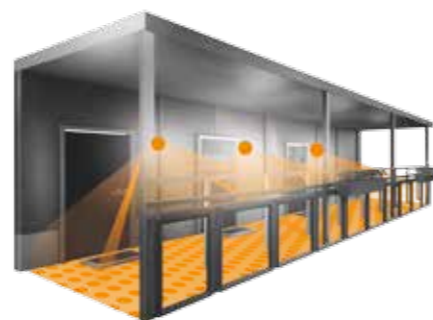
soft light
 start



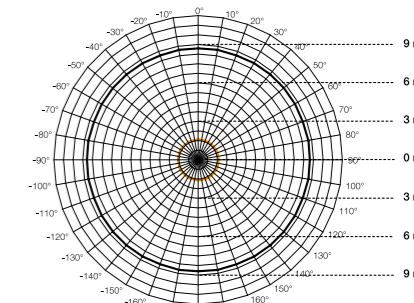
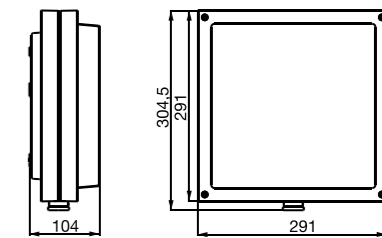
energy
 saving

5 JAHRE
GARANTIE

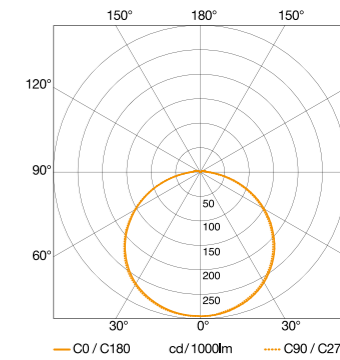
functional
 warranty



EAN L 690 LED, aluminium-silver, PMMA	4007841 672010
EAN L 690 LED, aluminium-silver, glass	4007841 671518
EAN L 690 LED, aluminium-anthracite, PMMA	4007841 672119
EAN L 690 LED, aluminium-anthracite, glass	4007841 671617
Dimensions (H x W x D)	304.5 x 291 x 104 mm
Power supply	230 – 240 V, 50 Hz
Sensor type	Passive infrared
Output	16 W power LEDs
L 690 LED, PMMA, luminous flux	350 lm
L 690 LED, PMMA, efficiency	21.8 lm/W
L 690 LED, glass, luminous flux	320 lm
L 690 LED, glass, efficiency	20.6 lm/W
Colour temperature	3200K / SDCM 6
Colour rendering	Ra ≥ 65
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360° with sneak-by guard
Capability of masking out individual segments	Yes
Reach	max. 8 m all-round
Sensor system	2 detection levels, 512 switching zones
Twilight setting	2–2000 lx
Time setting	5 sec - 15 min
Basic light level	0% or 20%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP44
Protection class	II
Temperature range	-10 to +50°C
Material	aluminium base with glass or PMMA shade
With lamp	STEINEL LED system
Lamp replaceable	No
Sheet of house numbers	included
Weight	3.80 kg



Detection zone for L 690 LED
 mounted at a height of 2.8 m
 black = tangential walking direction
 orange = radial walking direction



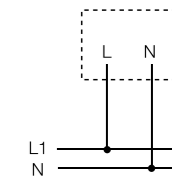
Light distribution curve for L 690 LED



aluminium-silver



aluminium-anthracite



Including STEINEL
 LED system



Sensor with 4 intelli-
 gent programmes



Intelligent soft light
 start



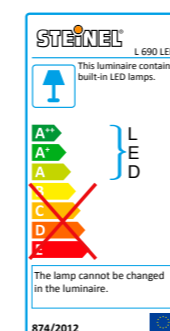
High-quality aluminium



Optional basic light
 level 20%



Including sheet of
 self-adhesive house
 numbers



L 691 LED

Perfectly guarded.
Perfectly equipped.

Footballers don't always land in between the goal posts but can often hit hard for home-owners too. This is the reason for outdoor sensor-switched light L 691 LED. It gives protection in a most decorative form. The grid prevents damage to the glass shade. And cuts a fine figure as it does so too. With the same design, technology, features and range of functions as the L 690 LED outdoor sensor-switched light.

LED
LONG LIFE



LED

30 years
(\varnothing 4,5h/day)

16w

350lm
21,8lm/W



3200 K
warm-white



infrared
sensor 360°



max. 8m



IP 44



2-2000 lux



5 sec - 15 min



manual
override



soft light
start

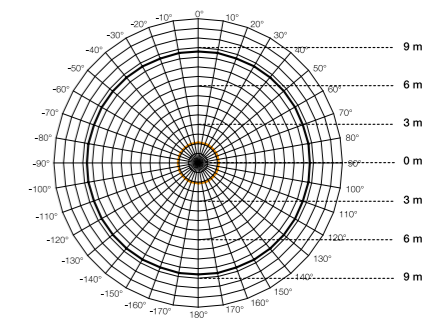
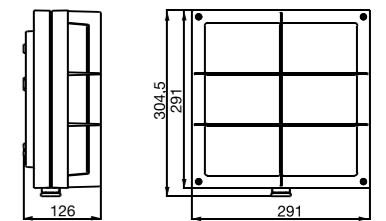


energy
saving

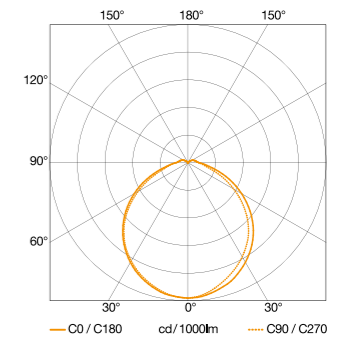
5 JAHRE
GARANTIE

functional
warranty

EAN L 691 LED, aluminium-silver, PMMA	4007841 672218
EAN L 691 LED, aluminium-anthracite, PMMA	4007841 672317
EAN L 691 LED, aluminium-silver, glass	4007841 671716
EAN L 691 LED, aluminium-anthracite, glass	4007841 671815
Dimensions (H x W x D)	304.5 x 291 x 126 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Passive infrared
Output	16 W power LEDs
L 691 LED, PMMA, luminous flux	350 lm
L 691 LED, PMMA, efficiency	21.8 lm/W
L 691 LED, glass, luminous flux	320 lm
L 691 LED, glass, efficiency	20.6 lm/W
Colour temperature	3200K / SDCM 6
Colour rendering	Ra \geq 65
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360° with sneak-by guard
Capability of masking out individual segments	Yes
Reach	max. 8 m all-round
Sensor system	2 detection levels, 512 switching zones
Twilight setting	2-2000 lx
Time setting	5 sec - 15 min
Basic light level	0% or 20%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP44
Protection class	II
Temperature range	-10 to +50°C
Material	aluminium base with glass or PMMA shade
With lamp	STEINEL LED system
Lamp replaceable	No
Weight	3.80 kg



Detection zone for L 691 LED
mounted at a height of 2.8 m
black = tangential walking direction
orange = radial walking direction



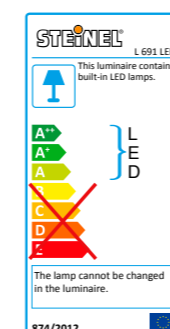
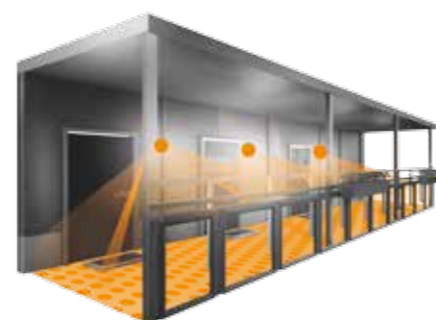
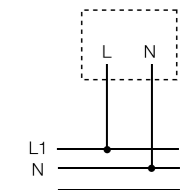
Light distribution curve for L 691 LED



aluminium-silver



aluminium-anthracite



Including STEINEL
LED system



Intelligent soft light
start



Optional basic light
level 20%



Sensor with 4 intelli-
gent programmes



High-quality aluminium





The classic light.

Sensor-switched outdoor light with E27 fitting.

The classic globe light is an absolute favourite in the STEINEL Professional range. Doubtlessly also because this is where persistently valued style and modern technology complement each other to create products that always impress. Speaking of persistent value: glass shades made of hand-blown crystal glass as well as weatherproof materials are also values that stand above any short-lived design trend.

L 400 S

The classic light. Upgraded all round.

There are some shapes you simply can't improve. Like the light with the classic globe shade. It has been one of the favourite choices among home-owners for decades. That's not likely to change much in future either. Because STEINEL has upgraded this classic light design with cutting-edge sensor technology for a bright tomorrow too. Also particularly attractive is the transparent opal glass with decorative bubble effect.



max. 60W

E27



infrared sensor 240°



max. 12m



IP 44



2-2000 lux



10sec-15min



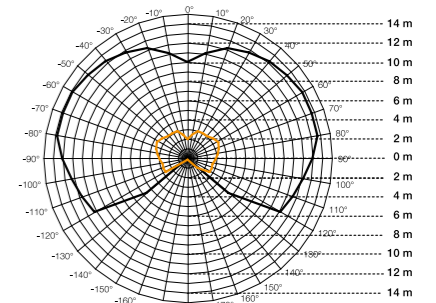
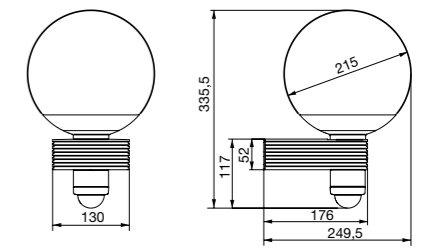
manual override



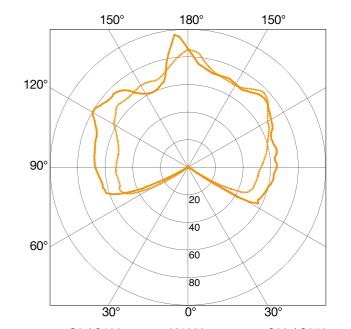
energy saving

5 JAHRE GARANTIE
functional warranty

EAN L 400 S, white	4007841 611118
EAN L 400 S, black	4007841 611019
Dimensions (H x W x D)	335.5 x 215 x 249.5 mm
Power supply	220 - 240 V, 50 / 60 Hz
Sensor type	Passive infrared
Output	max. 60W / E27
Angle of coverage	240° with 180° angle of aperture
Capability of masking out individual segments	Yes
Reach	max. 12 m (temperature-stabilised)
Sensor system	5 detection levels, 276 switching zones
Twilight setting	2-2000 lx
Time setting	10 sec - 15 min
Basic light level	0% - 50%
Manual override	Selectable, 4 h
IP rating	IP44
Protection class	II
Temperature range	-20 to +40°C
Material	UV-resistant plastic
Complete with lamp	No
Lamp replaceable	Yes



Detection zone for L 400 S mounted at a height of 2.8 m
black = tangential walking direction
orange = radial walking direction

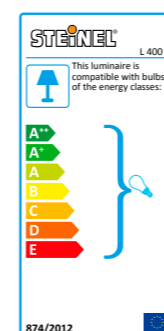
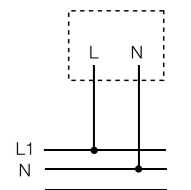


Light distribution curve for L 400 S



white

black



Crystal glass shade



Optional basic lighting level 0-50%



UV-resistant plastic





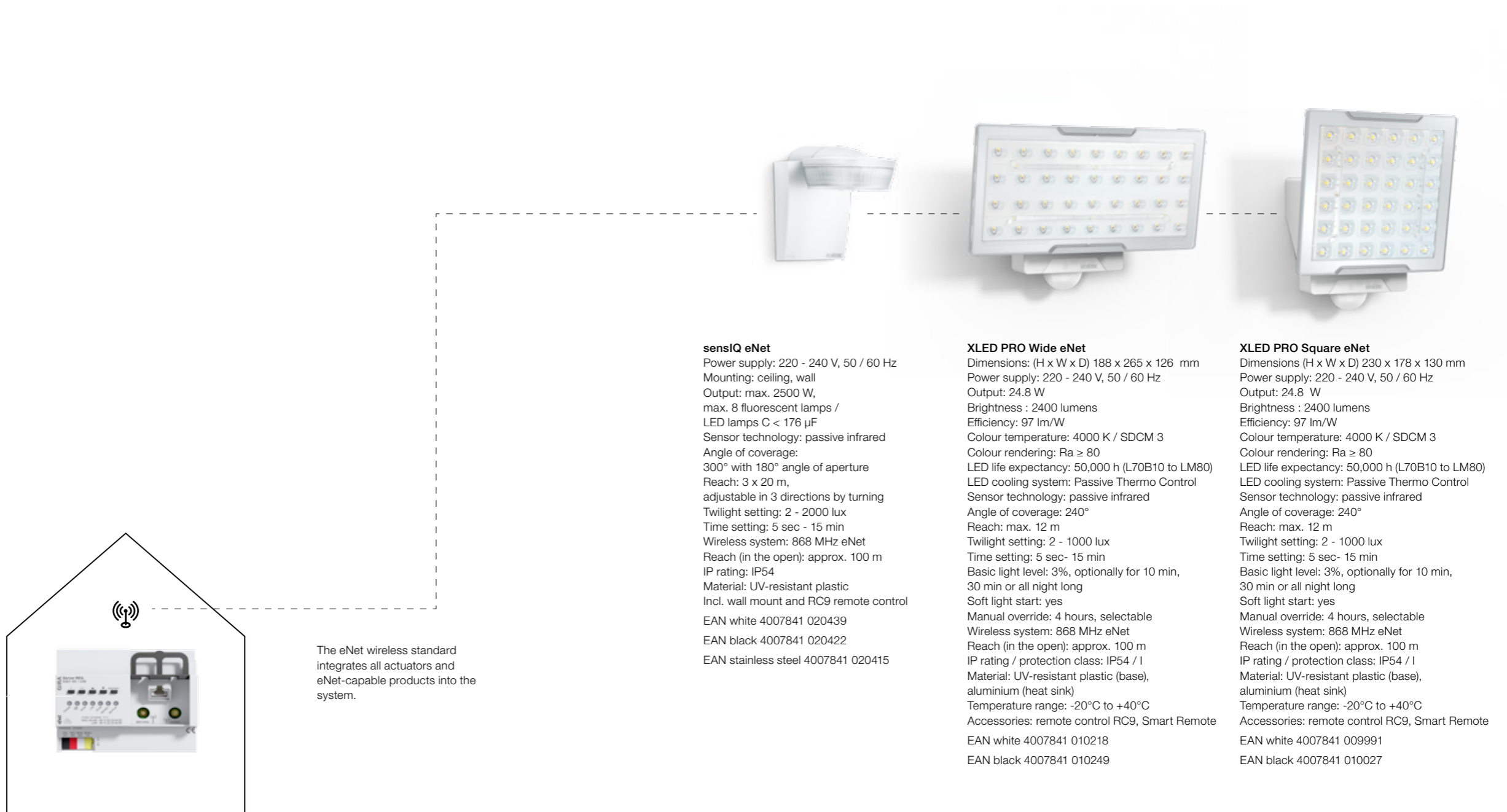
The smart home standard for the trade.

eNet

Buildings can now be retrofitted and equipped with intelligent SmartHome technology effortlessly and without dirt or complicated new installation work. The cooperation of leading manufacturers now provides the platform for professional automation in existing buildings. With eNet, existing electrical installations can now be upgraded conveniently with smart new functions.

The devices can be remote-controlled either individually or in groups and from home or out and about. eNet is designed as the industry standard which further cooperation partners can join in the future. With the new bidirectional 868 MHz wireless system, installations such as lighting and roller shutters can be linked together intelligently. Energy sensors let you record how much energy you are using. eNet gives you smart, versatile, quickly installed, upgradeable, energy-efficient and future-proof convenience.





The eNet server is the wireless module, control room and intelligent centre of the eNet system.

The eNet wireless standard integrates all actuators and eNet-capable products into the system.

sensiQ eNet

Power supply: 220 - 240 V, 50 / 60 Hz
 Mounting: ceiling, wall
 Output: max. 2500 W,
 max. 8 fluorescent lamps /
 LED lamps C < 176 µF
 Sensor technology: passive infrared
 Angle of coverage:
 300° with 180° angle of aperture
 Reach: 3 x 20 m,
 adjustable in 3 directions by turning
 Twilight setting: 2 - 2000 lux
 Time setting: 5 sec - 15 min
 Wireless system: 868 MHz eNet
 Reach (in the open): approx. 100 m
 IP rating: IP54
 Material: UV-resistant plastic
 Incl. wall mount and RC9 remote control
 EAN white 4007841 020439
 EAN black 4007841 020422
 EAN stainless steel 4007841 020415

XLED PRO Wide eNet

Dimensions (H x W x D) 188 x 265 x 126 mm
 Power supply: 220 - 240 V, 50 / 60 Hz
 Output: 24.8 W
 Brightness : 2400 lumens
 Efficiency: 97 lm/W
 Colour temperature: 4000 K / SDCM 3
 Colour rendering: Ra ≥ 80
 LED life expectancy: 50,000 h (L70B10 to LM80)
 LED cooling system: Passive Thermo Control
 Sensor technology: passive infrared
 Angle of coverage: 240°
 Reach: max. 12 m
 Twilight setting: 2 - 1000 lux
 Time setting: 5 sec- 15 min
 Basic light level: 3%, optionally for 10 min,
 30 min or all night long
 Soft light start: yes
 Manual override: 4 hours, selectable
 Wireless system: 868 MHz eNet
 Reach (in the open): approx. 100 m
 IP rating / protection class: IP54 / I
 Material: UV-resistant plastic (base),
 aluminium (heat sink)
 Temperature range: -20°C to +40°C
 Accessories: remote control RC9, Smart Remote
 EAN white 4007841 010218
 EAN black 4007841 010249

XLED PRO Square eNet

Dimensions (H x W x D) 230 x 178 x 130 mm
 Power supply: 220 - 240 V, 50 / 60 Hz
 Output: 24.8 W
 Brightness : 2400 lumens
 Efficiency: 97 lm/W
 Colour temperature: 4000 K / SDCM 3
 Colour rendering: Ra ≥ 80
 LED life expectancy: 50,000 h (L70B10 to LM80)
 LED cooling system: Passive Thermo Control
 Sensor technology: passive infrared
 Angle of coverage: 240°
 Reach: max. 12 m
 Twilight setting: 2 - 1000 lux
 Time setting: 5 sec- 15 min
 Basic light level: 3%, optionally for 10 min,
 30 min or all night long
 Soft light start: yes
 Manual override: 4 hours, selectable
 Wireless system: 868 MHz eNet
 Reach (in the open): approx. 100 m
 IP rating / protection class: IP54 / I
 Material: UV-resistant plastic (base),
 aluminium (heat sink)
 Temperature range: -20°C to +40°C
 Accessories: remote control RC9, Smart Remote
 EAN white 4007841 009991
 EAN black 4007841 010027



Simple configuration via tablet or smartphone. eNet Mobile Gate also makes the system very easy to operate via app.



eNet wireless hand-held transmitter 2x
 • for transmitting switching commands to the eNet wireless receiver
 • each channel uses two buttons
 • button pairs can be set to provide channel or scene function
 Wireless system: 868.3 MHz
 EAN 4007841 032821



eNet switching actuator
 1x Mini
 • can be used for switching lighting ON and OFF
 • status feedback to eNet wireless transmitter
 • scene mode
 • dimensions: 28 x Ø 53 mm
 • power supply: 230 V, 50 / 60 Hz
 • temperature range: -25 to +70°C
 • wireless system: 868.3 MHz
 • reach (in the open): approx. 100 m
 EAN: 4007841 032838



Smart Remote

One for all.

The Smart Remote and an app puts you in control of everything.

STEINEL sensors and sensor-switched lights are very easy to control via remote control and the associated app. For this, a smartphone or tablet is placed on the Smart Remote and connected via Bluetooth. An infrared interface permits communication with the sensors and lights. It doesn't get any smarter than that!



EAN Smart Remote4007841 009151
 Dimensions (H x W x D) 115 x 52 x 26 mm
 Operating voltage 2 batteries, type AAA



Download app



Connect Smart Remote via Bluetooth



Device is ready for use



The Smart Remote replaces the following remote controls: IR remote control RC1, RC2, RC3, RC4, RC5, RC6, RC7, RC8, RC9, RC10

Products controllable via Smart Remote:

Presence detectors: IR Quattro, IR Quattro HD, IR Quattro SLIM, IR Quattro SLIM XS, HF 360, Dual HF, US 360, Single US, Dual US, DualTech

Presence switches: IR 180, HF 180

Motion detectors: iHF 3D, sensIQ, sensIQ S, IS 3360, IS 3360 MX Highbay, IS 345, IS 345 MX Highbay, IS 3180, HF 3360

Photo-cell controllers / light sensors: NM 5000-3, Light Sensor Dual

Indoor sensor-switched lights: RS PRO 5000, RS PRO 5002, RS PRO 5100, RS PRO 5200, RS PRO 5500, RS PRO 5800 LED, RS PRO 5850 LED, RS PRO DL LED 15/20 W, RS PRO LED Q1, RS PRO LED S2, RS PRO LED S2 IP65

Sensor-switched floodlights: XLED PRO Square, XLED PRO Wide

Accessories for Motion Detectors



IR remote control RC1

- Twilight response threshold is set at the press of a button. The current value can be altered any number of times.
 - Holiday function, manual override, permanent light OFF
 - Controlling the optional soft start module
- EAN 4007841 601416



IR user remote control RC5

- Reset function via potentiometer and DIP settings
 - Installation function
 - Presentation mode
 - In DIM and DALI versions
 - Reduce, increase DIM level: output 1
 - Permanent OFF/ON: output 1/2 (4 hours)
 - In DALI versions
 - Reduce, increase DIM level: output 2
 - Save lighting scenario 1 (value for output 1/2 is saved)
 - Save lighting scenario 2 (value for output 1/2 is saved)
- EAN 4007841 592806



IR service remote control RC6 KNX

- Reach setting HF
 - Stay-ON time, switching contact 1, light
 - Stay-ON time, switching contact 2 (HVAC)
 - Twilight setting
 - Reset function via potentiometer and DIP settings
 - Reduce sensitivity (HF only, cf. RS PRO)
 - Teach IN
- EAN 4007841 593018



IR user remote control RC7 KNX

- Reduce, increase DIM level: output 1
 - Permanent OFF/ON, output 1 (4 hours)
 - Reduce, increase DIM level: output 2
 - Permanent OFF/ON, output 2 (4 hours)
 - Save lighting scenario 1 (value for output 1/2 is saved)
 - Save lighting scenario 2 (value for output 1/2 is saved)
 - Reset function via potentiometer and DIP settings
- EAN 4007841 592912



IR service remote control RC8

- Stay-ON time, switching contact 1, light
 - Stay-ON time, switching contact 2 (HVAC)
 - Twilight setting
 - Basic brightness
 - Constant-lighting control
 - Teach IN
 - Automatic or manual mode
 - Reset function
- EAN 4007841 559410



IR remote control RC9

- Twilight setting
 - Stay-ON time
 - Reset
 - Install mode
 - Permanently OFF/ON (4h) + TEACH mode
- EAN 4007841 007638



Floating module MPF

- Floating operation of independent devices
 - Suitable for safety extra-low voltage
- EAN 4007841 609115



Corner wall mount for sensIQ

- | | |
|-------------------|----------------|
| EAN white | 4007841 601966 |
| EAN stainl. steel | 4007841 602062 |
| EAN black | 4007841 600969 |



Corner wall mount for sensIQ S

- | | |
|-------------------|----------------|
| EAN white | 4007841 608835 |
| EAN stainl. steel | 4007841 608804 |
| EAN black | 4007841 608828 |



Corner wall mount 04

- | | |
|-----------|----------------|
| EAN white | 4007841 648114 |
| EAN black | 4007841 648015 |



IR remote control RC1	EAN 4007841 601416						
IR remote control RC9	EAN 4007841 007638	•	•	•			
Smart Remote	EAN 4007841 009151	•	•	•			•
Floating module MPF 1	EAN 4007841 609115	•					
Corner wall mount, sensIQ, white	EAN 4007841 601966	•	•				
Corner wall mount, sensIQ, stainless steel	EAN 4007841 602062	•	•				
Corner wall mount, sensIQ, black	EAN 4007841 600969	•	•				
Corner wall mount, sensIQ S, white	EAN 4007841 608835				•		•
Corner wall mount, sensIQ S, stainless steel	EAN 4007841 608804				•		•
Corner wall mount, sensIQ S, black	EAN 4007841 608828				•		•



IR remote control RC9	EAN 4007841 007638	•	•
Smart Remote	EAN 4007841 009151	•	•



IR remote control RC5	EAN 4007841 592806	•	•	•	•	•	•	•
IR remote control RC8	EAN 4007841 559410	•	•	•	•	•	•	•
Smart Remote	EAN 4007841 009151	•	•	•	•	•	•	•
Corner wall mount 04, white	EAN 4007841 035174	•			•			•
Corner wall mount 04, black	EAN 4007841 648015				•			•



Smart Remote	EAN 4007841 009151	•	•	•	•	•	•	•
Service remote control RC6 KNX	EAN 4007841 593018	•	•	•	•	•	•	•
User remote control RC7 KNX	EAN 4007841 592912	•	•	•	•	•	•	•
Corner wall mount 04, white	EAN 4007841 035174	•			•			

Accessories for Control Pro Presence Detector



IR user remote control RC5

- Reset function via potentiometer and DIP settings
 - Installation function
 - Presentation mode
 - In DIM and DALI versions
 - Reduce, increase DIM level: output 1
 - Permanent OFF/ON: output 1/2 (4 hours)
 - In DALI versions
 - Reduce, increase DIM level: output 2
 - Save lighting scenario 1 (value for output 1/2 is saved)
 - Save lighting scenario 2 (value for output 1/2 is saved)
- EAN 4007841 592806



IR service remote control RC8

- Stay-ON time, switching contact 1, light
 - Stay-ON time, switching contact 2 (HVAC)
 - Twilight setting
 - Basic brightness
 - Constant-lighting control
 - Teach IN
 - Automatic or manual mode
 - Reset function
- EAN 4007841 559410

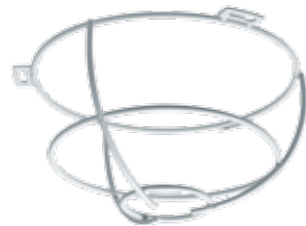


Smart Remote

- Replaces all remote controls RC1-RC10
 - Intuitive app for setting STEINEL sensors and sensor-switched lights
- EAN 4007841 009151



		IR Quattro HD	IR Quattro	IR Quattro SLIM	IR Quattro SLIM XS	HF 360	Dual HF
Service remote control RC8	EAN 4007841 559410	•	•	•	•	•	•
User remote control RC5	EAN 4007841 592806	•	•	•	•	•	•
Smart Remote	EAN 4007841 009151	•	•	•	•	•	•
HF ceiling adapter	EAN 4007841 006600					•	•
Surface-mounting adapter AP Box	EAN 4007841 000363	•	•			•	•
Kaiser junction box for false ceilings	EAN 4007841 000370	•	•			•	•
Clamping-type ceiling adapter	EAN 4007841 002855	•	•			•	•
Guard cage	EAN 4007841 003036	•	•			•	•
EAN 6 m extension cable	4007841 006419			•			



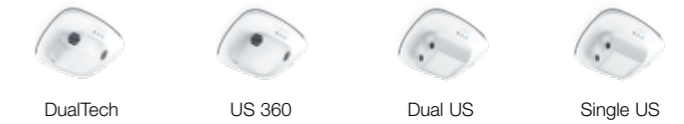
Guard cage

- It provides protection from against damage, e.g. caused by balls or vandalism.
- EAN 4007841 003036



HF ceiling adapter for installation in suspended ceilings

- Concealed installation
 - Protected from vandalism
 - Without daylight calibration
- EAN 4007841 006600



		DualTech	US 360	Dual US	Single US
Service remote control RC8	EAN 4007841 559410	•	•	•	•
User remote control RC5	EAN 4007841 592806	•	•	•	•
Smart Remote	EAN 4007841 009151	•	•	•	•
Surface-mounting adapter AP Box	EAN 4007841 000363	•	•	•	•
Kaiser junction box for false ceilings	EAN 4007841 000370	•	•	•	•
Clamping-type ceiling adapter	EAN 4007841 002855	•	•	•	•
Guard cage	EAN 4007841 003036	•	•	•	•



Surface-mounting adapter AP Box

- The Control PRO AP Box surface-mounting adapter is designed for making easy work of surface-mounting presence detectors. 4x cable entry and large terminal compartment make installation effortlessly easy. It provides protection rating to IP54 (not for ultrasonic or the DualTech).
- EAN 4007841 000363



Adapter surrounds for IR/HF 180 presence switches

- Adapter surrounds for integrating STEINEL IR 180 and HF 180 presence switches in surrounds from switch manufacturers Busch-Jaeger, Jung and Feller
- Please refer to the adjacent table for the correct EAN.



		IR 180 UNIVERSAL	IR 180	HF 180
Service remote control RC8	EAN 4007841 559410		•	•
User remote control RC5	EAN 4007841 592806		•	•
Smart Remote	EAN 4007841 009151		•	•
Adapter for Busch-Jaeger, white	EAN 4007841 034139	•	•	•
Adapter for Busch-Jaeger, silver	EAN 4007841 034146	•	•	•
Adapter for Jung, white	EAN 4007841 034184	•	•	•
Adapter for Jung, silver	EAN 4007841 034177	•	•	•
Adapter for Feller, white	EAN 4007841 034160	•	•	•
Adapter for Feller, silver	EAN 4007841 034153	•	•	•

Accessories for KNX Presence Detectors



IR service remote control RC6 KNX

- Reach setting HF
- Stay-ON time, switching contact 1, light
- Stay-ON time, switching contact 2 (HVAC)
- Twilight setting
- Reset function via potentiometer and DIP settings
- Reduce sensitivity (HF only, cf. RS PRO)
- Teach IN

EAN 4007841 593018



IR user remote control RC7 KNX

- Reduce, increase DIM level: output 1
- Permanent OFF/ON, output 1 (4 hours)
- Reduce, increase DIM level: output 2
- Permanent OFF/ON, output 2 (4 hours)
- Save lighting scenario 1 (value for output 1/2 is saved)
- Save lighting scenario 2 (value for output 1/2 is saved)
- Reset function via potentiometer and DIP settings

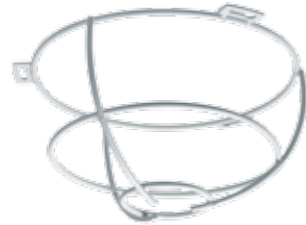
EAN 4007841 592912



Smart Remote

- Replaces all remote controls RC1-RC10
- Intuitive app for setting STEINEL sensors and sensor-switched lights

EAN 4007841 009151



Guard cage

- It provides protection against damage, for example, from balls or vandalism.

EAN 4007841 003036



HF ceiling adapter for installation in suspended ceilings

- Concealed installation
- Protected from vandalism
- Without daylight calibration

EAN 4007841 006600



Surface-mounting adapter AP Box KNX

- The surface-mounting adapter also features 4x cable entry and a large terminal compartment, and is suitable for surface-mounting the KNX connecting options

EAN 4007841 003029



Adapter surround for IR/HF 180 presence switches

- Adapter surrounds for integrating STEINEL IR 180 and HF 180 presence switches in surrounds from switch manufacturers Busch-Jaeger, Jung and Feller

Please refer to the adjacent table for the corresponding EAN.



		IR Quattro HD KNX	IR Quattro KNX	IR Quattro SLIM KNX	IR Quattro SLIM XS KNX	HF 360 KNX	Dual HF KNX
Service remote control RC6 KNX	EAN 4007841 593018	•	•	•	•	•	•
User remote control RC7 KNX	EAN 4007841 592912	•	•	•	•	•	•
Smart Remote	EAN 4007841 009151	•	•	•	•	•	•
HF ceiling adapter	EAN 4007841 006600					•	•
Surface-mounting adapter AP Box KNX	EAN 4007841 003029	•	•			•	•
Kaiser junction box for false ceilings	EAN 4007841 000370	•	•			•	•
Clamping-type ceiling adapter	EAN 4007841 002855	•	•			•	•
Guard cage	EAN 4007841 003036	•	•			•	•
6 m extension cable	EAN 4007841 006419			•			



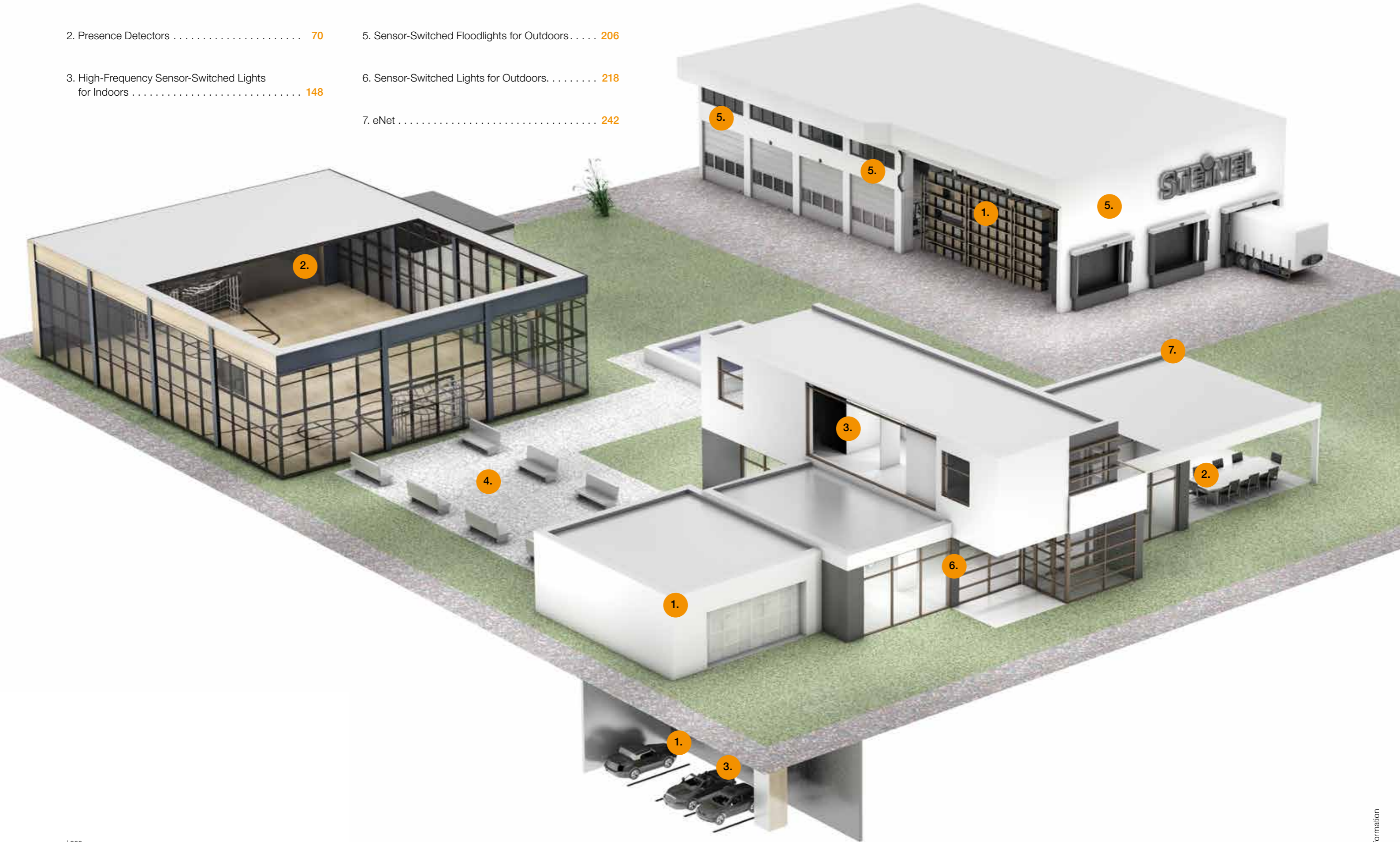
		DualTech KNX	US 360 KNX	Dual US KNX	Single US KNX
Service remote control RC6 KNX	EAN 4007841 593018	•	•	•	•
User remote control RC7 KNX	EAN 4007841 592912	•	•	•	•
Smart Remote	EAN 4007841 009151	•	•	•	•
Surface-mounting adapter AP Box KNX	EAN 4007841 003029	•	•	•	•
Kaiser junction box for false ceilings	EAN 4007841 000370	•	•	•	•
Clamping-type ceiling adapter	EAN 4007841 002855	•	•	•	•



		IR 180 UNIVERSAL KNX	IR 180 KNX	HF 180 KNX
Service remote control RC6 KNX	EAN 4007841 593018		•	•
User remote control RC7 KNX	EAN 4007841 592912		•	•
Smart Remote	EAN 4007841 009151		•	•
Adapter for Busch-Jaeger, white	EAN 4007841 034139	•	•	•
Adapter for Busch-Jaeger, silver	EAN 4007841 034146	•	•	•
Adapter for Jung, white	EAN 4007841 034184	•	•	•
Adapter for Jung, silver	EAN 4007841 034177	•	•	•
Adapter for Feller, white	EAN 4007841 034160	•	•	•
Adapter for Feller, silver	EAN 4007841 034153	•	•	•

Sensor Technology at a Glance

1. Motion Detectors	18	4. Solar Lights	194
2. Presence Detectors	70	5. Sensor-Switched Floodlights for Outdoors	206
3. High-Frequency Sensor-Switched Lights for Indoors	148	6. Sensor-Switched Lights for Outdoors	218
		7. eNet	242



Our 4 sensor technologies.
The right solution for any application.

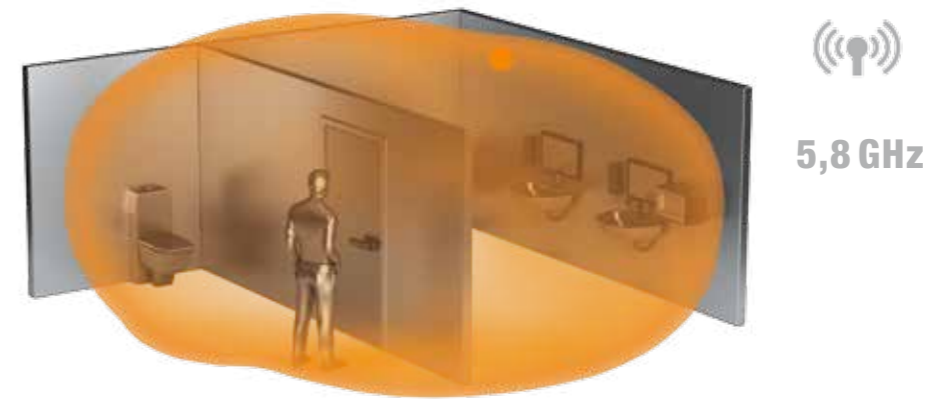
Passive infrared

Responds to moving sources of heat.



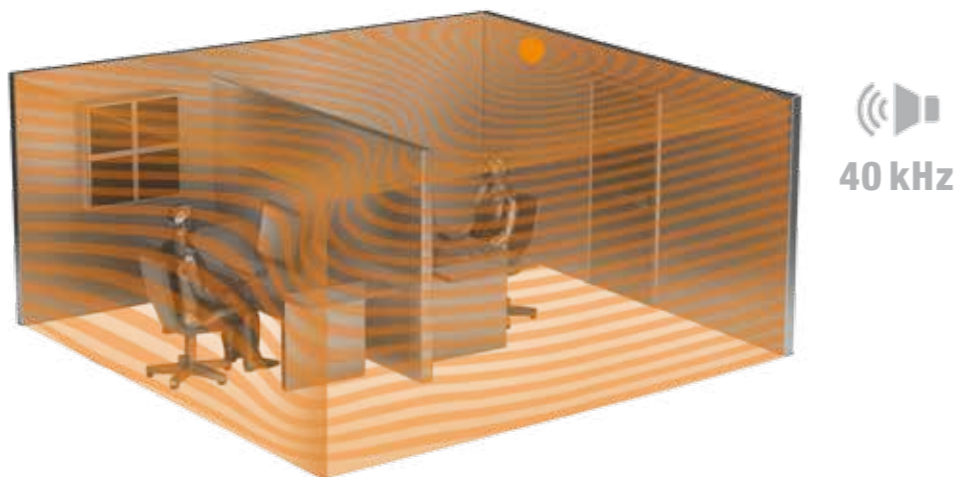
High frequency

Can even see through thin walls.



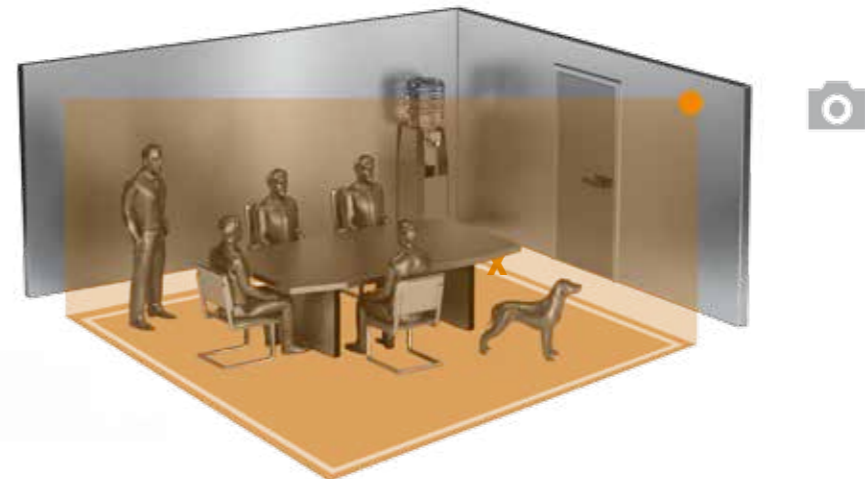
Ultrasonic

Fills the entire room and also detects movement around objects.



Camera sensor system

Only detects people and can also count them.



Passive infrared (IR)

Responds to moving sources of heat.

Heat radiated from the human body

A person's body heat gives off infrared radiation. Infrared sensor technology uses this radiation to identify movements and respond to them accordingly.



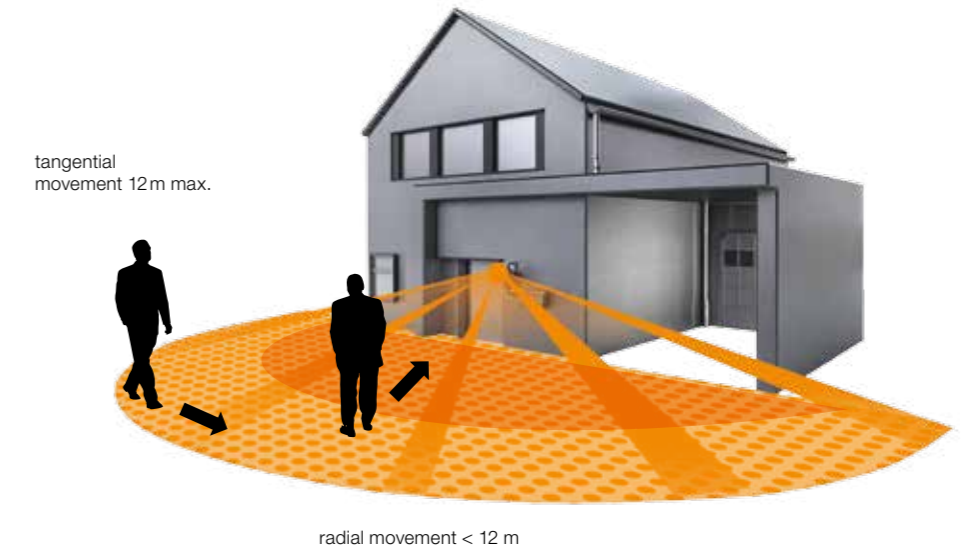
How does it work:

The heart of infrared sensor technology is what's known as a pyro sensor. This electronic module responds to a change in infrared heat radiated inside its detection zone, i.e. when anyone enters the areas it is watching over. The system converts the resultant surge in voltage into an electronic pulse that activates the light.

Reach

Tangential and radial reach

STEINEL infrared sensors come with a reach that is determined by the direction of movement. Average reach is approx. 12 m for tangential movements (parallel to the sensor). This is shorter for radial movements (towards the sensor).



Segment Lenses



Fresnel lenses are made up of many single lenses arranged in a circular segment. They have a maximum angle of coverage of 180°. An additional "window" also watches over the area below the main detection zone, making it virtually impossible to creep past underneath the sensors without being detected.



To look at, STEINEL multi-lenses are reminiscent of a house fly's compound eye and watch over every inch of space with their semi-spherical detection zone. STEINEL's multi-lens technology provides the best possible optics for motion detectors with double or triple-sensor system covering angles of 180° to 360°.



The STEINEL mini-sensor is small, unobtrusive and easy to remove. Function programmes geared to practical needs can be set from above.



Basic Settings



Adjustment range

STEINEL sensors with a coverage angle of less than 360° are equipped with lenses that can be tilted and turned for exact adjustment to the situation at the point of installation.



Twilight setting

A control dial can be used for infinitely varying brightness threshold from 2 lux (night) to 2000 lux (day). This prevents light from coming ON unnecessarily during the day.



Shrouds

All sensors come with shrouds that can be cut to size for limiting detection zones (e.g. next to neighbouring property / roads).



Time setting

Adjustable to any period from 5 seconds to 15 minutes to suit specific needs. After detecting movement, the light stays ON for the period selected.

High frequency (HF)

Can even see through thin walls.



5,8 GHz

This is how it works:

The high-tech sensors emit signals at a frequency of 5.8 GHz (one thousandth of a mobile phone's) that can even pass through glass and stud walls completely unhindered. These signals echo off the surroundings and return to the sensor. If a movement in the detection zone changes the echo pattern, the sensor responds and switches the light ON in fractions of a second.



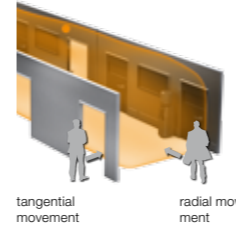
STEINEL high-frequency sensors detect movements irrespectively of body temperature and direction of movement. They provide complete coverage and switch light ON instantly. Integrated into the light to leave them invisible from the outside, lights can be created in particularly attractive designs, especially for indoors.

Application - Indoors



Doppler principle

The HF sensor actively emits high-frequency waves and identifies movements in its detection zone using the Doppler principle. It reliably responds to the slightest movement.



Tangential = radial

The direction of movement doesn't matter to the HF sensor. No matter whether you approach the sensor from the front or side – the detection quality and -reach are always of the same high quality.



Penetrating detection

The HF sensor reliably detects movements through glass, wooden panels and stud walls – that's something only HF technology can do.



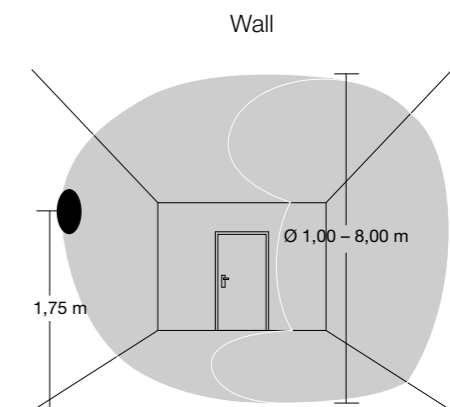
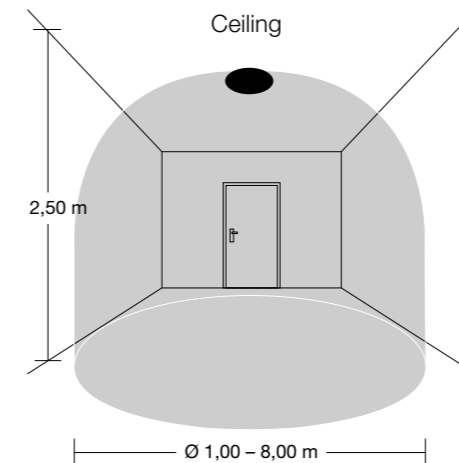
Optional concealed installation

The HF sensor can be installed behind suspended ceilings for aesthetic reasons or to protect it from vandalism. This makes no difference to detection reliability.



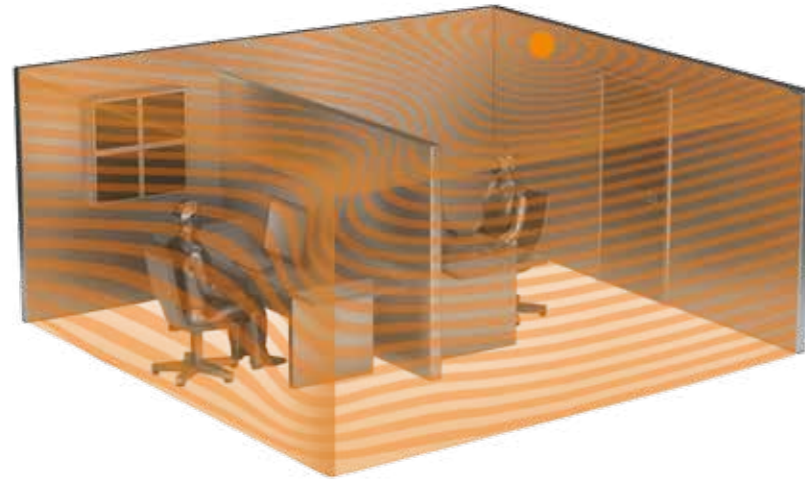
Perfect whether cold or hot


HF technology works in a temperature range of -30°C to +50°C without any adverse effect on function.



Ultrasonic (US)

Fills the entire room and also detects movement around objects.




40 kHz

This is how it works:

The ultrasonic waves (40kHz) are actively emitted from the sensor and completely fill the respective room. They permeate into every last corner, enveloping objects that are present in the room. The sensor identifies movement in the room even if there is no visual contact between sensor and person. The signal is evaluated on the basis of the Doppler principle. It is this that makes ultrasonic sensors ideal for open-plan offices and rooms with stud walls. Ultrasonic waves do not penetrate thin walls and are highly sensitive. And therefore particularly recommended for rooms in which sedentary activities are performed.



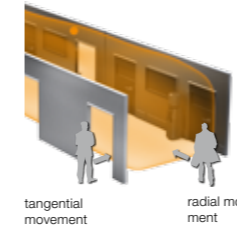
US 360

Application - Indoors



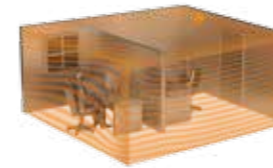
Active not passive

The US sensor actively emits ultrasonic waves and identifies movements in its detection zone using the Doppler principle. It reliably responds to the slightest movement.



Tangential = radial

Walking direction doesn't matter to the US sensor. No matter whether you approach the sensor from the front or side – the detection quality and -reach are always of the same high quality.



Fills the entire room

The ultrasonic waves emitted by the US sensor can envelop objects completely. This makes it possible to cover the entire room – regardless of partition walls or other obstacles.



Dual Tech

DualTech pools the benefits of two different sensor technologies in one product. The intelligent combination of passive infrared (PIR) and ultrasound provides significantly more detection capabilities.

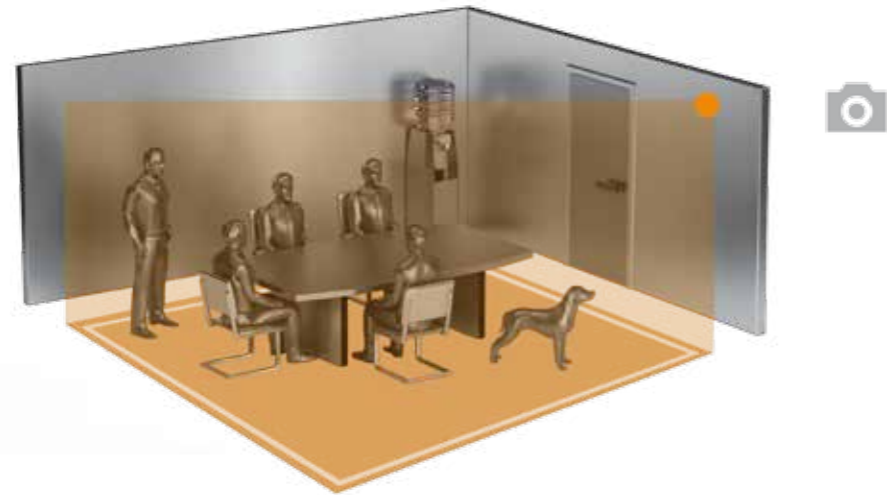


Perfect whether cold or hot

US technology works in a temperature range from -30°C to +50°C without any adverse effect on function.

Camera sensor system

Only detects people and can also count them.



HPD2

This is how it works:

STEINEL HPD2 is the world's first sensor that is not only capable of identifying people in its detection zone but can count them too. Even if they are not moving. The basis for this is provided by a human-presence model generated from 150,000 stored positive and 7 million negative images. This is constantly compared with the images actually taken (3 per second) and analysed. As a result, the innovative camera sensor reports how many people are present in a room, and always in real time. Even in the dark, thanks to powerful IR LEDs. Needless to say, the image data is protected at all times from unauthorised access.

Application - Indoors

Possible uses in building automation.



Advantage no. 1: defining zone

The HPD2's detection zone can be confined to a precisely defined area. This makes it possible, for instance, to mask out interference from foot traffic passing through. A maximum of 5 different zones can be set via software when setting up the system.



Persons: 3

Advantage no. 2: detecting persons

For the first time it's now possible to detect a person without the involvement of any movement. Although not moving, persons are detected no matter whether they are sitting or standing. The integrated, highly advanced image recognition system compares 150,000 positive and 7 million negative images in real time. With detection as precise as this, inadvertent triggering is virtually ruled out. Lighting stay-ON times can also be kept to a minimum.



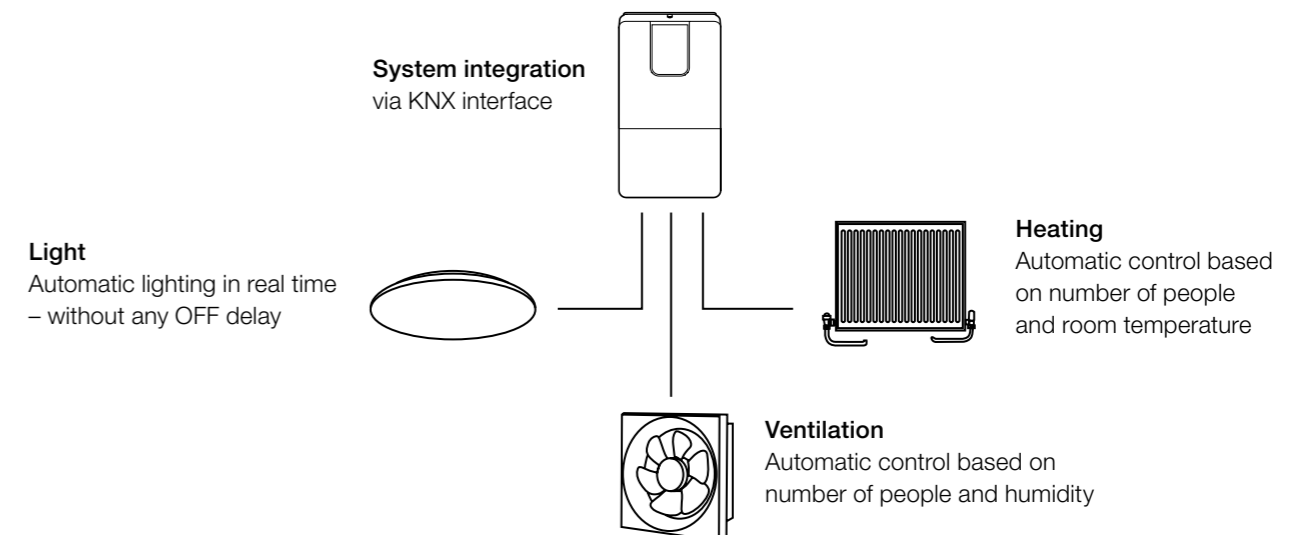
Persons: 2

Advantage no. 3: counting people

Not only can the HPD2 detect people but it can also see how many of them are present. Its reach of 15m makes it suitable for conference rooms as well as corridors. Powerful IR LEDs ensure this function even in the dark. Information is delivered via the built-in relays or KNX interface.

Advantage no. 4: measuring temperature and humidity

The HPD2 also has integrated temperature and air-humidity sensors, opening up completely new possibilities in building automation. Light, heating and air-conditioning can finally be controlled in line with demand for the number of people present in a room.



Difference between motion detector, presence detector, camera sensor

Detection zones with motion detectors



Multi-storey car park situation, detection by the IS 3360

Detection zones with presence detectors



Classroom situation, detection by the Presence Control Pro IR Quattro with square detection characteristic

Detection zones with camera sensor



Conference-room situation, detection by the HPD2. Number of persons is detected.



The chief difference between motion, presence and person detectors lies in their detection properties and areas of use. The particular situation determines which technology is used where.

Dynamic means effective: Motion detectors

Motion detectors respond to walking movements. They perceive these in the selected detection zone and respond to them: light is switched ON when movement is detected once ambient light levels fall below a preselected threshold. Light switches OFF after the pre-selected time has elapsed. Their use is recommended for detecting moving objects outdoors or in transit areas indoors.

High-resolution and sensitive: Presence detectors

Presence detectors respond to the tiniest movements using extremely high-resolution, precision sensor technology. This is important indoors, particularly in conjunction with sedentary activities (offices for desk work, classrooms etc.) as well as for specific lighting tasks, such as in sports halls, changing rooms, corridors and storage areas. The light sensors continuously measure ambient light and constantly compare it with the pre-selected level. Light is only switched ON if ambient light falls below a specific level while persons are present. If it is bright enough, lighting switches OFF automatically even if people are present in the room. The detection zones of our IR presence detectors are not round but square. This is not only far more precise and practical but also better to plan – there are no overlaps and no areas omitted. In addition to this, the square detection zones provided by STEINEL Professional presence detectors are precision-scalable.

Tomorrow's sensor technology: Human presence detectors

The Human Presence Detector HPD 2 is the next chapter in sensor technology. A sensor that accurately detects persons and their numbers. Persons sitting or standing, even if they aren't moving. With detection as precise as this, erroneous triggering is ruled out. Lighting stay-ON times can also be kept to a minimum. Detection by the HPD2 can be limited with precision to up to five defined zones. Making it possible, for instance, to mask out interference from foot traffic passing through. The Human Presence Detector is designed for close-up detection in rooms or can be used for long-range detection in corridors over distances of up to 15 m. Powerful IR LEDs even provide this function in the dark. They are not visible to the human eye. The HPD2 also has integrated temperature and air-humidity sensors, opening up completely new possibilities in building automation. This way, lighting, heating and air-conditioning can be controlled in line with demand for the number of people present in a room.

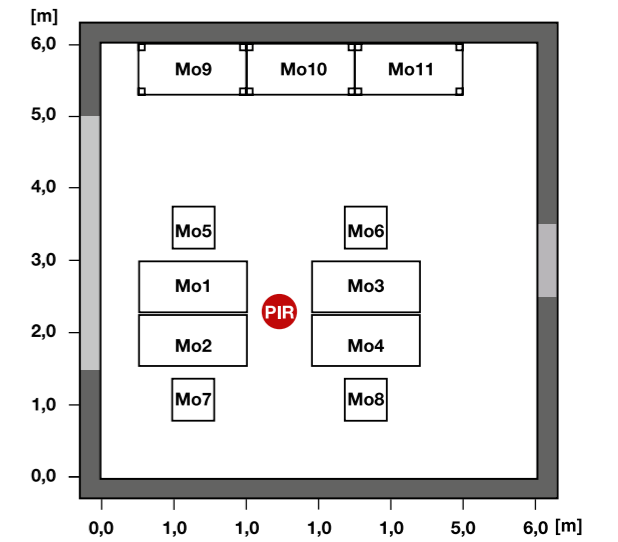
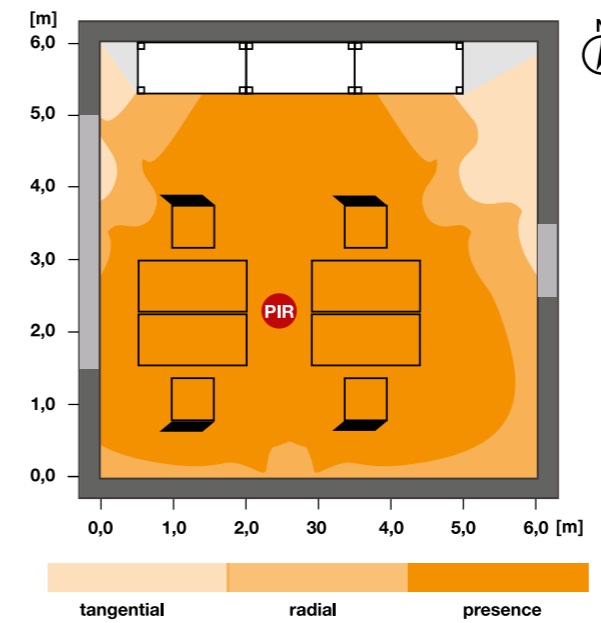
Motion detectors

Presence detectors

Camera sensor

	Motion detectors	Presence detectors	Camera sensor
Detection	Walking movements	Even the slightest movement, also seated activities	Persons sitting or standing
Application	Indoors and outdoors Indoors: garages, corridors, storage rooms, high-bay warehouses, stairwells, toilets Outdoors: driveways, entrances, car parks, carports, fronts of buildings Motion detectors provide convenience, safety and security	Indoors Offices, classrooms, conference rooms etc. High rooms: warehouses, sports halls etc. Additional control of heating, ventilation, air-conditioning or constant lighting control Presence detectors provide maximum energy efficiency and convenience	Indoors Offices, classrooms, conference rooms etc. Human presence detectors detect persons and their number
Facility for connecting	Light Relay switching output, floating contact Additional loads DALI, KNX, LiveLink	Light HVAC 1 – 10 V dimming interface DALI, KNX, LiveLink	KNX, IP building automation
Light ON criterion	Movement after ambient light has fallen below threshold	Lighting channel: movement/presence when ambient light is below a set threshold HVAC channel: movement/presence	Number of persons for use in building automation Light value Temperature and humidity
OFF criterion / light measurement	Light OFF if ambient light is sufficient despite detection of presence/movement Light measurement remains activated Stay-ON time starts on leaving the room. Once it has elapsed, the load / artificial lighting is switched OFF.	Light OFF if ambient light is sufficient despite detection of presence/movement Light measurement remains activated Stay-ON period starts after the last person leaves the room, load / artificial light then switches off. HVAC channel: is switched OFF once stay-ON time elapses after last detected movement	Load / artificial light remains ON as long as a person is being detected. Light measurement remains activated. Stay-ON period starts after the last person leaves the room, load / artificial light then switches off.
Other information		More setting capabilities for matching sensor to control task Significantly greater detection precision Different options for different room types	Connection to the building automation system via KNX or IP interface On-demand automatic control based on number of people

**Spot On Rather Than Rough Estimate.
STEINEL PROFESSIONAL Planning Tools.**



Actual energy savings calculated for your personal situation.

The PROLog planning tool answers your question: how much energy can intelligent sensor technology save in our particular project?

Easy to use, the PROLog planning tool tells you precisely the amount of energy you can save in a building. For you this means: spot on rather than rough estimate. Overwhelming example calculations and generalisations are often far off the mark, leaving you to think you can save far more than's actually possible. PROLog from STEINEL puts an end to guesswork and calculates exactly how much energy intelligent sensor technology can save for a particular building.

PROLog records user behaviour as well as the level of light in a room and takes this as the basis for calculating the energy / lighting that is being wasted. This way, user behaviour determines the potential saving. Our PROLog and PROLog software provides you with a comprehensive instrument to plan your lighting needs: it measures the exact amount of energy being wasted and calculates actual savings for a specific situation.

And the result? An objective basis that perfectly controls the lighting a building actually needs. Simply intelligent.



RELUX

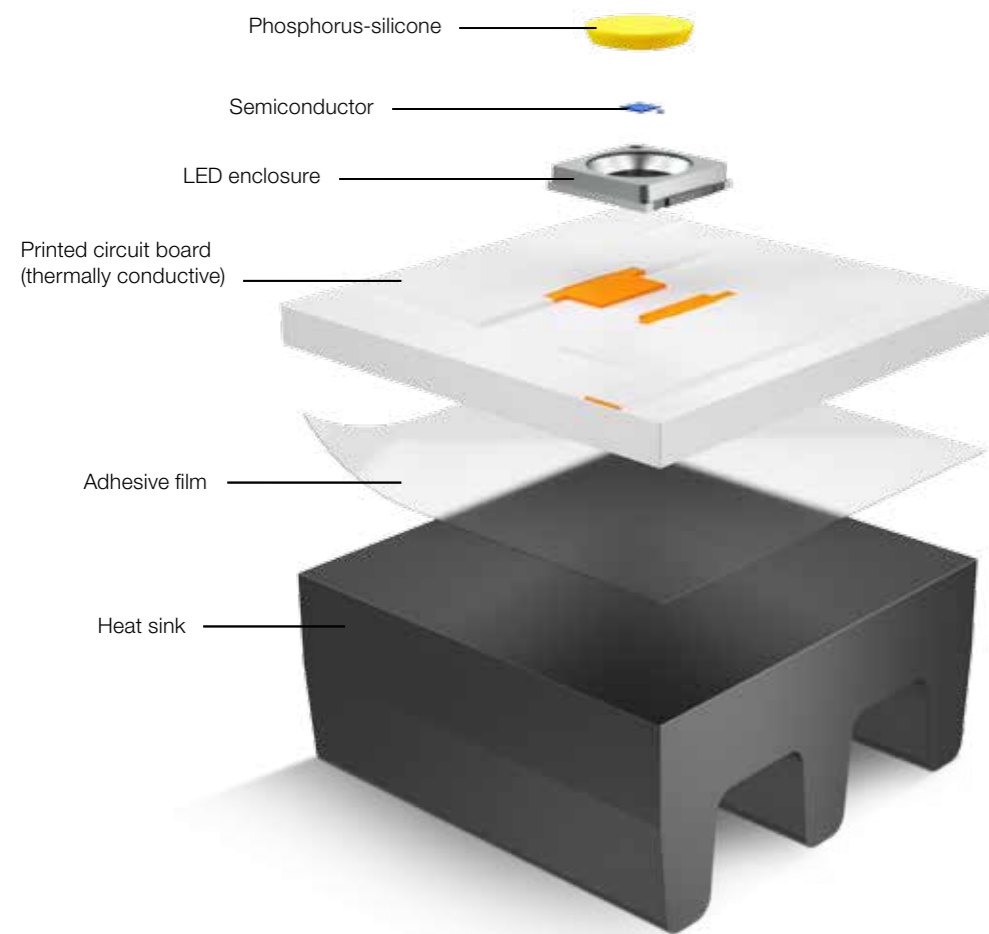
Do you want direct access to our comprehensive collection of lighting and sensor data for planning the perfect solution? The software not only provides you with all the data for planning lighting and lights from STEINEL, but also for accurately configuring the detection zone of our sensors - including visual displays. Download from

DIALux

With our vast experience in planning lighting, you can be sure of getting professional results every time. Our expertise combined with free, all-inclusive software gives you a level of efficiency that delivers results you can be proud of. DIALux constantly offers you support with all lighting data and in meeting national and international guidelines, calculates your particular energy requirement and displays your planning results in photo-realistic quality. Having been geared specifically to practical needs, the software has been used by hundreds of thousands of lighting planners across the world.

The light planning and visualisation data are exclusively available to STEINEL Professional clients for on-line plug-in use in DIALux. Light distribution curves, technical specifications and 3D volumetric data are available for downloading from

LED – The Light of The Future



Maximise savings. No need to change a bulb ever again.
This is economics and ecology go hand in hand.

Brighter

LEDs are far brighter than other lamps - and use less energy.

Cooler

To protect LEDs from overheating, STEINEL has developed a unique cooling system. This means they can reach a genuine life expectancy of 30 years and more.

Smarter

STEINEL's precision sensor technology makes sure that light is only switched ON when it's actually needed. Combined with cutting-edge LED lighting, this reduces energy consumption by as much as 90%.

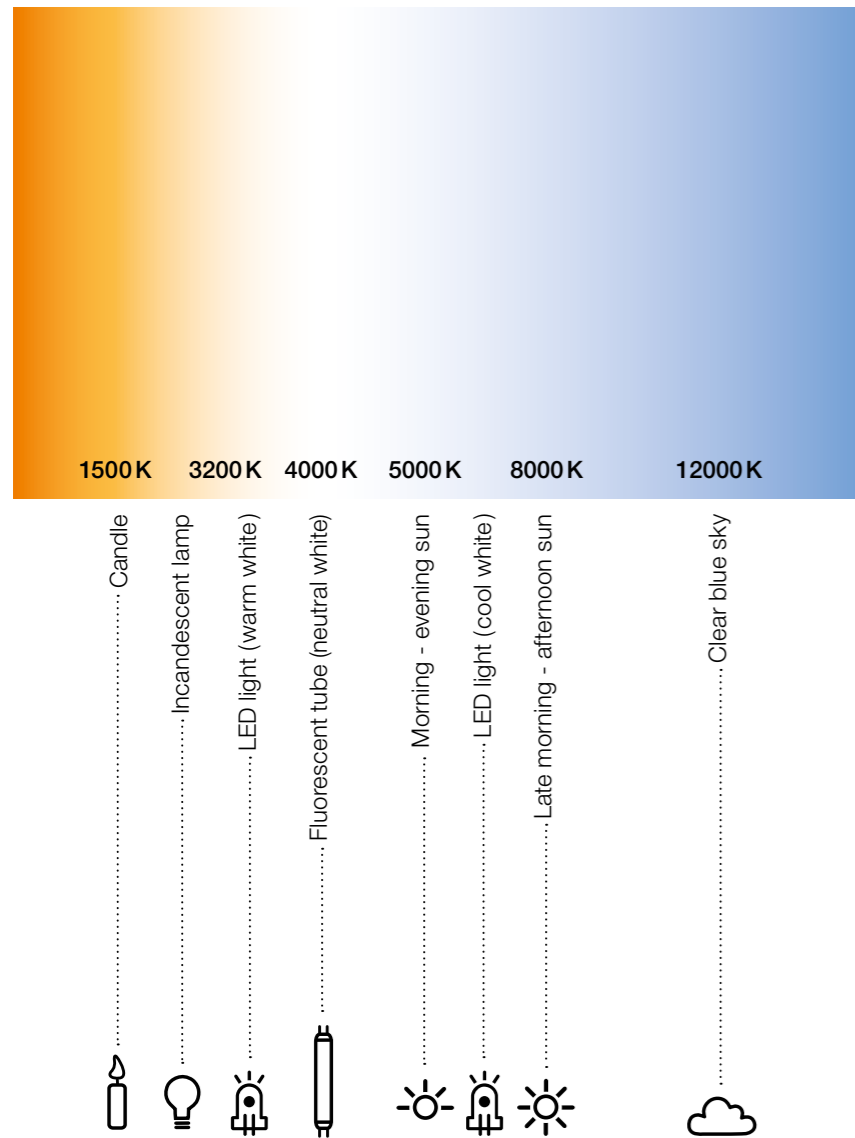


All about Lighting

Bright minds choose the right lamp once they are familiar with a few lighting terms.

Colour temperature: the colour temperature, also known as light colour, is expressed in kelvin (K) and denotes whether white light is warm and yellowy or cool and bluish. Warm-white light is like late daylight, it looks welcoming and relaxing. Neutral-white light has an activating effect, daylight white improves concentration. Colour temperatures up to 3500K are referred to as being warm white, from 3500K as being neutral white and from 5400K as being cool white.

Colour temperature in kelvin



Electrical output in watts (W) and lumens (lm)

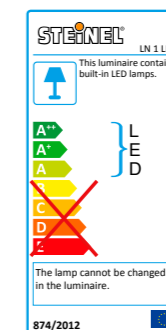
Lumen: (lm) is the unit of luminous flux, being the total amount of light given off by a lamp radiating in all directions. Lumens provide a far clearer indication of the luminous flux to be expected than power consumption in watts (W) does.

Comparison watts (W) with lumens (lm)

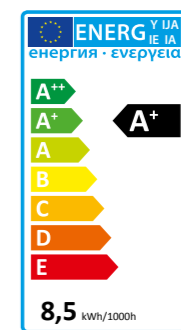
Incandescent lamp	24 W	40 W	60 W	75 W		
Halogen lamp	18 W	28 W	42 W	53 W		
Lumen (lm) = Luminous flux	150 lm 	300 lm 	450 lm 	600 lm 	750 lm 	900 lm
Low-energy Lamp	6-7 W	8-9 W	13-14 W	15-18 W		
LED	2 W	4 W	6 W	8 W		

Values without light shade or diffuser

Energy-efficiency class: Energy efficiency is calculated from light output (luminous flux, measured in lumens) for power consumed in watts. A++ denotes a very high, E a very low level of energy efficiency.



Example for lights



Example for lamps

Meaning of symbols.

The key features of our products are indicated in the form of symbols. These are shown on catalogue and web product pages as well as on packaging.

Sensor system



Detection zone
Indicates the angle at which the sensor detects movements.



Reach
Maximum distance at which it is possible to detect movements traversing the sensor.



Photo-cell controllers
Automatically switches light ON at night and OFF again in the morning.

Mounting



Installation height
Observing the ideal installation height guarantees optimum sensor operation.



Indoors / outdoors
Light / sensor suitable for use indoors or outdoors.

Operation



Floodlight swivels
Indicates the floodlight's swivelling range.



Sensor swivels
Indicates the sensor's swivelling range.



Twilight setting
The sensor is activated when ambient light falls below the selected light level threshold.



Time setting
Selectable time for which the light stays ON after detecting a movement.



Interconnectable
Optimum adjustment to situation by interconnecting several lights / sensors via hard wire.

Light / LED

100w

Output
For lights: the max. output of the lamp. For sensors: max. resistive switching load.

LED

LED lighting system
This light is equipped with a STEINEL LED lighting system.



Colour temperature
Unit: kelvin. Shows whether the light is warm white (yellowish) or cool white (bluish).



Manual override (permanent light)
Can be operated via a connected light switch. Maximum 4 hours.



Soft light start
The innovative soft light start elegantly and gently turns the lamp up to or down from 100% output.

Material

IP44

Weatherproof
Splashproof. Suitable for outdoor use.

IP44

Suitable for rooms exposed to moisture
For use in bathrooms and laundries.

IP54

Dust-proof and splash-proof
No harmful dust deposits. Splash-proof in all directions.

IP65

Dust-proof and impervious to water spray
Completely dust-proof. Protection against moderately powerful water jets.



Impact resistance
The European standard for enclosures states the IK protection rating for impact resistance. IK07 equates to 2 joules (500 g from 40 cm).

Quality promise

5 JAHRE GARANTIE

Functional warranty
Provided as from the date of purchase and covers material or manufacturing flaws.



In-house development
All STEINEL products are developed in Germany or Switzerland and made in Europe.



Energy-saving
Light only when it's really needed.

Simply user-friendly.
Our Packagings.



A powerful brand powerfully packaged.

The new STEINEL product boxes get straight to the point with all relevant information. The front of the packaging presents the product and purchase-clinching features in a modern, eye-catching look. Showing all of the basics at a glance. Images illustrating practical applications and detailed multilingual descriptions on the side panels and surface give the particular STEINEL product an authentic feel of what it's like to own and use it. The rear panel shows the main technical attributes in the form of self-explanatory pictograms and 3D illustrations. In short: In their new packagings, STEINEL products speak for themselves. Doing so in 26 languages.

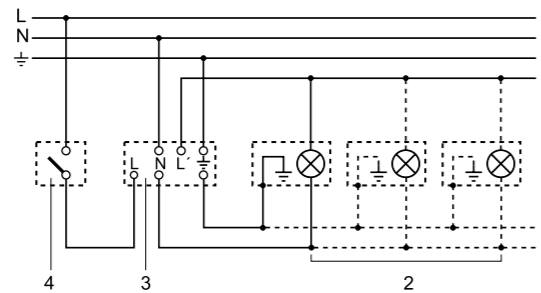


From Germany right across the globe –
STEINEL is at home in the world. We speak to our mutual customers in 26 languages.

Wiring Diagrams for Motion Detectors



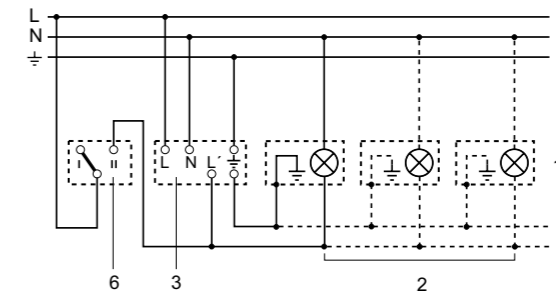
Light without existing neutral conductor



- ❶ e.g. 1 - 4 x 100 W incandescent lamps
- ❷ Load, lighting
- ❸ Sensor connection terminals
- ❹ Indoor switch

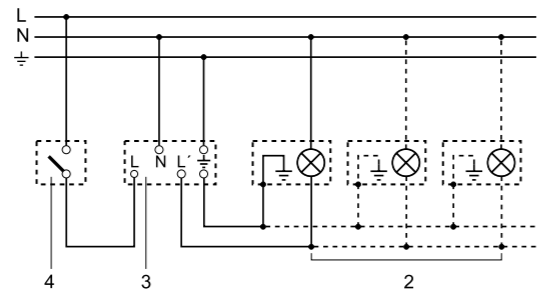
Connection by a double-throw switch for permanent light and automatic mode

Setting I:
Automatic mode
Setting II:
Manual mode, light ON permanently



- ❶ e.g. 1 - 4 x 100 W incandescent lamps
- ❷ Load, lighting
- ❸ Sensor connection terminals
- ❹ Indoor double-throw switch, automatic, permanent light

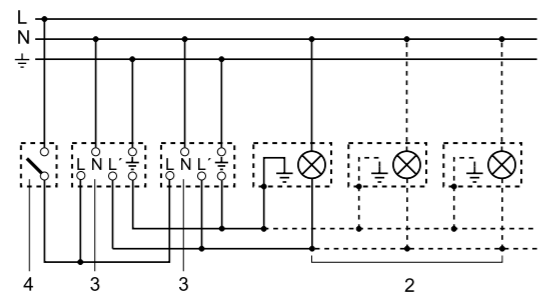
Light with existing neutral conductor



- ❶ e.g. 1 - 4 x 100 W incandescent lamps
- ❷ Load, lighting
- ❸ Sensor connection terminals
- ❹ Indoor switch

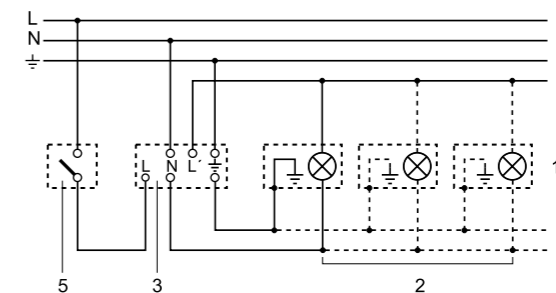
Note: The system cannot be switched OFF, it is only possible to select operation at setting I or II.

Several sensors connected in parallel



- ❶ e.g. 1 - 4 x 100 W incandescent lamps
- ❷ Load, lighting
- ❸ Sensor connection terminals
- ❹ Indoor switch

Connection using two-circuit single-interruption switches for manual and automatic operation



- ❶ e.g. 1 - 4 x 100 W incandescent lamps
- ❷ Load, lighting
- ❸ Sensor connection terminals
- ❹ Indoor two-circuit single interruption switch, manual, automatic



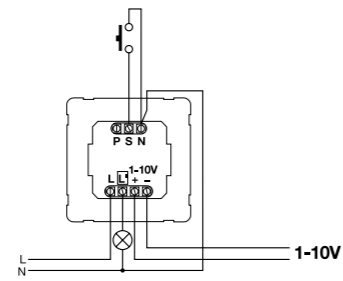
Interconnected master/master – master/slave system

The presence detector also provide the option of an interconnected master/master and master/slave system.

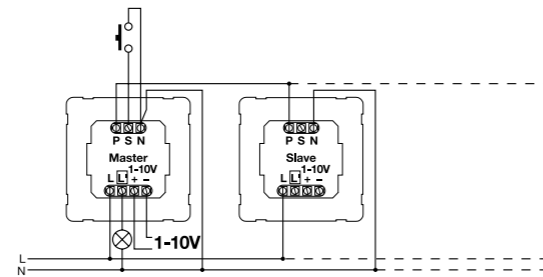
In an interconnected master/master configuration, the detection zone is extended by interconnected detectors with each switching its own load in line with the specific settings of each and every master.

The slaves in an interconnected master/slave system merely extend the detection zone and report presence to the master. Only the master switches the connected load in line with its settings.

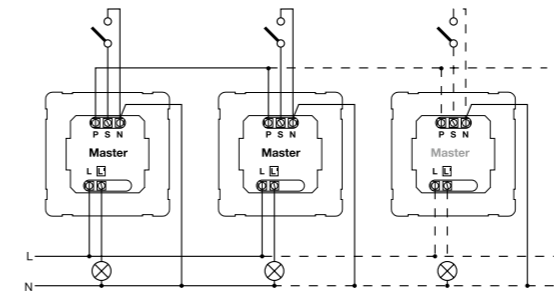
DIM detector



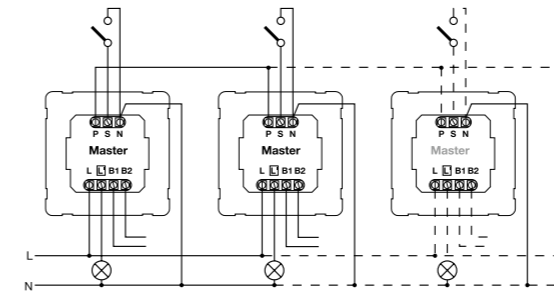
DIM detector with slave



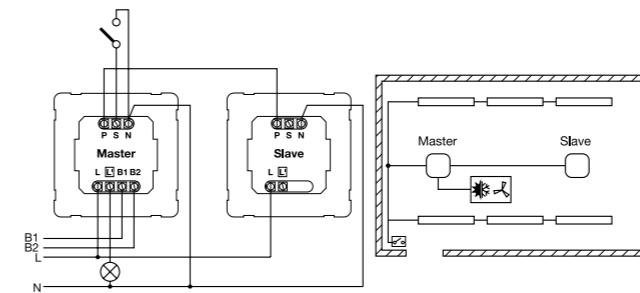
Master/master COM1



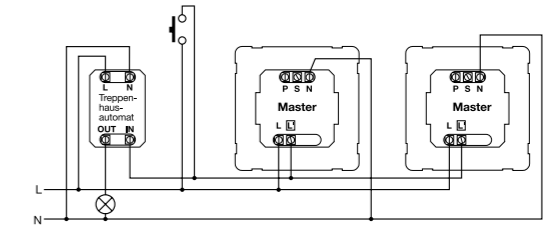
Master/master COM1/COM2



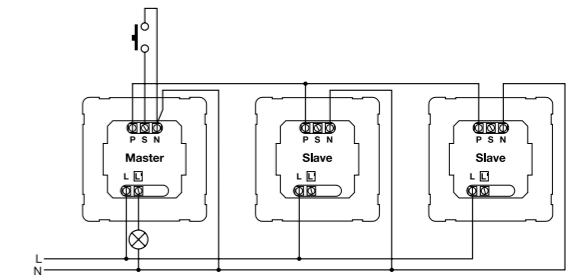
Master-slave



2 detectors linked with an external stairwell lighting timer
Old building / building modernisation



Detector connected to stairwell lighting timer



IP Ratings

IP protection rating

The IP code classifies the level of protection provided by enclosures and covers used for protecting electrical equipment.

The IP code is defined under IEC 529, EN 60529, DIN VDE 0470-1 and NF C 20-010.

The protection ratings are defined by the letters IP (International Protection) followed by two digits indicating the degree of protection. This means that the full protection rating consists of the two letters and the digits indicating the level of protection.

1st digit




Protection of equipment against the ingress of solid, foreign objects and also protection of persons against contact with hazardous parts.

2nd digit

Protection of equipment against the harmful ingress of water.

Where there is no protection rating - with regard to one of the criteria - the digit is replaced with the letter X, e.g. IP X4 or IP 6X.

1st digit	Protection against ingress of foreign objects	Protection against contact/application
0	Equipment provides no protection against ingress of solid, foreign objects.	No particular personal protection against accidental contact with live and/or moving parts. In enclosures with no access.
1	Protection against ingress of solid, foreign objects in a diameter > 50 mm.	Protection against accidental contact by large surfaces of the body (back of the hand) with live and/or moving parts. Closed areas only accessible to authorised and trained personnel.
2	Protection against ingress of solid, foreign objects in a diameter > 12.5 mm.	Protection against finger contact with live and/or internal moving parts. Specific accessible areas.
3	Protection against ingress of solid, foreign objects in a diameter > 2.5 mm.	Protection against contact between live and/or internal moving parts and tools, wires or similar objects in a thickness of > 2.5 mm. Generally accessible parts.
4	Protection against ingress of solid, foreign objects in a diameter > 1 mm.	Protection against contact between live and/or internal moving parts and tools, wires or similar objects in a thickness of > 1 mm. Generally accessible parts.
5 	Protection against harmful, internal dust deposits. Ingress of dust is not entirely prevented. The quantity of dust entering must not interfere with operation (dust-protected).	Complete protection against contact with live and/or internal moving parts. Areas exposed to short-term high dust deposits.
6 	Protection against ingress of dust (dust-tight).	Complete protection against contact with live and/or internal moving parts. Generally accessible areas.

2nd digit	Protection against ingress of water	Application
0	No particular protection.	In dry areas.
1	Protection against vertically falling drops of water (protection against dripping water). Shall have no harmful effect.	In areas exposed to moisture with component in predefined vertical position (e.g. condensation water).
2	Protection against vertically falling drops of water (protection against dripping water). Dripping water falling at an angle shall have no harmful effect on equipment (enclosure) tilted at an angle of up to 15° from its normal position.	In areas exposed to moisture with component not positioned exactly vertically (e.g. condensation water).
3 	Protection against water falling at any angle up to 60° from the vertical. Shall have no harmful effect (protection against spraying water).	Areas exposed to rain and not splashing water.
4 	Protection against water splashing against equipment (enclosure) from any direction. Shall have no harmful effect (protection against spraying water).	Areas exposed to rain and splashing water (e.g. areas exposed to passing vehicles).
5 	Protection against water projected by a nozzle against equipment (enclosure) from any direction. Shall have no harmful effect (protection against water jets).	Areas exposed to moderately powerful water jets.
6	Protection against heavy sea or powerful jets of water. Water in harmful quantities must not enter the equipment (enclosure) (protection against floodwater)	Areas exposed to heavy wash and floodwater (e.g. jetties).
7	Protection against water when equipment (housing) is immersed in water under defined conditions of pressure and time. Water must not enter in harmful quantities (immersion).	Areas washed over temporarily or covered with snow for a prolonged period.
8	Equipment (housing) is suitable for continuous immersion in water under conditions which shall be specified by the manufacturer (submersion). However, the conditions must not be any more severe than those for digit 7.	In submerged function.

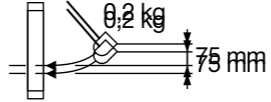
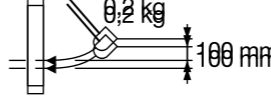
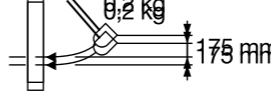
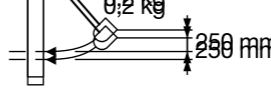

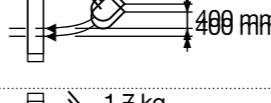



IK protection code as defined in EN 501 02

The degree of protection provided by enclosures for electrical equipment against external mechanical impacts is defined by the IK code under standard EN 50102 - VDE 0470 Part 100 and EN 62262.

IK 0X





IK = Code letters (international mechanical protection)

0X = IK class of impact protection (from 00 to 10)








IK	Test	Energy in Joules
IK 00		0
IK 01		0.15
IK 02		0.2
IK 03		0.35
IK 04		0.5
IK 05		0.7
IK 06		1
IK 07		2
IK 08		5
IK 09		10
IK 10		20

Protection Classes and Marks of Conformity

Protection classes

-  **Protection class I**
In the case of lights provided with class I protection, the protection aim is achieved by insulating live parts and connecting contactable metal parts to the protective-earth conductor. The protective-earth conductor connection terminal is marked .
-  **Protection class II**
In the case of lights provided with class II protection, electrical safety is ensured by means of double insulation.
-  **Safety class III**
In the case of light provided with class III protection, protection is based on safety extra-low voltage (SELV).

Marks of conformity

-  **VDE label**
For electrotechnical products, including products within the meaning of the German Act on Equipment and Product Safety (GPSG) and medical products within the meaning of the German Medical Products Act (MPG). The VDE label indicates conformity to VDE provisions or European or internationally harmonised standards and provides confirmation that the protection requirements of the pertinent guidelines are met. The VDE label shows that the product is safe in terms of electrical, mechanical, thermal, toxic, radiological and other risk.
-  **VDE-GS label**
For technical work equipment and ready-to-use items of daily use within the meaning of the GPSG (optionally instead of VDE label for these products).
If products are technical work equipment or ready-to-use items of daily use within the meaning of the German Act on Equipment and Product Safety, you can also use the VDE-GS label.
-  **EMC label from VDE / KEMA**
For equipment conforming to the standards on electromagnetic compatibility.
The VDE-EMC label expresses a product's conformity with the applicable standards on the electromagnetic compatibility of products. However, this mark also signals the reliable operation of your product in an electromagnetic environment, as the requirements on issuing the label automatically and unreservedly cover compliance with the relevant standards.
-  **ENEC label from VDE / KEMA**
For products meeting harmonised certification procedures.
The European standards specified in the ENEC Agreement provide the basis for testing. Products (these currently being lights, light components, low-energy lamps, IT equipment, transformers, appliance switches, electrical regulators and control devices, terminals, appliance couplers, some types of capacitor and radio interference suppression components) tested on this basis are allowed to carry VDE's ENEC label. Approval from another body involved in the European certification procedure is not necessary.
-  **Glow-wire test**
Lights carrying this mark have had their external parts tested for resistance to fire and combustion with a 850° C wire to European standard.
-  **VDE cable marking**
VDE cable marking applies to cables, leads and wiring conduits and trunkings.
-  **CE label**
The manufacturer documents and declares in its sole responsibility that the product marked satisfies the basic requirements of EU directives. This label is not a mark of tested safety and quality but is directed towards the authority supervising the market.

From the EAN to the Product



IR Quattro HD



XLED PRO Square



RS PRO LED R1

From the EAN to the Product

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