



Intelligent lighting and
sensor technology for professionals.

General Catalogue 2019/20




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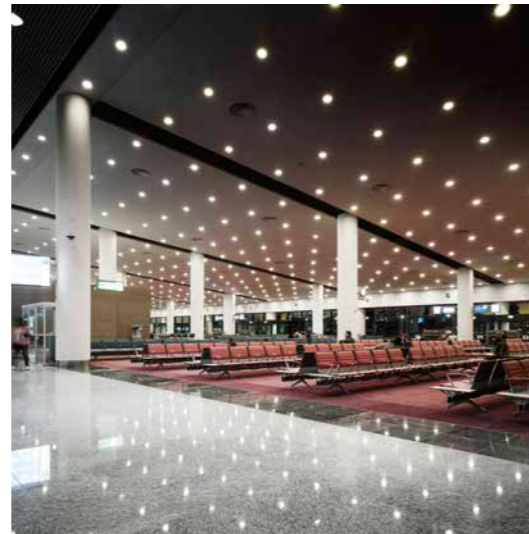
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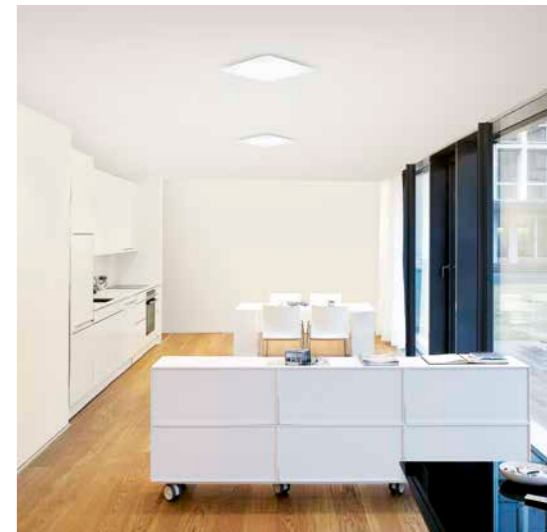
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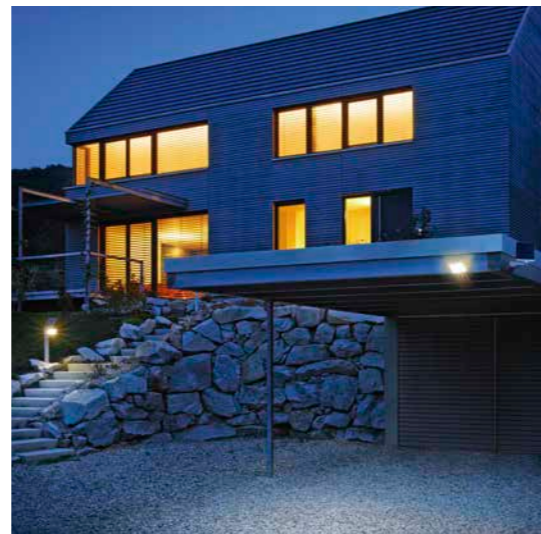
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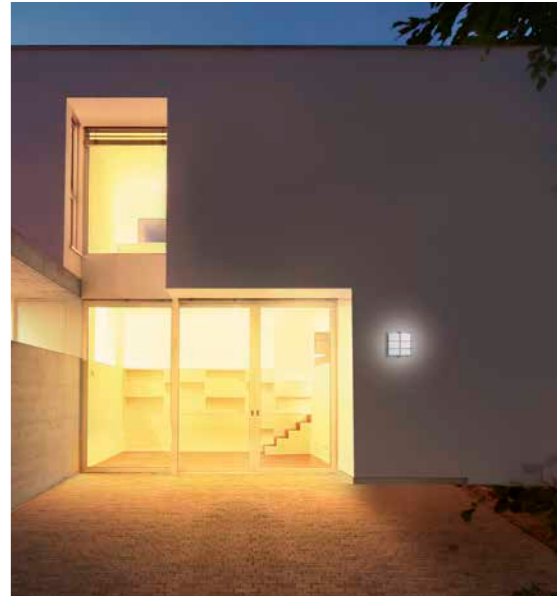
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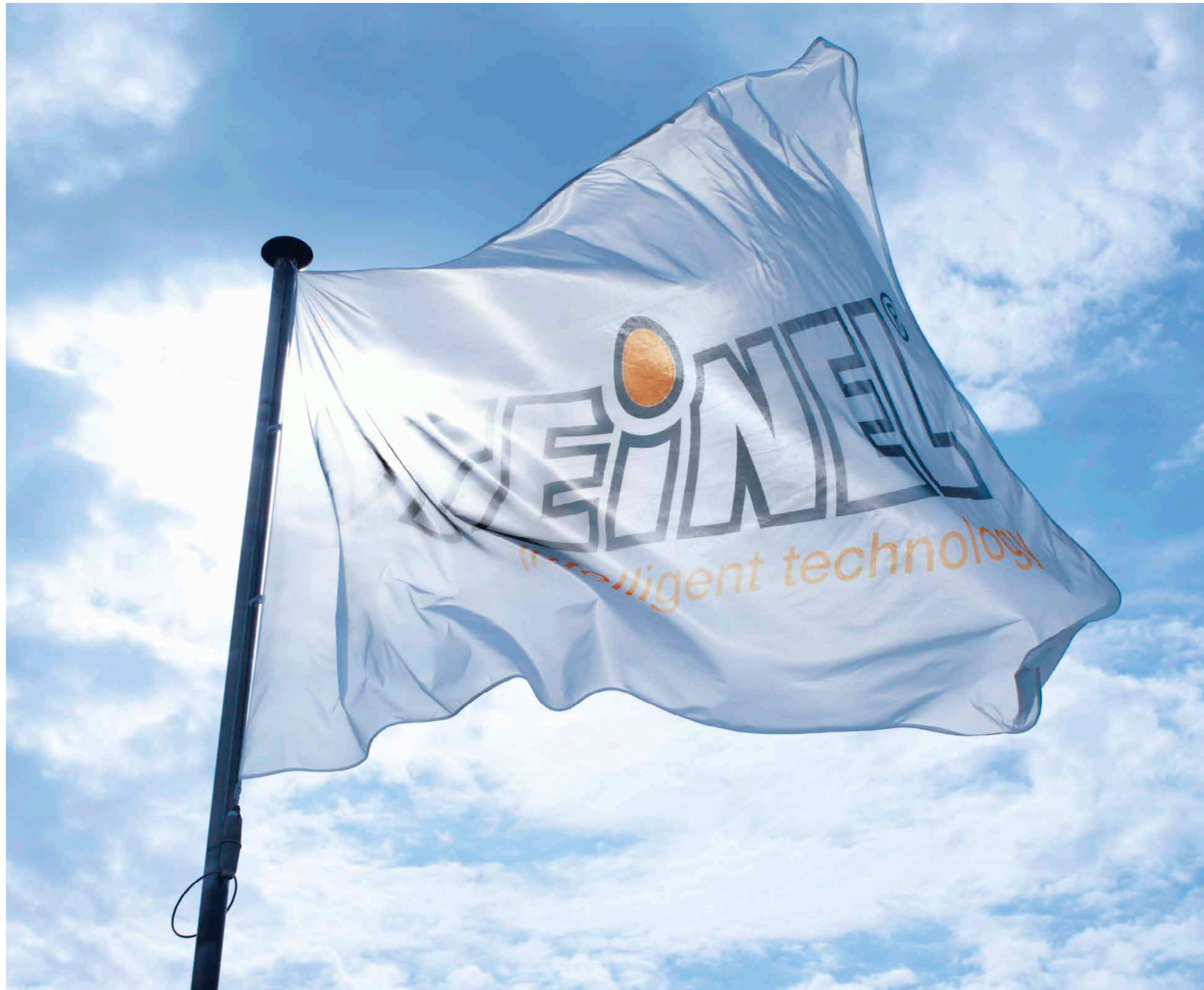
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STEINEL. Pioneer and partner to professionals.

STEINEL is the inventor of the SensorLight and pioneer of high-frequency technology for use in professional lighting automation. As such, STEINEL was the first manufacturer to use HF-technology for detecting movements in spaces and buildings and invisibly integrate it in lights. Today, STEINEL leads the world in this segment. STEINEL is also the world's first address when it comes to combining cutting-edge LED lighting with sensor technology.

The intelligent products and cleverly designed system solutions from the STEINEL Professional brand are the no. 1 choice for architects, lighting planners, electrical fitters and consultants the world over. In all room situations they impress with excellent functionality, long life and outstanding value for money. And also with particularly intuitive operating concepts and straightforward installation. This way, STEINEL Professional products make life easier and safer for users and tradespeople alike. Welcome to STEINEL Professional.



Technology for Life

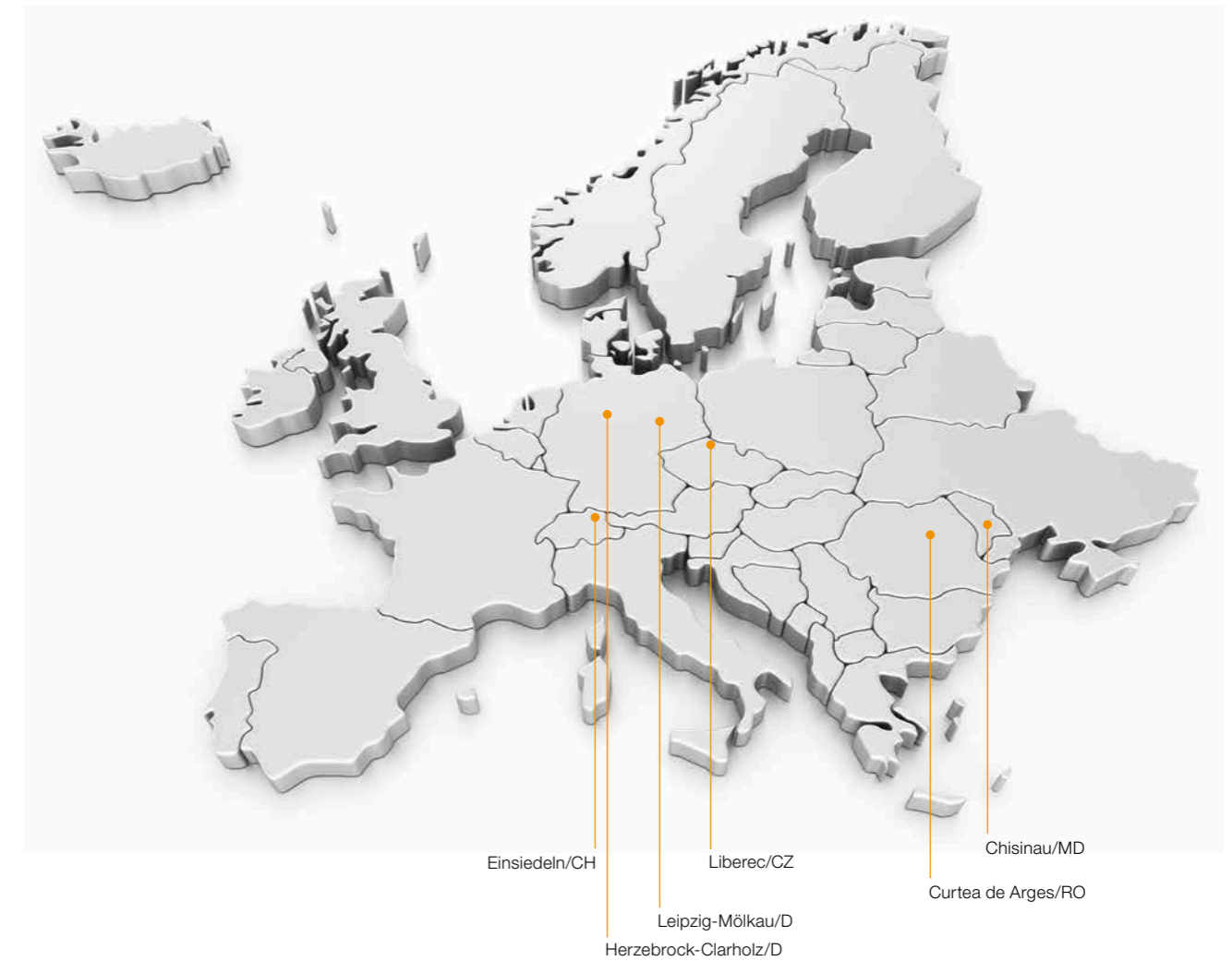
It was back in 1959 that Heinrich Wolfgang Steinel founded the STEINEL company in Herzebrock-Clarholz. Since then, STEINEL has consistently evolved from pioneer to technology and innovation leader in sensor-controlled lighting.

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!

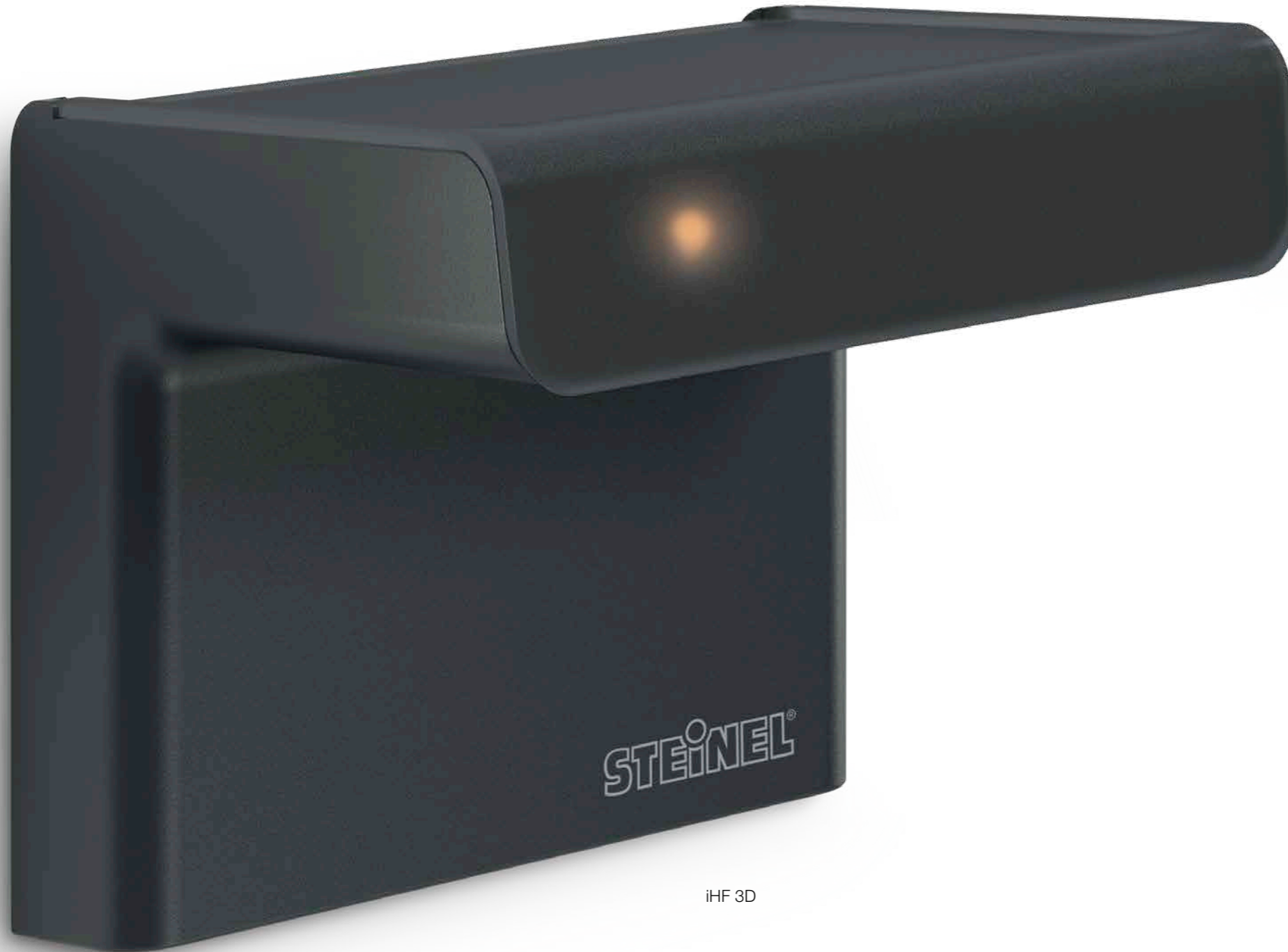
Sensor technology from STEINEL Professional switches light ON when someone approaches or enters and spends time in a room fitted with motion or presence detectors. And it makes sure that light is switched OFF automatically when it's no longer needed. Using innovative LED lighting in conjunction with 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, class rooms 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.



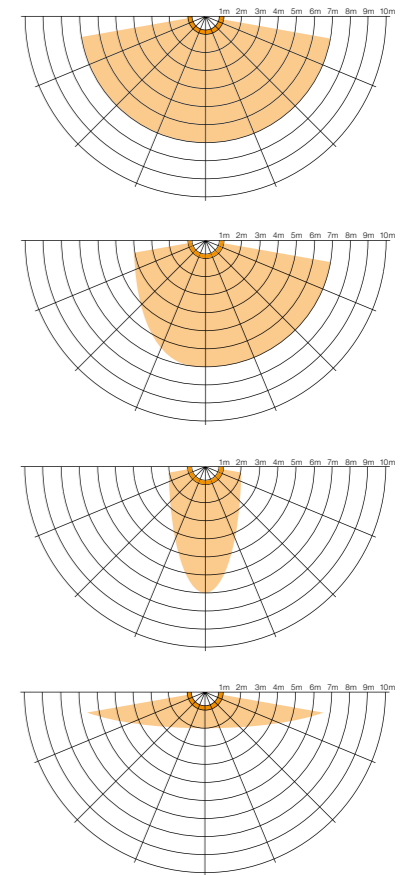
The iHF 3D is the ideal detector for outdoors. Detection can be precision-adjusted to human walking movements on three axes up to a reach of 1-7 m.

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.

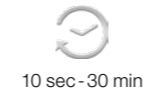
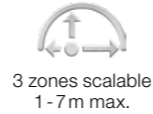
The iHF 3D, the first high-frequency motion detector for outdoors, is a technological quantum leap. The use of intelligent high-frequency technology puts an end to inadvertent triggering once and for all. And the neighbour's cat or other stray animals leave the iHF 3D cold too. Because the high-frequency 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.



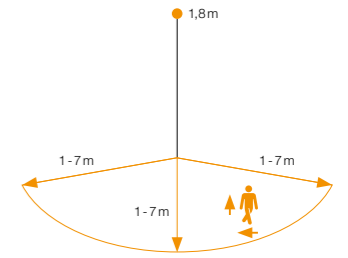
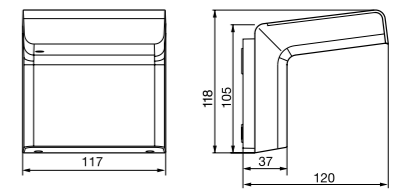
iHF 3D

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

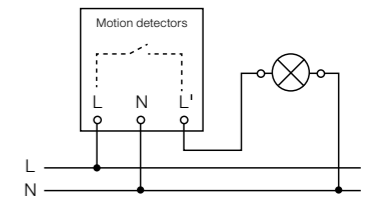
No omissions, no compromises, no errors. The iHF 3D is the perfect motion detector for outdoors. Whether on facades, carports, patios or car parks – the intelligent high-frequency sensor only switches light on when it's really needed. Firstly, because it can distinguish human movements from the movements 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.



EAN iHF 3D, white	4007841 007577
EAN iHF 3D, anthracite	4007841 007591
EAN iHF 3D, black	4007841 007584
EAN iHF 3D, KNX, white	4007841 059644
EAN iHF 3D, KNX, anthracite	4007841 059620
EAN iHF 3D, KNX, black	4007841 059637
Type	Motion detector
Dimensions (H x W x D)	118 x 117 x 120 mm
Power supply	120-250V, 50/60Hz
KNX power supply	KNX bus voltage
Sensor technology	iHF (intelligent high-frequency technology)
Transmitter power	approx. 1 mW
HF system	5.8 GHz
Where to use	Outdoors
Mounting height	1.8-2m
Recommended mounting height	1.8m
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 (1x18W), 25x (2x18W),
	25x (1x36W), 15x (2x36W),
	20x (1x58W), 10x (2x58W)
KNX functions	Light output 1x, presence output, light level,
	basic light level function, photo-cell controller,
	Direction of movement, distance
Angle of coverage	160°
Reach	max. 1-7 m
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	2-2000lx
Time setting	10 sec-30 min, pulse mode (approx. 2 sec)
IP rating	IP54
Enclosure	UV-resistant plastic
Temperature range	-20 to +50°C
Accessory included	IR remote control RC9



iHF 3D detection zone
Possible mounting height 1.8-2 m
Orange: radial and tangential



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

Optional accessories

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



Control unit for adjusting the detection zone along 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 see page 294



High end – in perfect shape.
sensIQ.



sensIQ



sensIQ S

Indoors	•	•
Outdoors	•	•
For the wall	•	•
For the ceiling	•	
For corners	•	•
Mounting height	2 - 5 m	2 - 5 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
Remote control	included	included
Page	26	28



sensIQ

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.

sensIQ

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!



infrared sensor
3 x 100°



3 zones scalable
2-20m

2500w
max.



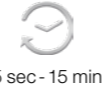
IP54



2-5m



2-2000 lux



5 sec - 15 min



energy saving



5 JAHRE
GARANTIE
manufacturer's
warranty

EAN sensIQ, white	4007841 029562
EAN sensIQ, stainless steel	4007841 029586
EAN sensIQ, black	4007841 029579
EAN sensIQ, anthracite	4007841 056636
EAN sensIQ KNX, white	4007841 059576
EAN sensIQ KNX, stainless steel	4007841 059545
EAN sensIQ KNX, black	4007841 059552
EAN sensIQ KNX anthracite	4007841 059538
EAN sensIQ eNet, white	4007841 020439
EAN sensIQ eNet, stainless steel	4007841 020415
EAN sensIQ, eNet, black	4007841 020422



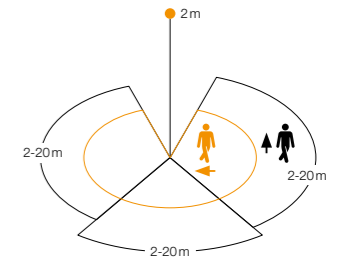
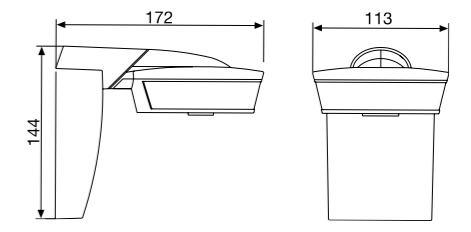
You will find the eNet version on page 290.

Type	Motion detector
Dimensions (H x W x D)	144 x 113 x 172 mm
Power supply	220-240V, 50 / 60Hz (max. 2.5mm ²)
KNX power supply	KNX bus voltage
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall, ceiling, corner
Mounting height	2-5m
Recommended mounting height	2m
Output	max. 2500 W (resistive load), max. 8 fluorescent lamps / LED lamps, C ≤ 176 µF max. 500 VA (cos φ = 0.5)
KNX functions	Light output 2x, presence output, light level, constant-lighting control, basic light level function, photo-cell controller, close range, individual pyro evaluation
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	2-2000lx
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

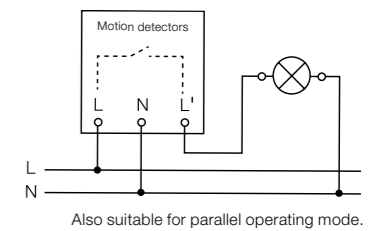
Optional accessories

EAN floating module MPF 1	4007841 609115
EAN Remote control Smart Remote	4007841 009151

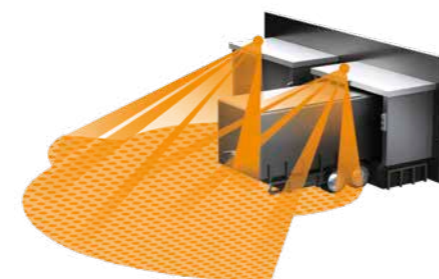
Refer to the 'Accessories' section for further information.



Detection zone for sensIQ
Possible mounting height: 2-5 m
Orange: radial
Black: tangential
3 scalable zones



Also suitable for parallel operating mode.



4x pyro system



Ceiling mounting possible



UV-resistant plastic



Includes Corner wall mount



Includes remote control RC9



Optional Smart Remote see page 294














sensIQ S

The evolution of perfection.

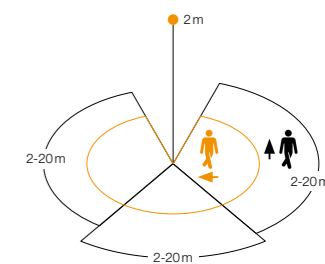
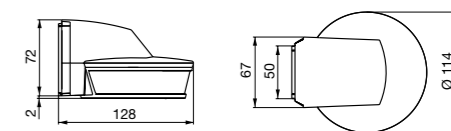
The reference in compact design.

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.

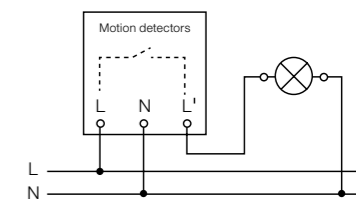


-  infrared sensor
3 x 100°
-  3 zones scalable
2 - 20m
-  2000w
max.
-  KNX
-  IP54
-  2-5m
-  2 - 2000 lux
+daylight operation
-  5 sec - 15 min
-  TEACH
mode
-  energy
saving
-  5 JAHRE
GARANTIE
manufacturer's
warranty

EAN sensIQ S, white	4007841 034955
EAN sensIQ S, stainless steel	4007841 034962
EAN sensIQ S, black	4007841 034979
EAN sensIQ S, anthracite	4007841 056650
EAN sensIQ S, KNX, white	4007841 059613
EAN sensIQ S, KNX, stainless steel	4007841 059590
EAN sensIQ S, KNX, black	4007841 059606
EAN sensIQ S KNX, anthracite	4007841 059583
Type	Motion detector
Dimensions (H x W x D)	114x74x128mm
Power supply	100 - 240V, 50/60Hz (max. 2.5mm ²)
KNX power supply	KNX bus voltage
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall, corner
Mounting height	2 - 5 m
Recommended mounting height	2 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)
KNX functions	Light output 2x, presence output, light level, basic light level function, photo-cell controller, close range
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	2-2000lx
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
Possible mounting height: 2 - 5 m
Orange: radial
Black: tangential
3 scalable zones



Also suitable for parallel operating mode.

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	1.8 - 2.5 m	2.5 - 4 m	4 - 14 m	2 - 4 m	2.5 - 5 m	4 - 14 m	–	max. 4 m
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. 20 m	max. 18 m	max. 8 m	max. 23 x 6 m	max. 30 x 4 m		
Corner wall mount	optional			optional			optional	
Special features	Swivelling multi-lens			Detection regardless of temperature				
Page	34	36	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, DALI-2, 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

The right sensor for any application.

- 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
- Automatically switches OFF when there is sufficient daylight (presence detector logic)
- Intuitive setting via Smart Remote



Smart Remote



IS 3180



IS 3360



IS 3360 MX Highbay



HF 3360



IS 345



IS 345 MX Highbay



NM 5000-3



Light Sensor Dual

Surface-mounted, square									
COM1	•	•	•		•	•	•	•	
PF	•	•	•		•	•	•		
KNX	•	•	•		•	•	•		•
DALI	•	•	•		•	•	•	•	
DALI-2	•	•	•		•	•	•		•
LiveLink	•	•	•		•	•	•		•
Surface-mounted, round									
COM1		•			•	•			
PF		•			•	•			
KNX		•			•	•			•
DALI		•			•	•			
DALI-2		•			•	•			•
LiveLink		•			•	•			
Concealed, square									
COM1	•	•	•		•	•	•		
PF	•	•	•		•	•	•		
KNX	•	•	•		•	•	•		•
DALI	•	•	•		•	•	•		
DALI-2	•	•	•		•	•	•		•
LiveLink	•	•			•	•			
Concealed, round									
COM1		•			•	•			
PF		•			•	•			
KNX		•			•	•			•
DALI		•			•	•			
DALI-2		•			•	•			•
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.



infrared sensor 180°



4-8 m or 8-20m

2000w
max.



IP54/IP20



1,8-2,5m



2-1000 lux



5 sec - 15 min

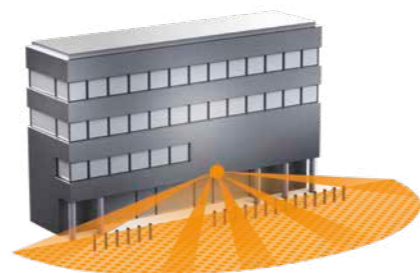
TEACH
mode



energy saving

5 JAHRE GARANTIE

manufacturer's warranty



IS 3180

Surface-mounted square (65x95x95 mm)

EAN COM1	4007841 009113
EAN PF	4007841 010508
EAN KNX	4007841 058135
EAN DALI	4007841 010553
EAN DALI-2	4007841 057350
EAN LiveLink	4007841 049409

Concealed square (78x94x94 mm)

EAN COM1	4007841 055721
EAN PF	4007841 055769
EAN KNX	4007841 058142
EAN DALI	4007841 055738
EAN DALI-2	4007841 057367
EAN LiveLink	4007841 055752

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

Type	Motion detector
Dimensions (H x W x D)	95 x 95 x 65 mm
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall, corner
Mounting height	1.8-2.5 m
Recommended mounting height	2 m
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. 4-8 m, temperature-stabilised
	+ precision adjustment by re-positioning the lens and using shrouds
Sensor system	7 detection levels, 448 switching zones
Twilight setting	2-1000lx
Teach function for twilight setting	Yes
Manual override	Selectable, 4 h
IP rating	Concealed: IP20 / surface-mounted: IP54
Temperature range	-20 to +50°C

Optional accessories

EAN corner wall mount, white	4007841 035174
EAN corner wall mount, black	4007841 648015
EAN black trim, surface-mounted, square.	4007841 056711
EAN black trim, concealed, square	4007841 056728
EAN User remote control RC5	4007841 592806
EAN Service remote control RC8	4007841 559410
EAN Remote control Smart Remote	4007841 009151

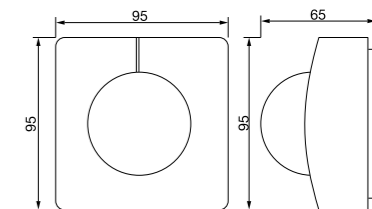
Refer to the 'Accessories' section for further information.



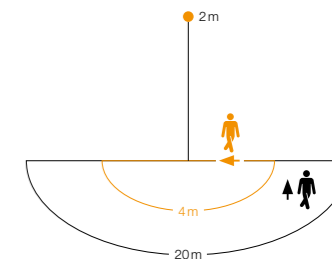
Surface-mounted, square



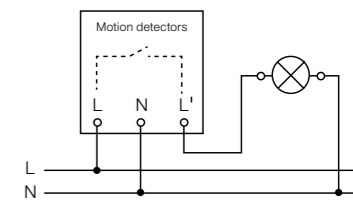
Concealed, square



Surface-mounted, square
For further designs, see page 56



IS 3180 detection zone (20 m lens)
Possible mounting height: 1.8 - 2.5 m
Orange: radial
Black: tangential



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

Further circuit diagrams starting on page 52

UV-resistant plastic



Large terminal compartment



Optional corner wall mount available



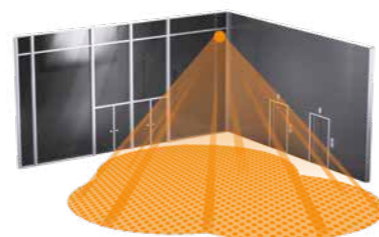
Optional remote controls refer to page 298



IS 3360

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

Surface-mountedsquare (65x95x95 mm) round (65xØ126 mm)

EAN COM1	4007841 010478	4007841 033446
EAN PF	4007841 010515	4007841 033477
EAN KNX	4007841 058166	4007841 058180
EAN DALI	4007841 010560	4007841 033507
EAN DALI-2	4007841 057237	4007841 057251
EAN LiveLink	4007841 049362	4007841 049386

Concealedsquare (78x94x94 mm) round (78xØ124 mm)

EAN COM1	4007841 033460	4007841 033453
EAN PF	4007841 033491	4007841 033484
EAN KNX	4007841 058173	4007841 058197
EAN DALI	4007841 033514	4007841 033521
EAN DALI-2	4007841 057244	4007841 057268
EAN LiveLink	4007841 049379	4007841 049393

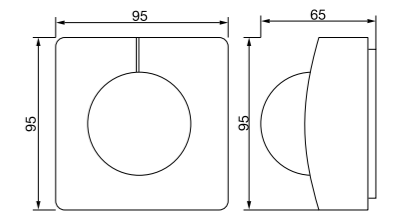
You will find information on the interfaces from page 52 onwards.

Type	Motion detector
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Ceiling
Mounting height	2.5-4 m
Recommended mounting height	2.8 m
Angle of coverage	360° with 180° angle of aperture
Capability of masking out individual segments	Yes
Reach	max. Ø 40 m tangential (1257 m ²), 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
Manual override	Selectable, 4 h
IP rating	Concealed: IP20 / surface-mounted: IP54
Temperature range	-20 to +50°C

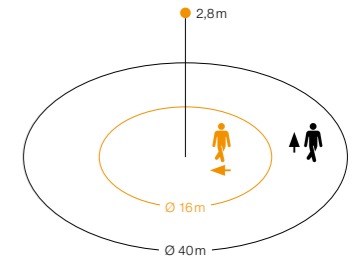
Optional accessories

EAN black trim, surface-mounted, square	4007841 056711
EAN black trim, concealed, square	4007841 056728
EAN black trim, surface-mounted, round	4007841 056735
EAN black trim, concealed, round	4007841 056742
EAN User remote control RC5	4007841 592806
EAN Service remote control RC8	4007841 559410
EAN Remote control Smart Remote	4007841 009151
EAN Ceiling box Ø68 mm	4007841 052812

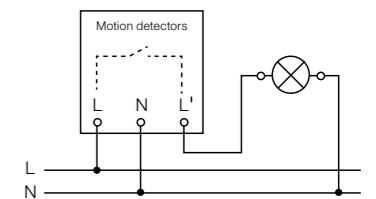
Refer to the 'Accessories' section for further information.



Surface-mounted, square
For further designs, see page 56



IS 3360 detection zone
Possible mounting height: 2.5-4 m
Orange: radial
Black: tangential



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

Further circuit diagrams starting on page 52

UV-resistant plastic

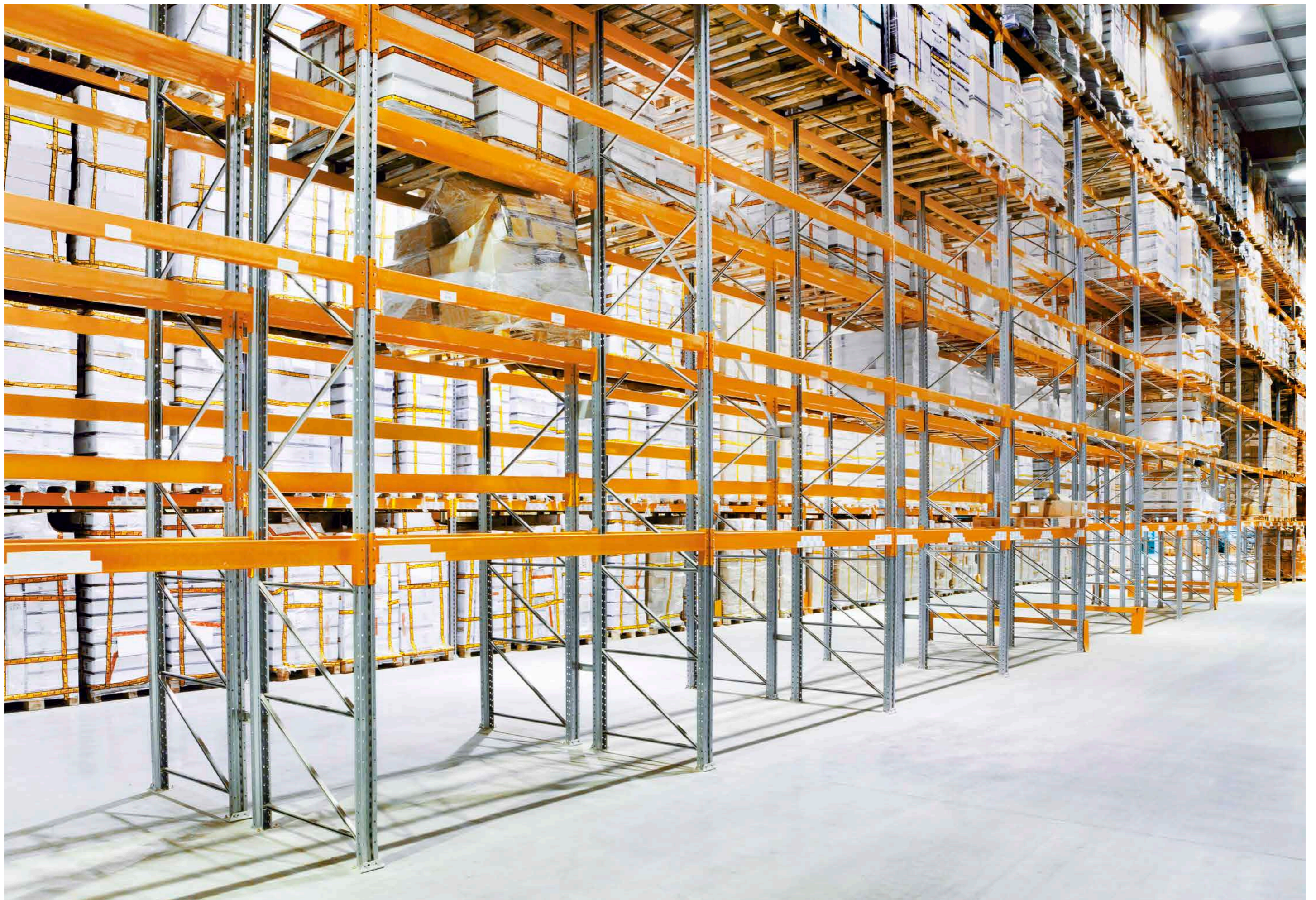


Large terminal compartment (surface-mounted only)



Optional remote controls refer to page 298





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.



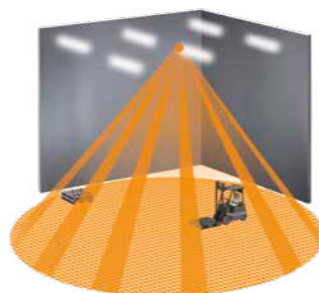
2000w
max.



TEACH
mode



5 JAHRE GARANTIE
manufacturer's warranty



IS 3360 MX Highbay

Surface-mounted square (65x95x95 mm)

EAN COM1 4007841 033569

EAN PF 4007841 033583

EAN KNX 4007841 058364

EAN DALI 4007841 010577

EAN DALI-2 4007841 057374

EAN LiveLink 4007841 009724

Concealed square (78x94x94 mm)

EAN COM1 4007841 033576

EAN PF 4007841 033590

EAN KNX 4007841 058203

EAN DALI 4007841 033606

EAN DALI-2 4007841 057381

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

Type Motion detector

Sensor type Passive infrared

Where to use Indoors

Installation Ceiling

Mounting height 4 - 14 m

Recommended mounting height 12 m

Angle of coverage 360° with 180° angle of aperture

Capability of masking out individual segments Yes

Reach max. Ø 36 m tangential (1018 m²), 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

Manual override Selectable, 4 h

IP rating Concealed: IP20 / surface-mounted: IP54

Temperature range -20 to +50°C

Optional accessories

EAN black trim, surface-mounted, square 4007841 056711

EAN black trim, concealed, square 4007841 056728

EAN User remote control RC5 4007841 592806

EAN Service remote control RC8 4007841 559410

EAN Remote control Smart Remote 4007841 009151

EAN Ceiling box Ø68 mm 4007841 052812

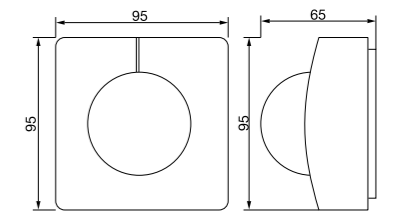
Refer to the 'Accessories' section for further information.



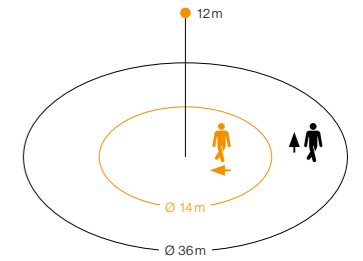
Surface-mounted, square



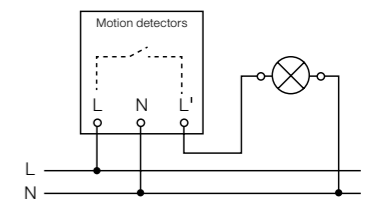
Concealed, square



Surface-mounted, square
For further designs, see page 56



IS 3360 MX Highbay detection zone
Possible mounting height: 4 - 14 m
Orange: radial
Black: tangential



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

Further circuit diagrams starting on page 52

UV-resistant plastic



Large terminal compartment (surface-mounted only)



Optional remote controls refer to page 298



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 8 m

2000w
max.



IP54/IP20



2-4 m



2 - 1000 lux



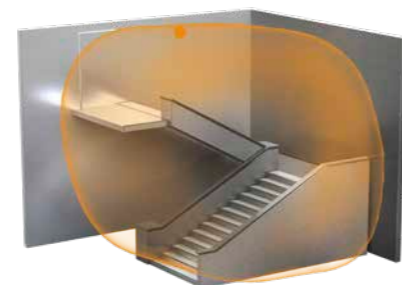
5 sec - 15 min

TEACH
mode



energy saving

5 JAHRE GARANTIE
manufacturer's warranty



HF 3360

Surface-mountedsquare (52x95x95 mm) round (52xØ126 mm)

EAN COM14007841 011734 4007841 033668

EAN PF4007841 010546 4007841 033699

EAN KNX4007841 0582104007841 058234

EAN DALI4007841 0116044007841 033736

EAN DALI-24007841 0573124007841 057329

EAN LiveLink4007841 049454 4007841 055639

Concealedsquare (64x94x94 mm) round (64xØ124 mm)

EAN COM14007841 033675 4007841 033682

EAN PF4007841 0337054007841 033712

EAN KNX4007841 0582274007841 058241

EAN DALI4007841 0337434007841 033750

EAN DALI-24007841 0573364007841 057343

EAN LiveLink4007841 0556224007841 055646

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

Type Motion detector

Sensor type High frequency

Where to use Indoors

Installation Wall, ceiling, corner

Mounting height 2-4 m

Recommended mounting height 2.8 m

Angle of coverage 360° with 140° angle of aperture

..... also through glass, wood and stud walls

Reach max. Ø 8 m tangential (50 m²), temperature-stabilised

Sensor system High-frequency 5.8 GHz (transmitter power < 1 mW)

Twilight setting 2 - 1000 lx

Teach function for twilight setting Yes

Manual override Selectable, 4 h

IP rating Concealed: IP20 / surface-mounted: IP54

Temperature range -20 to +50°C

Optional accessories

EAN black trim, surface-mounted, square4007841 056674

EAN black trim, concealed, square4007841 056681

EAN black trim, surface-mounted, round 4007841 056698

EAN black trim, concealed, round4007841 056704

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, white 4007841 035174

EAN corner wall mount, black4007841 648015

EAN Ceiling box Ø68 mm4007841 052812

Refer to the 'Accessories' section for further information.

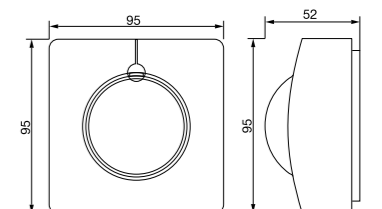


Surface-mounted, square

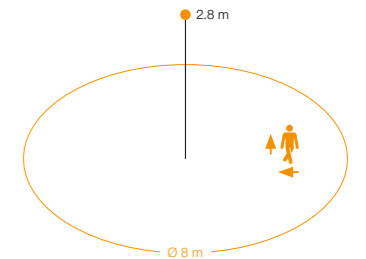
Surface-mounted, round

Concealed, square

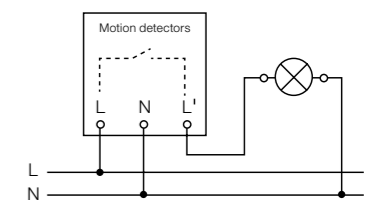
Concealed, round



Surface-mounted, square
For further designs, see page 56



HF 3360 detection zone
Possible mounting height: 2-4 m
Orange: radial and tangential



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

Further circuit diagrams starting on page 52

UV-resistant plastic



Large terminal compartment (surface-mounted only)



Optional corner wall mount available

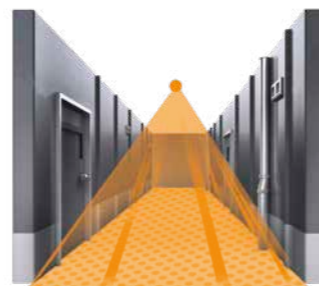
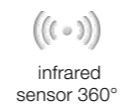


Optional remote controls refer to page 298



**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

Surface-mountedsquare (65 x 95 x 95 mm) round (65 x Ø 126 mm)

EAN COM1	4007841 010485	.....	4007841 033798
EAN PF	4007841 010539	.....	4007841 033828
EAN KNX	4007841 058258	.....	4007841 058272
EAN DALI	4007841 010584	.....	4007841 033859
EAN DALI-2.....	4007841 057275	.....	4007841 057299
EAN LiveLink	4007841 049416	.....	4007841 049430

Concealedsquare (78 x 94 x 94 mm) round (78 x Ø 124 mm)

EAN COM1	4007841 033804	.....	4007841 033811
EAN PF	4007841 033835	.....	4007841 033842
EAN KNX	4007841 058265	.....	4007841 058289
EAN DALI	4007841 033866	.....	4007841 033873
EAN DALI-2.....	4007841 057282	.....	4007841 057305
EAN LiveLink	4007841 049423	.....	4007841 049447

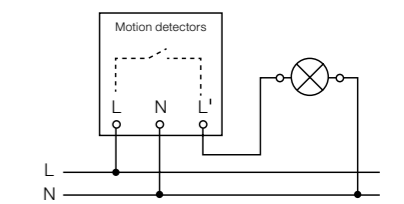
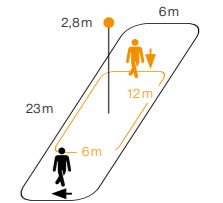
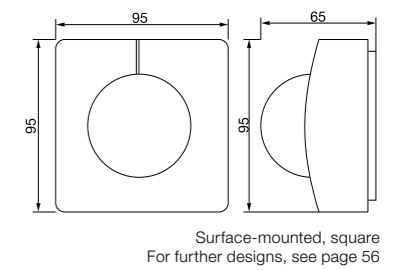
You will find information on the interfaces from page 52 onwards.

Type	Motion detector
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Ceiling, corridor
Mounting height	2.5-5 m
Recommended mounting height	2.8 m
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- 1000lx
Teach function for twilight setting	Yes
Manual override	Selectable, 4 h
IP rating	Concealed: IP20 / surface-mounted: IP54
Temperature range	-20 to +50°C

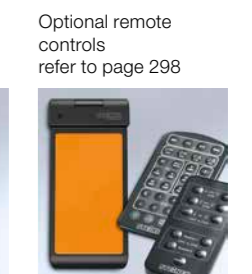
Optional accessories

EAN black trim, surface-mounted, square	4007841 056711
EAN black trim, concealed, square	4007841 056728
EAN black trim, surface-mounted, round	4007841 056735
EAN black trim, concealed, round	4007841 056742
EAN User remote control RC5	4007841 592806
EAN Service remote control RC8	4007841 559410
EAN Remote control Smart Remote	4007841 009151
EAN Ceiling box Ø68 mm	4007841 052812

Refer to the 'Accessories' section for further information.



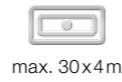
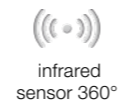
Further circuit diagrams starting on page 52



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.



2000w
max.



IP54/IP20



4 - 14m



2 - 1000 lux



5 sec - 15 min

TEACH
mode



energy saving

5 JAHRE
GARANTIE
manufacturer's warranty



IS 345 MX Highbay

Surface-mounted square (65x95x95 mm)

EAN COM14007841 010492

EAN PF4007841 010522

EAN KNX4007841 058296

EAN DALI4007841 010591

EAN DALI-24007841 057398

EAN LiveLink4007841 009731

Concealed square (78x94x94 mm)

EAN COM14007841 033910

EAN PF4007841 033927

EAN KNX4007841 058302

EAN DALI4007841 033934

EAN DALI-24007841 057404

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

Type Motion detector

Sensor type Passive infrared

Where to use Indoors

Installation Ceiling, corridor

Mounting height 4 - 14 m

Recommended mounting height 12 m

Angle of coverage Corridor

Capability of masking out individual segments Yes

Reach max. 30x4 m (radial) mounted at a height of 12 m;

..... temperature-stabilised. Precision adjustment using shrouds

Sensor system 5 detection levels, 280 switching zones

Twilight setting 2 - 1000lx

Teach function for twilight setting Yes

Manual override Selectable, 4 h

IP rating Concealed: IP20 / surface-mounted: IP54

Temperature range -20 to +50°C

Optional accessories

EAN black trim, surface-mounted, square4007841 056711

EAN black trim, concealed, square4007841 056728

EAN User remote control RC54007841 592806

EAN Service remote control RC84007841 559410

EAN Remote control Smart Remote4007841 009151

EAN Ceiling box Ø68 mm4007841 052812

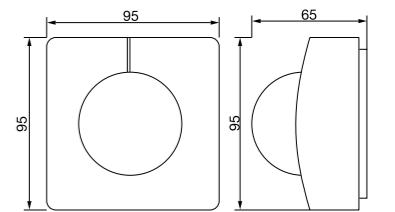
Refer to the 'Accessories' section for further information.



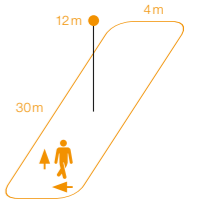
Surface-mounted, square



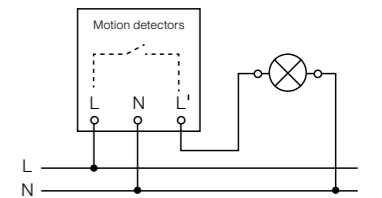
Concealed, square



Surface-mounted, square
For further designs, see page 56



IS 345 MX Highbay detection zone
Possible mounting height: 4 - 14 m
Orange: radial and tangential



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

Further circuit diagrams starting on page 52

UV-resistant plastic



Large terminal compartment (surface-mounted only)



Optional remote controls refer to page 298



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.

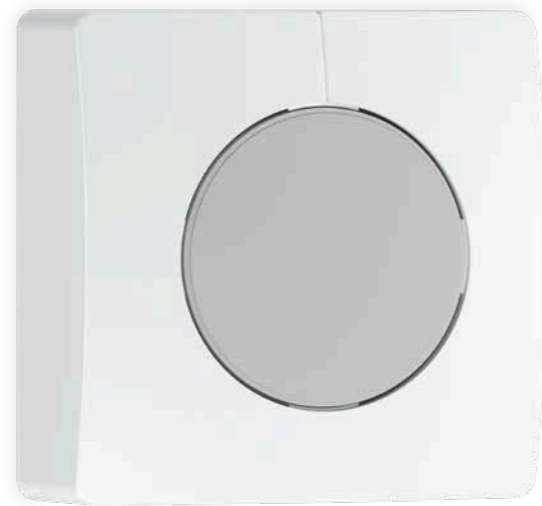


IP54



2 - 1000 lux

5 JAHRE GARANTIE
manufacturer's 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
Twilight setting	2 - 1000lx
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 bracket, white	4007841 035174
EAN corner wall mount bracket, black	4007841 648015
EAN User remote control RC5	4007841 592806
EAN Service remote control RC8	4007841 559410
EAN Remote control Smart Remote	4007841 009151

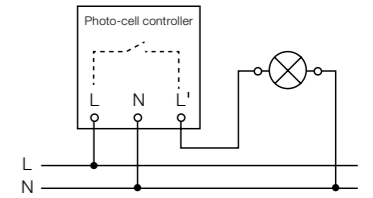
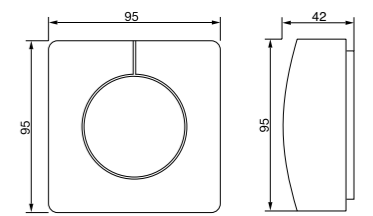
Refer to the 'Accessories' section for further information.



White



Black

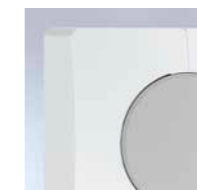


Also suitable for parallel operating mode.
Intrinsic-light detection.

Further circuit diagrams starting on page 52



UV-resistant plastic



Large terminal compartment



Optional corner wall mount 04 available



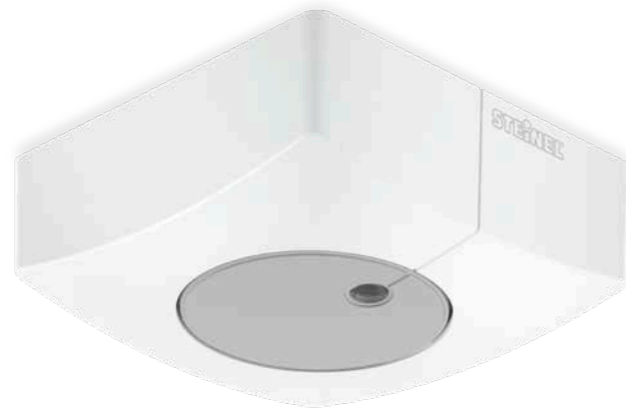
Optional remote controls refer to page 298



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.



Twilight switch
+ eco-mode



LiveLink



max. 4 m



IP54 / IP20



2 - 1000 lux



manufacturer's warranty

Light Sensor Dual

Surface-mountedsquare (65x95x95 mm) round (65xØ126 mm)

EAN KNX4007841 058319 4007841 058333

EAN DALI-24007841 057411 4007841 057428

EAN LiveLink4007841 009762

Concealedsquare (78x94x94 mm) round (78xØ124 mm)

EAN KNX4007841 058326 4007841 058340

EAN DALI-24007841 057435 4007841 057442

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

Type photo-cell controller

Dimensions (H x W x D) 42 x 95 x 95 mm

Where to use Indoors and outdoors

Installation Ceiling

Recommended mounting height 4 m

Angle of coverage directed and diffuse

Twilight setting 2 - 1000lx

IP rating Concealed: IP20 / surface-mounted: IP54

Temperature range -20 to +50°C

Optional accessories

EAN black trim, surface-mounted, square 4007841 056711

EAN black trim, concealed, square 4007841 056728

EAN black trim, surface-mounted, round 4007841 056735

EAN black trim, concealed, round 4007841 056742

EAN Service remote control RC6 KNX 4007841 593018

EAN IR user remote control RC7 KNX 4007841 592912

EAN Remote control Smart Remote 4007841 009151

EAN Ceiling box Ø68 mm 4007841 052812

Refer to the 'Accessories' section for further information.



Surface-mounted, square



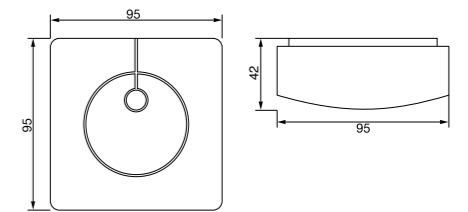
Surface-mounted, round



Concealed, square



Concealed, round



Surface-mounted, square
For further designs, see page 56



UV-resistant plastic



Large terminal compartment (surface-mounted only)



Optional remote controls refer to page 298



Interfaces and wiring diagrams for 3000-series

For all interfaces.
For even more flexibility.

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, KNX, DALI, DALI-2 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

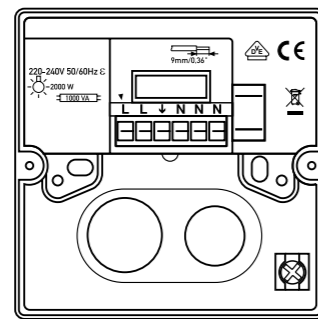
Power supply
 220-240 V, 50 / 60 Hz

Output

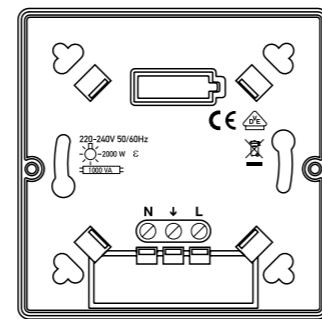
Incandescent/halogen lamp load	2000 W
Fluorescent-lamp electronic ballasts	1500 W
Fluorescent lamps, uncorrected	1000 VA
Fluorescent lamps, series-corrected	400 VA
Fluorescent lamps, parallel-corrected	400 VA
Low-voltage halogen lamps	2000 VA
LED < 2 W	100 W
2 W < LED < 8 W	100 W
LED > 8 W	600 W
Capacitive load	176 µF

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

Surface-mounted



Concealed



PF

Switching a floating relay

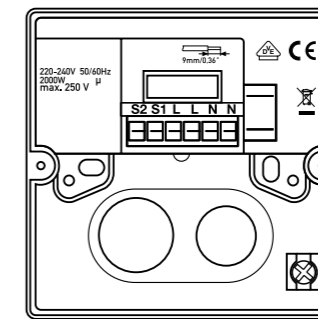
Power supply
 220-240 V, 50 / 60 Hz

Output

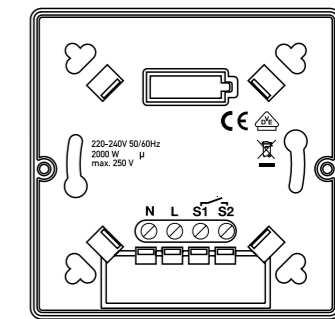
non SELV, max. 10 A, 240 V AC/24 V DC, min. 100 mA, 12 V AC/DC	
800 A / 200 µs	
Incandescent/halogen lamp load	2000 W
Fluorescent-lamp electronic ballasts	1500 W
Fluorescent lamps, uncorrected	1000 VA
Fluorescent lamps, series-corrected	400 VA
Fluorescent lamps, parallel-corrected	400 VA
Low-voltage halogen lamps	2000 VA
LED < 2 W	100 W
2 W < LED < 8 W	100 W
LED > 8 W	600 W
Capacitive load	176 µF

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

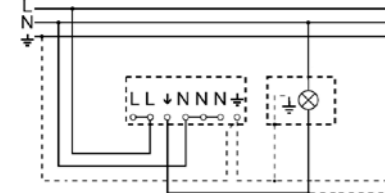
Surface-mounted



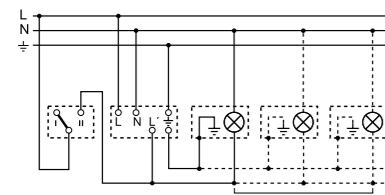
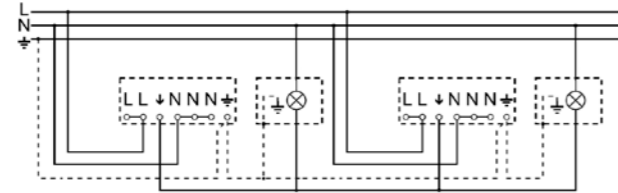
Concealed



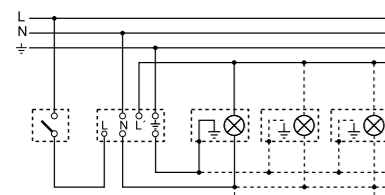
Master



Master/slave

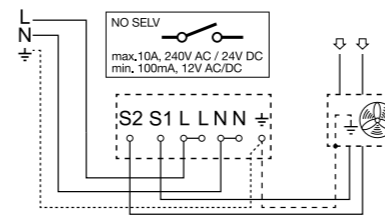


Connection via a two-way switch for manual override and automatic operation
 Setting I: automatic operation
 Setting II: manual operation, manual override for constant light
Note: The system cannot be switched OFF, it is only possible to select operation via setting I or II.



Connection using two-circuit switch for manual and automatic operation

Master



KNX

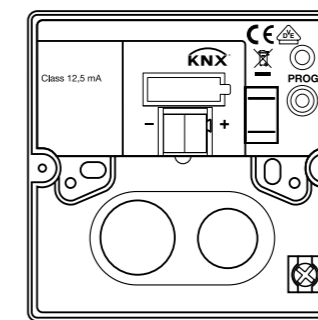
Digital bus interface for controlling 2 lighting channels and HVAC

Power supply
 Via KNX bus voltage

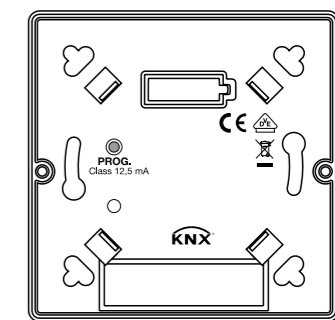
Settings
 Via ETS software, remote control or BUS

Functions
 Light output 2x, constant-lighting control 2x, basic light level function, absence, presence output, HVAC output, photo-cell controller, light level, sabotage, logic gate

Surface-mounted



Concealed



Interfaces and wiring diagrams for 3000-series

DALI

Digital DIM interface for controlling 1 lighting channel

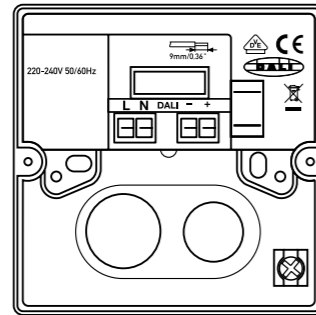
Power supply
220-240 V, 50 / 60 Hz

Time setting
5 s – 15 min

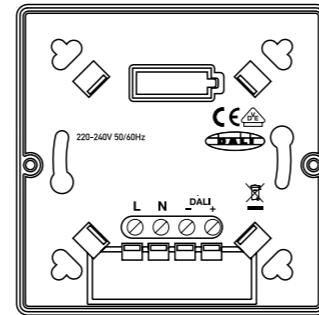
Control output
2-core DALI control cable / broadcast
Controllable DALI electronic ballasts: 30 DALI electronic ballasts

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

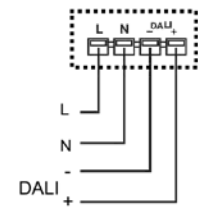
Surface-mounted



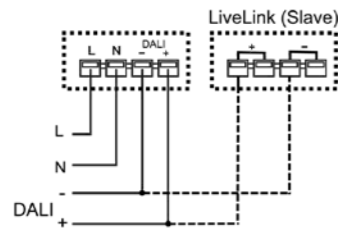
Concealed



Master



Master/Slave



LiveLink

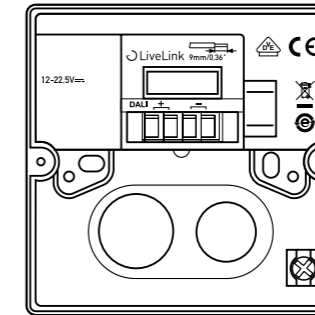
For connecting to the LiveLink light management system

Power consumption
LiveLink Box 6 mA / 3 DALI users,
16-22.5 V $\bar{\square}$ < 250 mA
(9 mA / 5 DALI users with HF 3360)

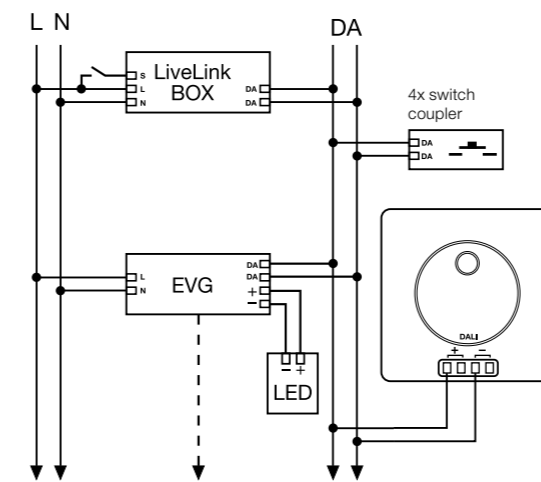
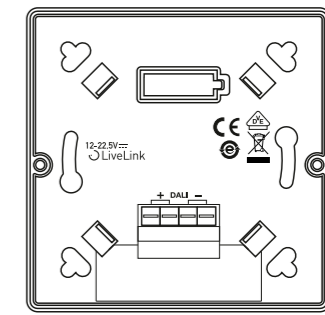
Control output
DALI control line (multi-master capability for communication with the LiveLink Box)

Settings
Via LiveLink app

Surface-mounted



Concealed



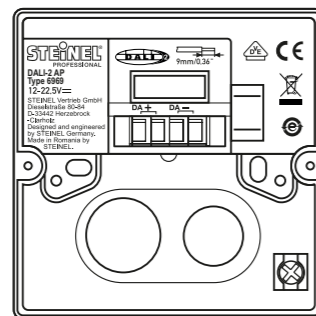
DALI-2

Communication of information on presence and light level to a DALI application controller

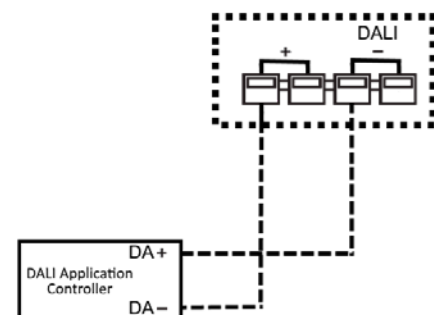
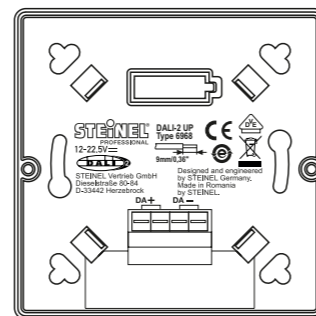
Power consumption
6 mA / 3 DALI users,
12-22.5 V $\bar{\square}$, no SELV
(9 mA / 5 DALI users with HF 3360)

DALI input device
DALI control line (multi-master capability for communication with DALI application controller/ DALI sensor)

Surface-mounted

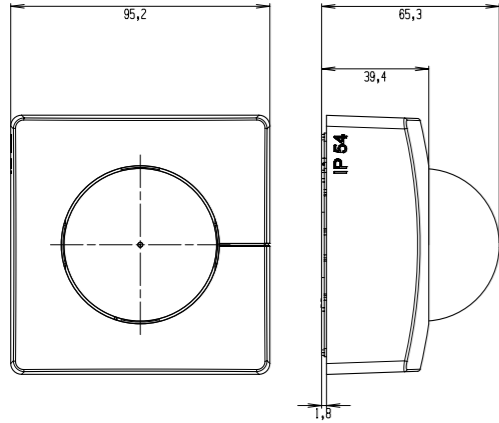


Concealed

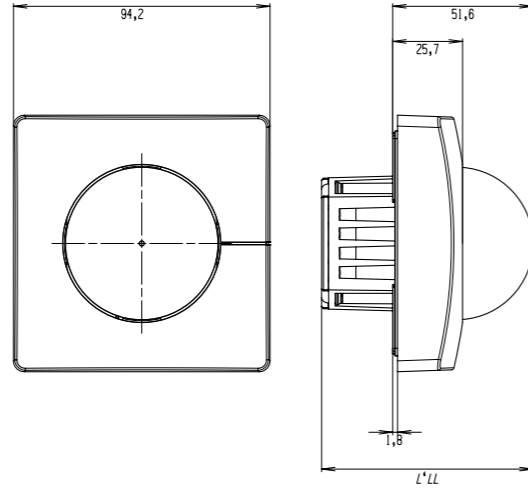


IS 3180 / IS 3360 / IS 3360 MX Highbay / IS 345 / IS 345 MX Highbay

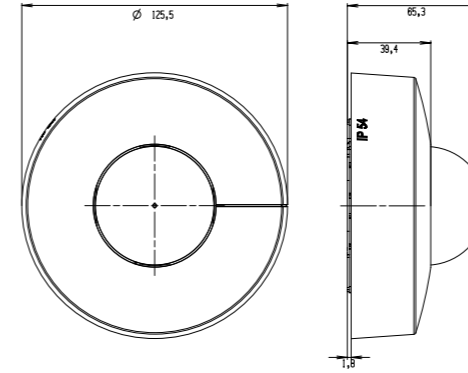
Surface-mounted installation, square



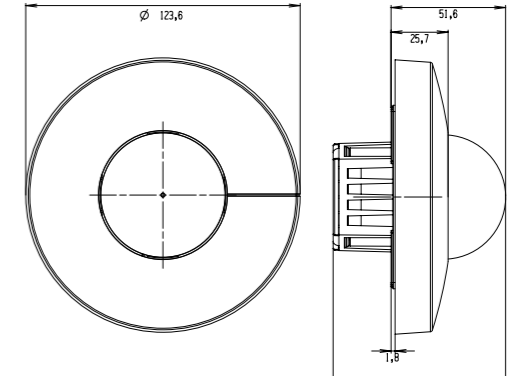
Concealed installation, square



Surface-mounted installation, round

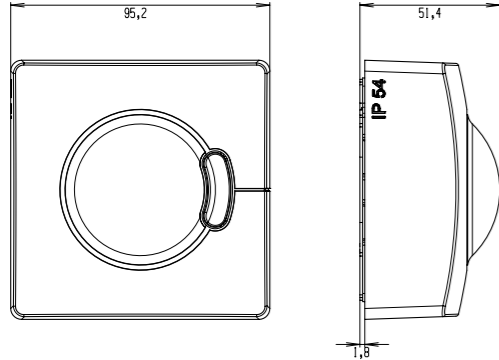


Concealed installation, round

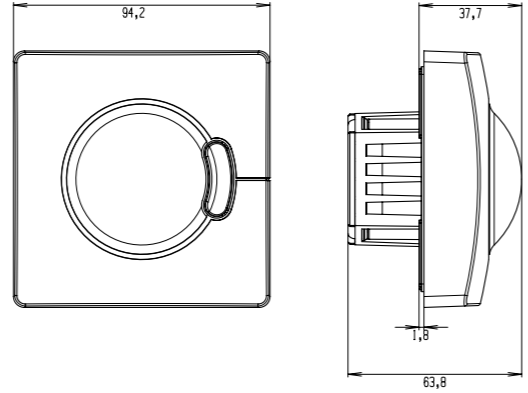


HF 3360

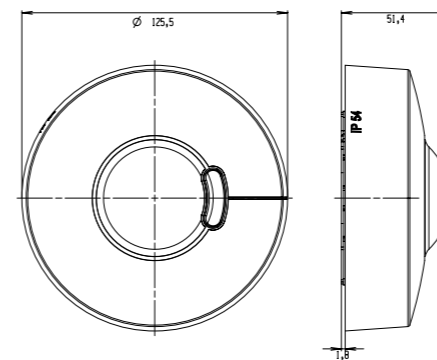
Surface-mounted installation, square



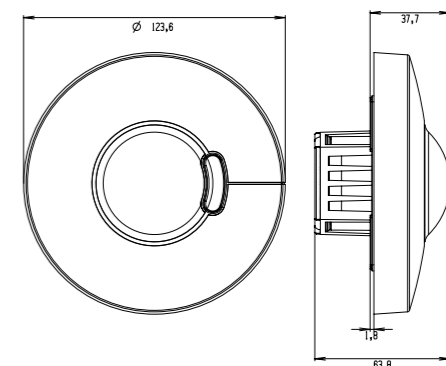
Concealed installation, square



Surface-mounted installation, round

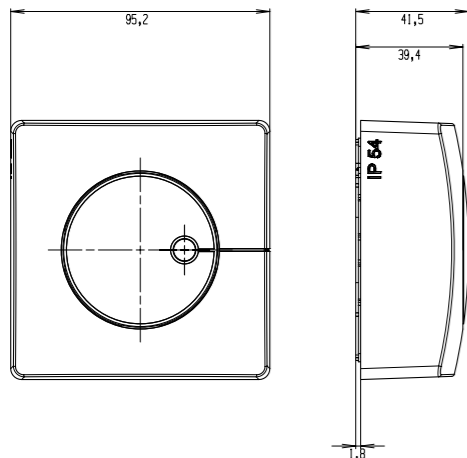


Concealed installation, round

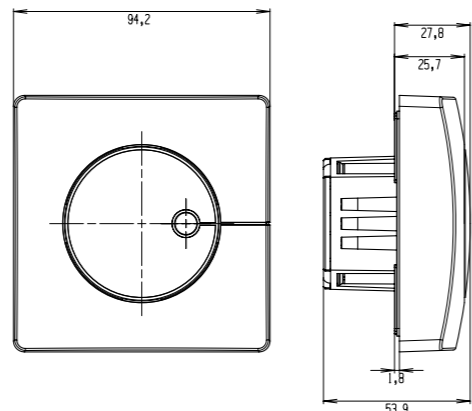


Light Sensor Dual

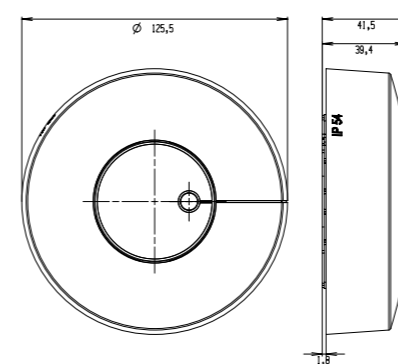
Surface-mounted installation, square



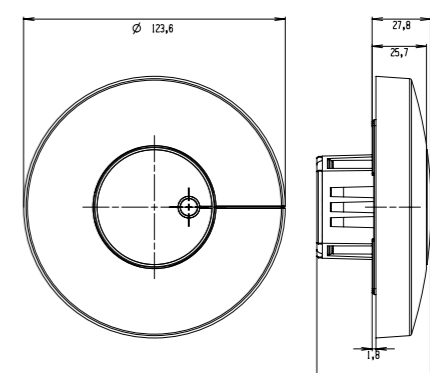
Concealed installation, square



Surface-mounted installation, round



Concealed installation, round





IS2180-5



IS2180-2



IS300



IS D360

Indoors	•	•	•	•
Outdoors	•	•	•	
For the wall	•	•	•	
For the ceiling				•
Mounting height	max. 3 m	max. 4 m	max. 4 m	max. 4 m
Switching capacity	max. 1000 W	max. 1000 W	max. 2000 W	max. 1000 W
Angle of coverage	180°	180°	300°	360°
Reach	max. 20 m or max. 8 m	max. 12 m or max. 5 m	max. 12m	max. Ø16m
Corner wall mount	included	included	included	
Special features	Swivelling multi-lens	Swivelling multi-lens		
Page	60	62	64	66



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

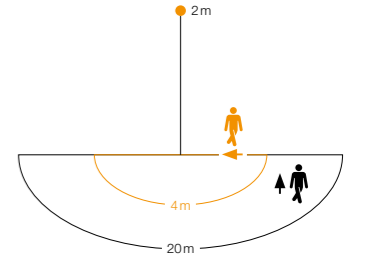
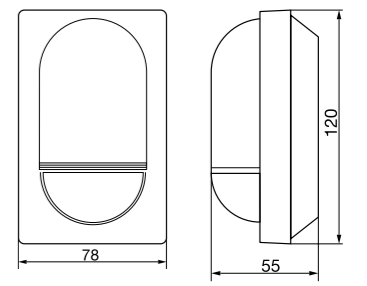
Nice and flat on the wall.

Nice and flexible too.

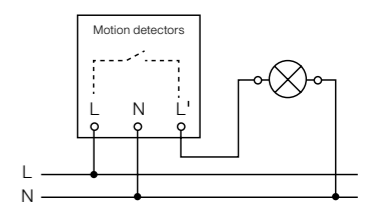
Large entrance areas leading into buildings of architectural finesse benefit in particular from automated lighting that points the way for night-time visitors or passers-by. Because this is where design's important too. The IS 2180-5 cuts an altogether superb figure on any wall. It also provides a wide 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
Mounting height	1.8-3m
Recommended mounting height	2 m
Output	max. 1000 W (resistive load), max. 6 fluorescent lamps / LED lamps, C ≤ 132 µF
	max. 500 VA (cos φ = 0.5)
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 - 2000lx
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

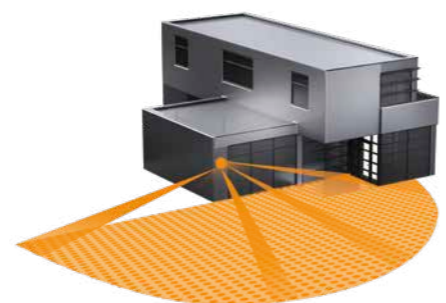


IS 2180-5 detection zone (20 m lens)
Possible mounting height: 1.8 - 3m
Orange: radial
Black: tangential



Generous reach.

Further circuit diagrams starting on page 82



IS 2180-2

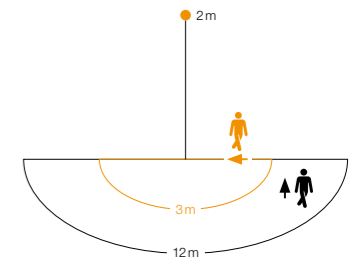
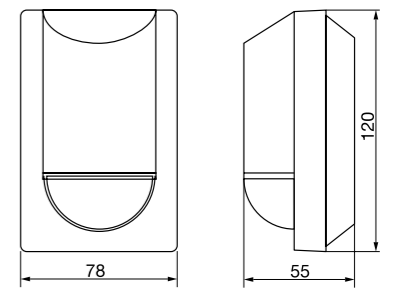
Cuts a fine figure.

On the wall and as a guard dog.

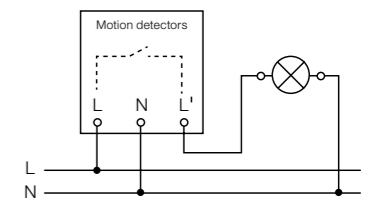
The IS 2180-5 infrared motion detector's small brother is the ideal choice for watching over areas of up to 200 m². Not only impressing with top-class sensor technology as well, this one also pleases the eye with its modern design that fits perfectly into the overall picture on contemporary architecture.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



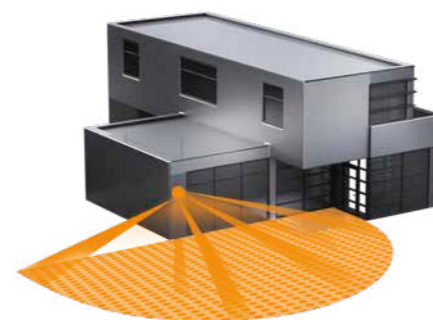
EAN IS 2180-2, white	4007841 603816
EAN IS 2180-2, stainless steel	4007841 603915
EAN IS 2180-2, black	4007841 603717
EAN IS 2180-2 anthracite	4007841 057664
Type	Motion detector
Dimensions (H x W x D)	120 x 78 x 55 mm
Power supply	230-240V, 50Hz
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall, corner
Mounting height	1.8-4 m
Recommended mounting height	2 m
Output	max. 1000 W (resistive load), max. 6 fluorescent lamps / LED lamps, C ≤ 132 µF max. 500 VA (cos φ = 0.5)
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	2-2000lx
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



IS 2180-2 detection zone (12 m lens)
Possible mounting height: 1.8-4 m
Orange: radial
Black: tangential



Also suitable for parallel operating mode.
Normal reach.
Further circuit diagrams starting on page 82



Including corner wall mount

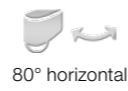


IS 300

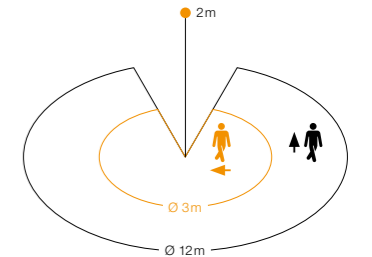
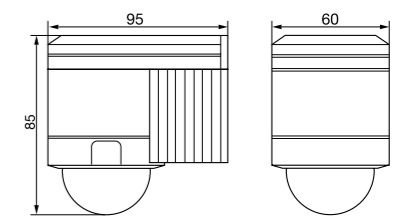
Minimal dimensions.

Maximum detection performance.

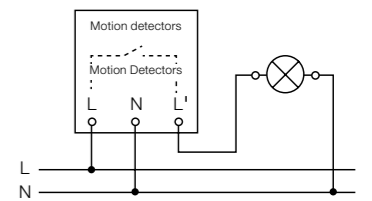
The more obscure building corners, the more winding corridors and passageways, the more corner specialist IS 300 has what it takes. The 3 pyro sensors work together to give it a coverage angle of no less than 300°. So this little gem can even look round corners, quite literally. It's also a powerful 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!



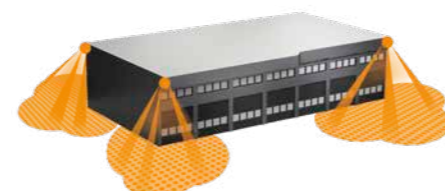
EAN IS 300, white	4007841 602215
EAN IS 300, black	4007841 602116
Type	Motion detector
Dimensions (H x W x D)	85 x 60 x 95 mm
Power supply	230-240V, 50Hz
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall, corner
Mounting height	1.8-4 m
Recommended mounting height	2 m
Output	max. 2000 W (resistive load), max. 8 fluorescent lamps / LED lamps, C ≤ 176 µF
	max. 1000 VA (cos φ = 0.5)
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. Ø 12 m tangential (377 m²), temperature-stabilised
Sensor system	10 detection levels, 456 switching zones
Twilight setting	2-2000lx
Time setting	10 sec - 15 min
IP rating	IP54
Temperature range	-20 to +50°C
Accessory included	Corner wall mount for external corners



IS 300 detection zone
Possible mounting height: 1.8-4 m
Orange: radial
Black: tangential



Also suitable for parallel operating mode.
Further circuit diagrams starting on page 82

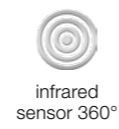


IS D360

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.

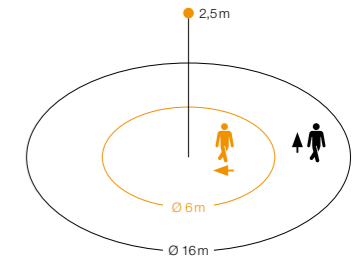
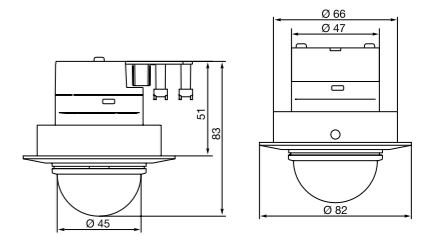


1000w
max.

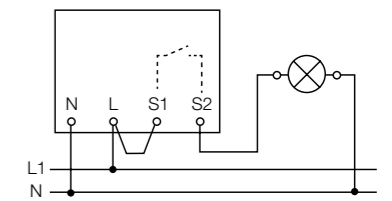


5 JAHRE GARANTIE
manufacturer's warranty

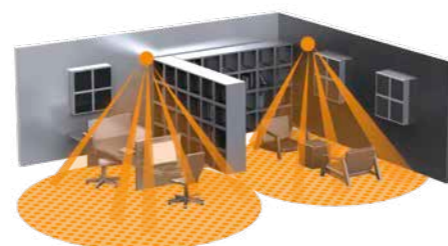
EAN IS D360	4007841 601317
Type	Motion detector
Dimensions (H x W x D)	83xØ82mm
Power supply	230-240V, 50Hz
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Mounting height	2.5-4 m
Recommended mounting height	2.5 m
Output	max. 1000 W (resistive load), max. 4 fluorescent lamps / LED lamps, C ≤ 88 µF max. 500 VA (cos φ = 0.5)
Angle of coverage	360° with 180° angle of aperture
Reach	max. Ø 16 m tangential (201 m²), temperature-stabilised
Sensor system	10 detection levels, 720 switching zones
Twilight setting	2-2000lx
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
Possible mounting height: 2.5-4 m
Orange: radial
Black: tangential



Also suitable for parallel operating mode.
Further circuit diagrams starting on page 82



Any surround can be used. Installation dimensions:
outer diam. = Ø 73 mm,
install. depth = 53 mm





	IS2160ECO	IS 2180 ECO	IS 2360 ECO	IS 2360-3 ECO	IS 2360 DE ECO	IR 2180, concealed, ECO
Indoors	•	•	•	•	•	•
Outdoors	•	•	•	•	•	
For the wall	•	•				•
For the ceiling			•	•	•	
Mounting height	max. 3 m	max. 4 m	max. 4 m	max. 4 m	max. 4 m	max. 2.2m
Switching capacity	max. 600 W	max. 2000 W	max. 2000 W	max. 2000 W	max. 1000 W	max. 200 W
Angle of coverage	160°	180°	360°	360°	360°	180°
Reach	max. 12 m	max. 12 m or max. 5 m	max. Ø 7 m	max. Ø 24 m	max. Ø 8 m	max. 8 m
Corner wall mount		included				
Special features		Swivelling multi-lens				For 2 or 3-wire installations
Page	70	72	74	76	78	80



IS 2360 DE ECO

**Motion detectors for any application.
2000 ECO series.**

Whether wall, ceiling, corner, concealed or surface-mounted installation. These time-tested, attractively priced and LED-compatible sensors for indoors and outdoors always give you the right sensor.

IS 2160 ECO

Huge flexibility. At a tiny price.

Inexpensive, good and ideally suited to small 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.

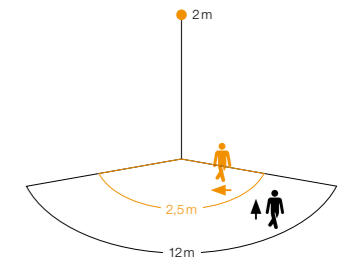
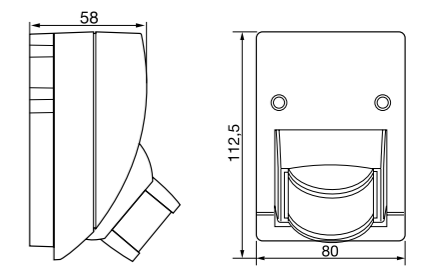


600w
max.

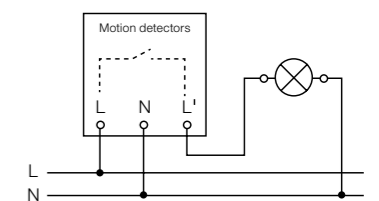


5 JAHRE GARANTIE
manufacturer's warranty

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
Mounting height	1.8-3m
Recommended mounting height	2 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	2-2000lx
Time setting	8 sec-35 min
IP rating	IP54
Temperature range	-20 to +50°C



IS2160ECO detection zone
Possible mounting height: 1.8 - 3m
Orange: radial
Black: tangential



For solo operation only.

Further circuit diagrams starting on page 82



White



Black



UV-resistant plastic



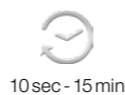
IS 2180 ECO

Cuts a fine figure.

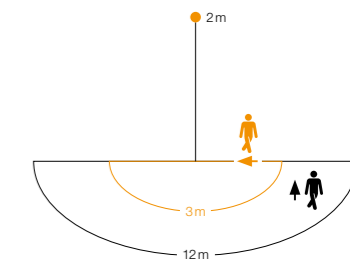
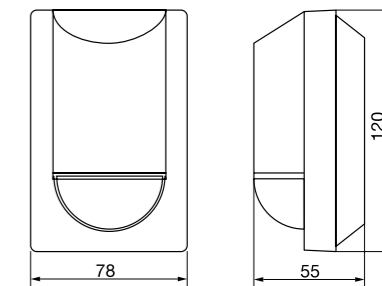
On the wall and as a guard dog.

The ideal choice for watching over areas of up to 200 m². Not only impressing with top-class sensor technology, this one also pleases the eye with its modern design that fits perfectly into the overall picture on contemporary architecture.

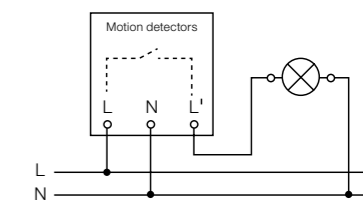
No exception here either: flexibility in adjusting coverage angle and reach.



EAN IS 2180 ECO, white	4007841 034696
EAN IS 2180 ECO, black	4007841 034702
EAN IS 2180 ECO anthracite	4007841 064907
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
Mounting height	1.8-4 m
Recommended mounting height	2 m
Output	max. 2000 W (resistive load), max. 6 fluorescent lamps / LED lamps, C ≤ 132 µF
	max. 1000 VA (cos φ = 0.5)
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 from 1-12 m 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 - 2000lx
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



IS 2180 ECO detection zone (12 m lens)
Possible mounting height: 1.8-4 m
Orange: radial
Black: tangential



Also suitable for parallel operating mode.
Normal reach.

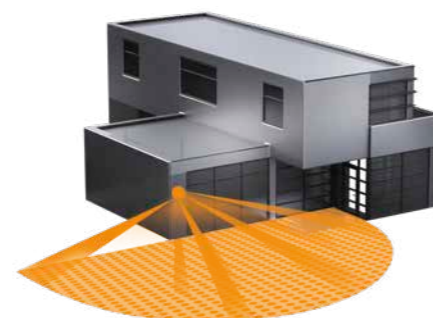
Further circuit diagrams starting on page 82



White

Black

Anthracite



Including corner wall mount



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



2-4m



2-2000 lux



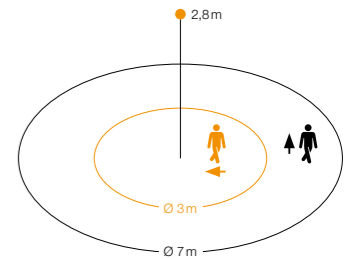
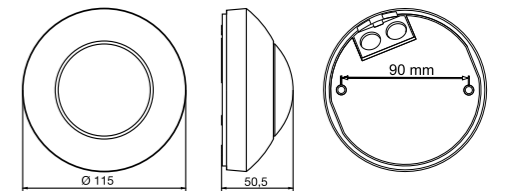
8 sec - 35 min



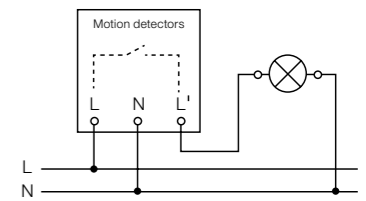
energy saving

5 JAHRE GARANTIE
manufacturer's warranty

EAN IS 2360 ECO	4007841 006556
Type	Motion detector
Dimensions (HxWxD)	Ø 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
Mounting height	2 - 4 m
Recommended mounting height	2.8 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. Ø 7 m tangential (38 m²), temperature-stabilised
Twilight setting	2 - 2000lx
Time setting	8 sec - 35 min
IP rating	IP54
Temperature range	-20 to +50°C

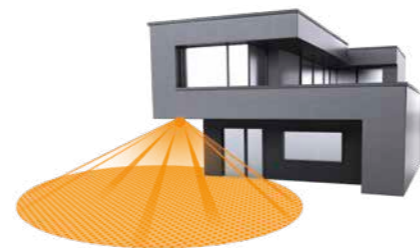


IS 2360ECO detection zone
Possible mounting height: 2-4 m
Orange: radial
Black: tangential



For solo operation only.

Further circuit diagrams starting on page 82



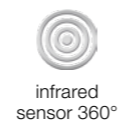
UV-resistant plastic



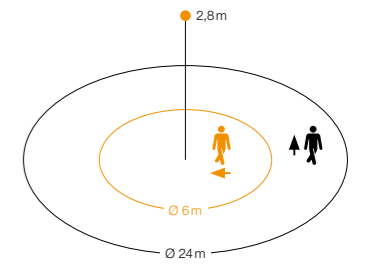
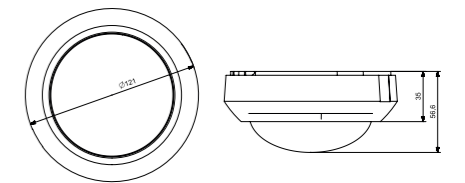
IS 2360-3 ECO

The multi-talent for indoors and outdoors.

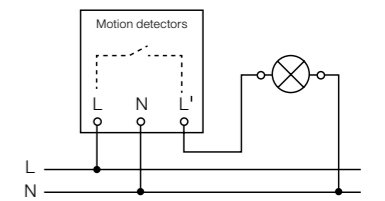
The infrared ceiling sensor that satisfies all demands and is really simple to install. Simply genius: sophisticated technology that is installed and configured in just a few steps thanks to a clever installation concept. Thanks to its three pyro sensors, the infrared surface-mounted sensor has an impressive 360° angle of coverage and a range of up to 12 m. The detection zone can be set to any requirement by fitting shrouds.



EAN IS 2360-3 ECO	.....4007841 057770
Type	..... Motion detector
Dimensions (HxWxD)	..... Ø 121 x 57 mm
Power supply	..... 220 - 240 V, 50 / 60 Hz
Sensor type	..... Passive infrared
Where to use	..... Indoors and outdoors
Installation	..... Ceiling
Mounting height	..... 2 - 4 m
Recommended mounting height	..... 2.8 m
Output	..... max. 2000 W (resistive load), max. 8 fluorescent lamps / LED lamps, C ≤ 132 µF max. 500 VA (cos φ = 0.5)
Angle of coverage	..... 360° with 90° angle of aperture
Capability of masking out individual segments	..... Yes
Swivelling range	..... ± 10° precision adjustment of lens
Reach	..... max. Ø 24 m tangential (452 m²), temperature-stabilised
Twilight setting	..... 2 - 1000lx
Time setting	..... 5 sec - 15 min
IP rating	..... IP54
Temperature range	..... -20 to +50°C
Accessories included	..... shrouds



IS 2360-3 ECO detection zone
Possible mounting height: 2 - 4 m
Orange: radial
Black: tangential



Also suitable for parallel operating mode.
Further circuit diagrams starting on page 82



UV-resistant plastic



IS 2360 DE ECO

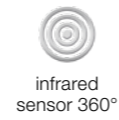
STEINEL inside.

Intelligent technology for flush installation.

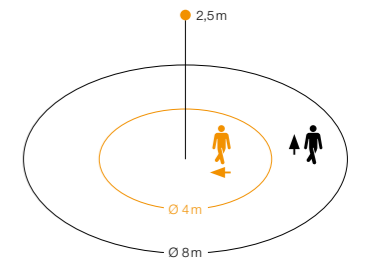
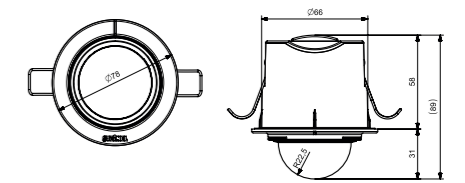
The perfect infrared sensor for installing in projecting roofs and suspended ceilings.

The IS 2360 DE ECO has a reach of up to 4 m and an impressive 360° angle of coverage.

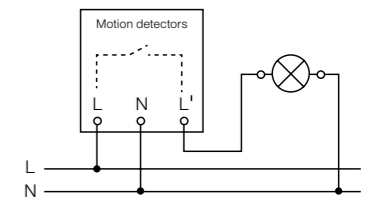
The detection zone can be adjusted where necessary by using shrouds.



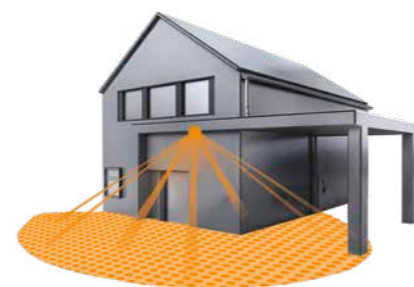
EAN IS 2360 DE ECO	4007841 034733
Type	Motion detector
Dimensions (ØxH)	Ø 78 x 89 mm
Power supply	230-240 V, 50 / 60 Hz
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Mounting	In-ceiling installation, Ø 68 mm
Mounting height	2.2 - 4 m
Recommended mounting height	2.5 m
Output	max. 1000 W (resistive load), max. 6 fluorescent lamps / LED lamps, C ≤ 132 µF
	max. 1000 VA (cos φ = 0.5)
Angle of coverage	360° with 180° angle of aperture
Capability of masking out individual segments	Yes
Swivelling range	± 10° precision adjustment of lens
Reach	max. Ø 8 m tangential (50 m²), temperature-stabilised
Twilight setting	2-2000 lx
Time setting	8 sec - 35 min
IP rating	IP54
Temperature range	- 20 to + 40°C
Accessories included	shrouds



IS 2360 DE ECO detection zone
Possible mounting height: 2.2-4 m
Orange: radial
Black: tangential



Also suitable for parallel operating mode.
Further circuit diagrams starting on page 82



360°, max. 4 m



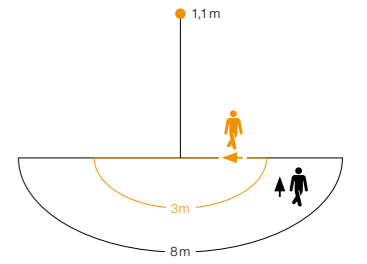
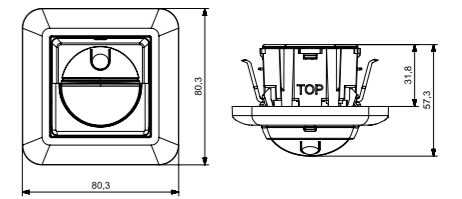
IR 2180 UP ECO

The new universal wizard.

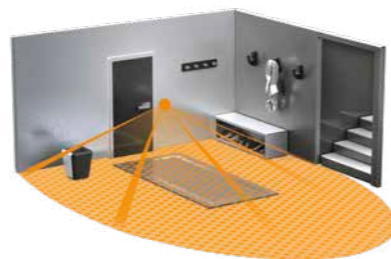
It is great when things simply work without great effort. As is the case with the IR 2180 concealed ECO, which can be used to automate light in corridors, stairwells or WCs in next to no time. Simply exchange with the existing flush-mounted switch. Works every time – whether as a 2-wire or 3-wire installation. Switches all lamp types. The built-in 180° infrared sensor impresses with a reach of up to 8 m. And thanks to the integrated button, manual switching is possible at any time as well.



EAN IR 2180 concealed ECO	4007841 065003
Type	Motion detector / sensor switch
Dimensions (Ø x H)	81 x 81 x 57 mm
Power supply	220-240 V, 50 / 60 Hz
Sensor type	Passive infrared
Where to use	Indoors
Installation	Wall
Mounting height	1.1 - 2.2 m
Recommended mounting height	1.1 m
Output	max. 200 W (resistive load), max. 4 fluorescent lamps / LED lamps, C ≤ 88 µF
Angle of coverage	180° with 90° angle of aperture
Reach	max. radius 8 m
Twilight setting	2 - 1000 lx
Time setting	5 sec - 30 min
IP rating	IP20
Temperature range	0 to + 40°C



IR 2180 concealed ECO detection zone
Possible mounting height: 1.1 - 2.2 m
Orange: radial
Black: tangential



180°, max. 8m

2 or 3-wire installation



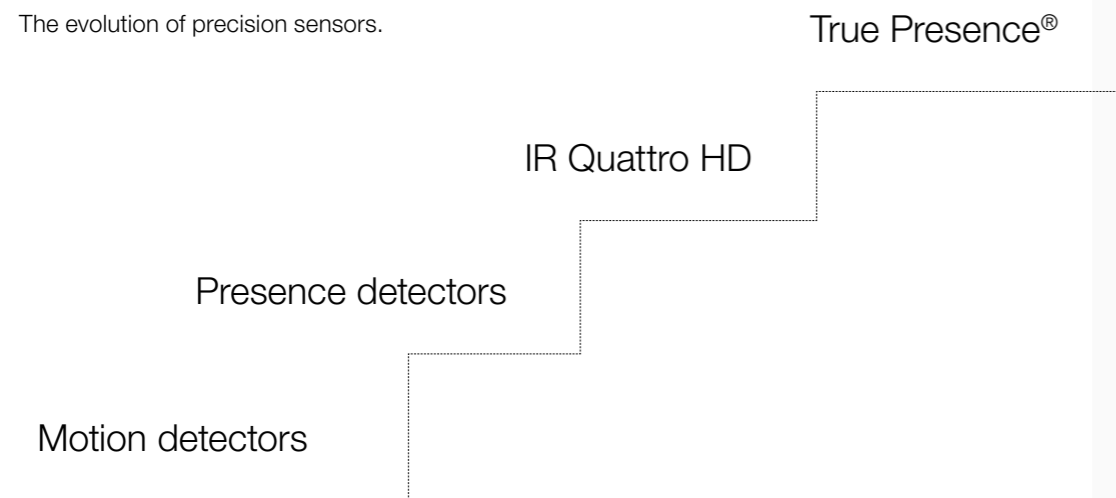


True Presence® People at the centre of a digital sensor revolution.

To be or not to be? What really counts? What's really important? These are the questions we asked ourselves when we were pushing the further evolution of our sensor technology. Today's presence detectors are actually nothing more than enhanced motion sensors. And how can a motion sensor be improved even further? The answer came quickly: By concentrating on presence instead of motion. True presence means that a person is present – even when he is not moving. That really changes things. We took on the challenge. We met it.

True Presence® is the world's first true presence detector. It reliably detects the presence of a person - no matter what this person is doing: walking, standing, sitting, reading, resting or sleeping. This is true digital knowledge of presence or absence. This is essential information for existing and future building management.

The evolution of precision sensors.



True Presence® detects micro-movements resulting from the vital functions of a human being. Even the slightest movement of the chest or shoulders is sufficient for reliable detection.

True Presence® Sensory organs for digitalisation.

Our True Presence® technology is based on detailed high-frequency measurements of the surroundings. The presence of humans is indicated when 3-dimensional breathing patterns (micro-movement resulting from vital functions) are detected. The combination of a highly sensitive antenna with unique sensor software results in a 100% detection of humans. The distance of the person to the sensor, the movement vector and the body posture is registered as well. And all of this so quickly and so precisely that an additional stay ON time is no longer required.

Sometimes it's the little details that result in major changes. Even if most people hardly notice presence detectors on the ceiling: the new True Presence® detectors will leave a lasting impression. The outstanding design indicates a revolution on the inside. True Presence® is the flagship of the presence detector evolution and opens up a new era in building sensor technology.

The true presence® product family combines revolutionary technology with an enhanced sensor design on a digital basis. And easy to control via app and Bluetooth.



True Presence®

It is the first detector for identifying human presence. It reliably detects the presence and absence of people in an area of 64 m², the "True Presence®". At a previously unattainable 177 m², it has even been possible to triple its total presence detection zone over conventional presence detectors.

True Presence® Multisensor KNX

True Presence® technology with enhanced senses for brightness, room temperature, humidity, CO₂, volatile organic compounds (VOC) and air pressure. It misses absolutely nothing.

Multisensor Air KNX

Good air makes people active and keeps them healthy. This extension of the True Presence® family concentrates on the detection of temperature, humidity, air pressure, volatile organic compounds (VOC), CO₂ and brightness.

Hallway

Specialists are needed for long hallways and aisles. Hallway detects the movement vector as well as if someone is on the left or the right. And this with a detection zone of 25 m.



True Presence® detects micro-movements resulting from the vital functions of a human being.

Digital configuration of the detection zones and sensor specifications.

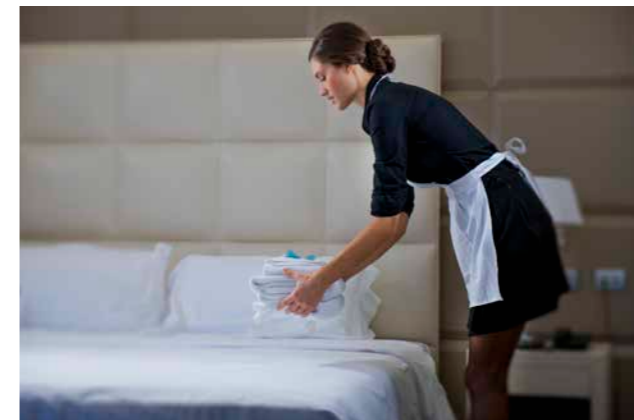
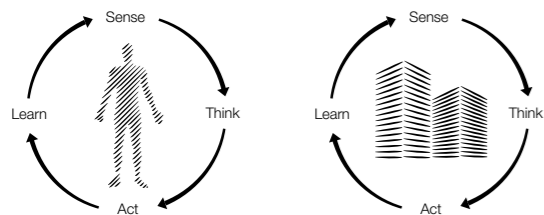
Newly developed high-frequency antenna with extremely fine resolution.

High-speed processors for evaluating sensor data.

True Presence® Solutions for more efficiency, health, safety and comfort.

Building intelligence starts with a sense, just like with humans. Sensors record data and transmit this to a central processing unit where it is analysed and evaluated. Based on this analysis, information is provided for controlling the building's technical actuators. Over time, the intelligent building gathers knowledge and continuously optimises performance automatically.

True Presence® can detect true human presence in the room no matter what these people are doing. Long follow-up timing is not necessary anymore. The information "presence of humans" now becomes a control parameter for building automation. And even when this technology is already available on the market, it still has not revealed its full potential yet. Combining True Presence® with the detection of temperature, humidity, VOC and brightness makes sensors real sensory organs and gives your building the information that is necessary for true **building intelligence**.



Occupancy and service management.

Which room is available, which room is still occupied? It is embarrassing and inefficient when service personnel enter a room that is still occupied. The Hospitality solution lets you easily detect which rooms still have guests present and which do not. The Service is optimised and is much quicker.



Care room monitoring.

The number of elderly people is constantly increasing. The special Elderly Care solutions let True Presence® reliably detect the vital functions of people that require care - it detects presence and absence as well as variations from normal situations and problematic conditions.



Creating a good interior climate.

The True Presence® Multisensor KNX reliably analyses room air and provides the basis for optimum ventilation, air conditioning, shading and more. It creates a healthy indoor climate and makes sure that the lights don't go out during a class test.



True Presence®

The first true presence detector. Looking forward follows looking up.

True Presence® was developed to be the first true presence detector. It reliably indicates if a person is in the room or not. This means that reliable absence detection is possible for the first time. This information provides a reliable basis for switching lighting ON and OFF without the need for stay-ON times and without unnecessary electricity costs. Its knowledge of true presence and absence permits numerous other applications that are of immense value to building management. This sets a new standard in advanced building automation.



high frequency sensor 360°

2000w
max.



broadcast / addressable



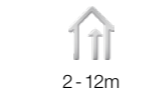
True Presence
Ø 9m



presence
Ø 15m



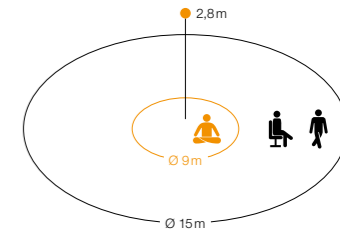
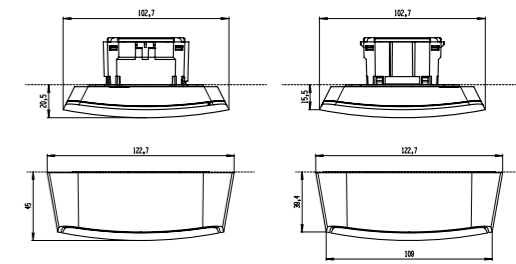
movement
Ø 15m



2 - 12m

5 JAHRE
GARANTIE
manufacturer's warranty

EAN True Presence COM1, surface-mounted	4007841 057916
EAN True Presence COM1, concealed	4007841 057923
EAN True Presence COM2, surface-mounted	4007841 057930
EAN True Presence COM2, concealed	4007841 057947
EAN True Presence DALI, surface-mounted	4007841 057954
EAN True Presence DALI, concealed	4007841 057961
EAN True Presence KNX, concealed	4007841 056339
Type	Presence detector
Dimensions (HxWxD), concealed	103 x 103 x 50 mm
Dimensions (HxBxT), surface-mounted	122.7 x 122.7 x 45 mm
Power supply COM1/COM2/DALI	220 - 240 V, 50 / 60 Hz
KNX power supply	KNX bus voltage
Sensor type	High frequency
Where to use	Indoors
Installation	Ceiling
Mounting height	2 - 12 m
Recommended mounting height	2.8 m
Output COM1/COM2	max. 2000 W, max. 8 fluorescent lamps / LED lamps, C ≤ 176 µF
Output COM2	max. 230 W / 230 V, max. 1 A
Output DALI	1 x 2-conductor DALI-control line/ broadcast + addressable for 64 electronic ballasts
KNX functions	photo-cell controller, basic light level function, light level, HVAC output, constant-lighting control, light output 4x, humidity output, presence output, day / night function, dew point, temperature output
Angle of coverage	360°
True Presence detection	Ø 9m
Presence detection	Ø 15m
Motion detection	Ø 15m
Reach digitally adjustable	yes
Interconnection	Wireless interconnection via Bluetooth
Sensor detection variables for KNX version	True Presence®, temperature, humidity
Twilight setting	2 - 1000lx
Time setting	COM1/COM2/DALI: 0 sec-30 min; KNX: 0-255 min
IP rating	Concealed: IP20 / surface-mounted: IP54
Temperature range	-20 to +50°C; 0 to +40°C (KNX)
Enclosure	UV-resistant plastic



True Presence detection zone
Possible mounting height: 2 - 12 m
Orange: True Presence
Black: movement and presence



Surface-mounted installation

Concealed installation

Concealed installation (KNX)



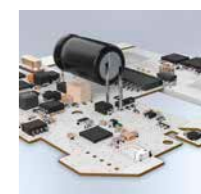
UV-resistant plastic



Configuration via Bluetooth and app



Digital high-frequency sensor system

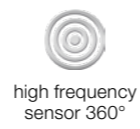


True Presence® Multisensor KNX

Seven senses for intelligent buildings.

The most precise presence detector ever becomes the ultimate sensory organ.

Brightness, ambient temperature, humidity, air pressure, volatile organic compounds (VOC) and CO₂ measurements are necessary for the true detection of people. Information that brings the digitalisation of building automation a great deal further. This combination makes the True Presence® Multisensor KNX an investment in a building's intelligence, in people's sense of well-being and in running the building cost-efficiently. The best comes from above – precise, digital information for an advanced building management.



high frequency sensor 360°



True Presence
Ø 9m



presence
Ø 15m



movement
Ø 15m



brightness



temperature



air humidity



air pressure



VOC



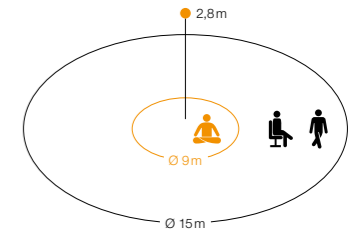
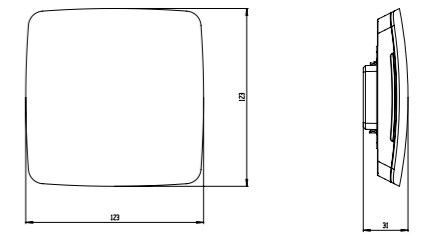
CO₂



5 JAHRE
GARANTIE
manufacturer's
warranty



EAN True Presence® Multisensor KNX	4007841 056353
Type	Multisensor
Dimensions (H x W x D)	123 x 123 x 31 mm
Power supply	KNX bus voltage
Sensor type	High frequency
Where to use	Indoors
Installation	Ceiling
Mounting height	2 - 12 m
Recommended mounting height	2.8 m
KNX functions	Comfort, direction of movement, CO ₂ , photo-cell controller, basic light level function, light level, HVAC output, constant-lighting control, light output 4x, air pressure, humidity output, presence output, day / night function, dew point, VOC, temperature output
Angle of coverage	360°
True Presence detection	Ø 9 m
Presence detection	Ø 15 m
Motion detection	Ø 15 m
Reach digitally adjustable	yes
Interconnection	Wireless interconnection via Bluetooth
Sensor detection variables	True Presence®, brightness, temperature, humidity, air pressure, volatile organic compounds (VOC), CO ₂
Twilight setting	2 - 1000 lx
Time setting	0 - 255 min
IP rating	IP20
Temperature range	0 to +40°C
Enclosure	UV-resistant plastic



True Presence Multisensor KNX detection zone
Possible mounting height: 2 - 12 m
Orange: True Presence
Black: movement and presence



UV-resistant plastic



Configuration via Bluetooth and app



Digital high-frequency sensor system



Multisensor Air KNX

Concentrating on a healthy interior climate.

The True Presence® product family sets new standards.

This is complemented by sensors which reliably and easily provide the system with additional information. The Multisensor AIR KNX specialises in measuring air, brightness and temperature. Without True Presence® detection but featuring the same exceptional design, it goes perfectly with the modern ceiling look in contemporary buildings. The sensor with a sense for a good atmosphere.



brightness



temperature



air humidity



air pressure



VOC

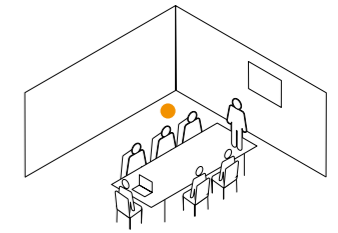
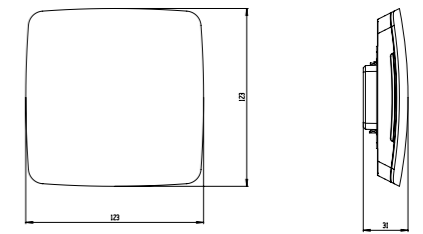


CO₂



manufacturer's warranty

EAN Multisensor Air KNX	4007841 056346
Type	Multisensor
Dimensions (H x W x D)	123 x 123 x 31 mm
Power supply	KNX bus voltage
Where to use	Indoors
Installation	Ceiling
Mounting height	2 - 12m
KNX functions	Comfort, CO ₂ , light level, HVAC output, air pressure, humidity output, dew point, temperature output, VOC, photo-cell controller
IP rating	IP20
Sensor detection variables	Brightness, temperature, humidity, air pressure, volatile organic compounds (VOC), CO ₂
Temperature range	0 to +40°C
Enclosure	UV-resistant plastic



Multisensor Air KNX detection zone
Possible mounting height: 2 - 12m
6 sensor detection variables
for customised measurements



UV-resistant plastic



Configuration via Bluetooth and app



Hallway

**The specialist for long hallways and aisles.
The better hallway sensor knows more.**

Direction of movement (coming and going) as well as if someone is on the left or the right. And this with a detection zone of 25 m. Naturally, the reach can also be adjusted in both directions. It provides more information than any other hallway sensor. Bluetooth technology ensures that the Hallway can be configured and interconnected into existing networks conveniently. And the distinguished design makes it an important member of the true presence® family.



360°



max. 25 x 3 m

2000w
max.



2-4 m



2-1000 lux



5 sec-15 min

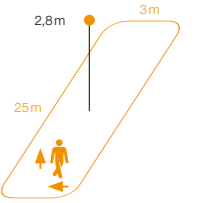
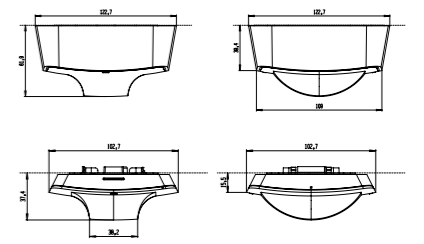


0-255 min
KNX-Version

5 JAHRE
GARANTIE
manufacturer's warranty



EAN Hallway COM1, surface-mounted	4007841 057978
EAN Hallway COM1, concealed	4007841 057985
EAN Hallway COM2, surface-mounted	4007841 057992
EAN Hallway COM2, concealed	4007841 058005
EAN Hallway DALI, surface-mounted	4007841 058012
EAN Hallway DALI, concealed	4007841 058029
EAN Hallway KNX, concealed	4007841 058036
Type	Presence detector
Dimensions (HxWxD), concealed	102.7 x 102.7 x 66.5 mm
Dimensions (HxBxT), surface-mounted	122.7 x 122.7 x 61.9 mm
Power supply COM1/COM2/DALI	220-240 V, 50 / 60 Hz
KNX power supply	KNX bus voltage
Sensor type	High frequency
Where to use	Indoors
Installation	Ceiling
Mounting height	2-4 m
Recommended mounting height	2.8 m
Output COM1/COM2	max. 2000 W, max. 8 fluorescent lamps / LED lamps, C ≤ 176 µF
Output DALI	Output COM2: max. 230 W / 230 V, max. 1 A broadcast + addressable for 64 electronic ballasts
KNX functions	1 x 2-conductor DALI-control line/ Direction of movement, photo-cell controller, basic light level function, light level, HVAC output, constant-lighting control, light output 4x, humidity output, presence output, day / night function, dew point, temperature output
Angle of coverage	Corridor, both directions
Reach	Min. 3 x 2 m, max. 3 x 12.5 m in each direction
Reach digitally adjustable	yes
Interconnection	Wireless interconnection via Bluetooth
Twilight setting	2-1000lx
Time setting	COM1 / COM2 / DALI 0 sec-30 min, KNX: 0-255 min
IP rating	Concealed: IP20 / surface-mounted: IP54
Temperature range	-20 to +50°C; 0 to +40°C (KNX)
Enclosure	UV-resistant plastic



Hallway detection zone
Possible mounting height: 2-4 m
Orange: radial and tangential



UV-resistant plastic



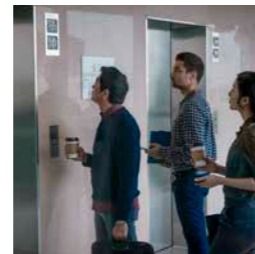
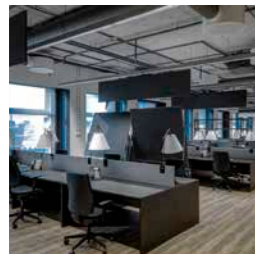
Configuration via Bluetooth and app



HPD2

**We taught our sensor how to count.
And you have no idea about all the things made possible by this.**

What is happening where? How great would that be when a sensor could tell you that. The HPD2 with optical presence technology can. Anywhere where you want to know how many people are present at a certain location, the HPD2 can provide the appropriate information. Information in a dimension that still is to fully explored. Digitalisation and interconnection in building automation is gathering ever more speed. This includes sensory organs that make it possible to analyse specific zones. How many employees are in the office? Who is sitting where? Are there many people waiting at the lifts? What is the frequency in the stairways? Is there a queue at the check-out? There are an infinite number of examples that show how important it will be to know more and more within the building. The right information is not only needed for interaction within the building management system, but also for improving organisation and optimising processes. The HPD2 can deliver this information. reliably and precisely.



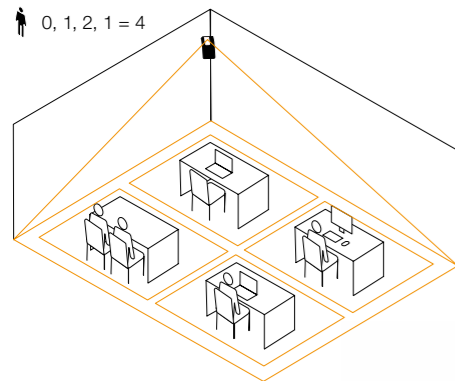
Optical sensors deliver information on the number and position of people.



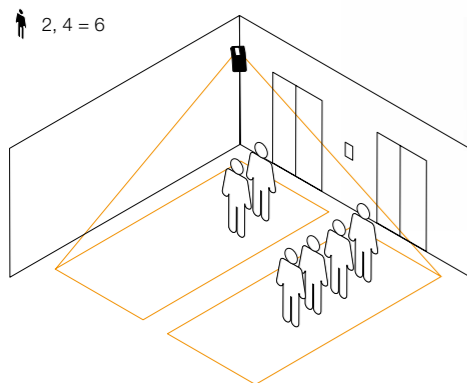
The new HPD2 at a glance.

HPD2 One sensor, five zones and many good reasons for optical sensors.

Saving energy, optimising costs, creating an atmosphere, protecting health, promoting motivation, improving processes, enhancing satisfaction, analysing failures, protecting resources, ...
Once you grasp the concept you begin to understand why we just had to develop the HPD2. It goes way beyond simple illumination. It's about information and analysing it.



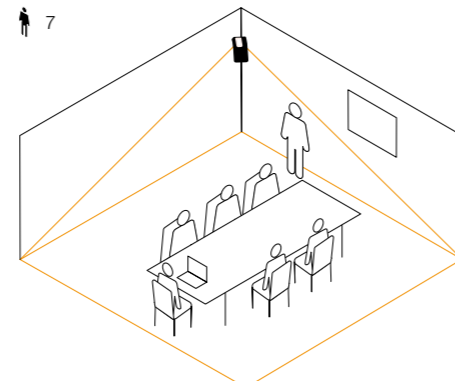
Areas can be divided into a total of 5 detection zones.



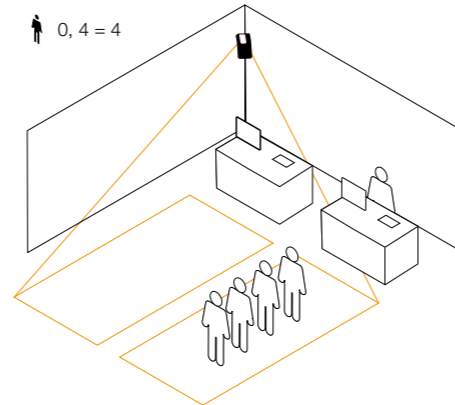
Live information on capacity utilisation and frequency.



What? How many? Where? When?
More intelligence with optical multi-sensor systems.



Reliable detection of the number of people in a room.



Providing data for analysing situations.



1. Organising flexible workplaces.

One workstation in a large city can cost € 10,000 a year and more. And sometimes not even half of these workstations are effectively occupied. The Desk Sharing solution lets you know at a glance where places are still available. Idea: increase utilisation rate and save money.



2. Managing conference rooms.

Which conference rooms are available? Which are occupied? Where is the meeting? Our Meeting Room solution allows you to quickly and reliably detect the utilisation and can even provide information on how many people are in the respective room.



3. Efficient lift management.

Put an end to long waiting times at the lift! HPD2 tells you exactly whether one person or ten people are waiting for the lift. And how many people are currently in it. This way, for instance, a full lift can pass by floors and then return to them as quick as possible when empty.



4. Optimising queues.

Nobody likes to stand in a queue. Neither at the supermarket nor at lunch in the cafeteria. The Waiting Line solution opens new checkouts and allocates personnel to eliminate queues as quickly as possible.

HPD2

What? How many? Where? When?

More intelligence with optical multi-sensor systems.

The world's best specialists and universities have developed this system, which 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, it can also count them. No matter whether they are moving about or not. At the heart of the person sensor is innovative 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. 10 m



2,3-6m



movement



presence



brightness



temperature



air humidity



number of people



2-2000 lux



IP20

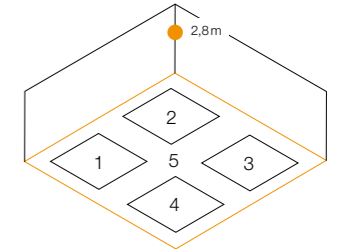
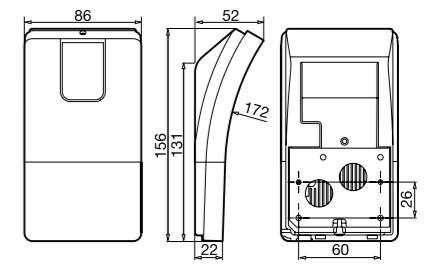


energy saving

5 JAHRE
GARANTIE

manufacturer's warranty

EAN HPD2, Ethernet (IP) 4007841 033965
 EAN HPD2, KNX 4007841 033200
 Type Human presence detector
 Dimensions (H x W x D) 156 x 86 x 52 mm
 Power supply KNX bus voltage +
 additional voltage of 18-57 V DC, 130 mA bus current
 IP: Power over Ethernet (PoE)
 Sensor type optical sensor
 Where to use Indoors
 Installation Wall, corner
 Mounting height 2.3-6m
 Recommended mounting height 2.8m
 Angle of coverage 110°
 Detection limitation Capability of defining zones
 Reach max. radius 10 m
 (precision adjustment via zoning (max. 10 zones IP/ 5 zones KNX))
 Communication objects HPD 2
 KNX twisted pair: Light channel with constant-lighting control per zone
 Number of people present For up to 5 zones (KNX), 10 zones (IP)
 Threshold control Possible
 Output of temperature, humidity and light level
 Presence output Output of values cumulated for all zones
 IP (via Rest-API/MQTT)
 Output of gathered sensor data Total number of persons / per zone
 Light level total / per zone
 Presence, temperature, humidity, brightness
 Twilight setting 2-2000 lx
 Time setting 1-255 min
 IP rating IP20
 Temperature range 0 to +40°C
 Material UV-resistant plastic
 Accessories included Corner wall mount



HPD2 KNX detection zone
Possible mounting height: 2.3-6m
Configuration of up to 5 zones





IR Quattro HD

CONTROL
PRO
SYSTEM



IR Quattro HD

IR Quattro

IR Quattro MICRO

IR Quattro SLIM XS

IR Quattro SLIM

Indoors	•	•	•	•	•
In-ceiling inst.	•	•	•	•	•
On-ceiling inst.	•	•			
COM1	•	•	•	•	•
COM1, surface-mounted	•	•			
COM2	•	•			•
DIM	•	•			•
KNX	•	•	•	•	•
DALI	•	•			•
DALI plus	•				
DALI-2	•		•	•	
LiveLink	•			•	
Mounting height	2.5–10m	2.5–8m	2–5m	2.5–4m	2.5–4m
IR switching zones	4800	1760	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. 6x6 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	112	114	118	120	122

**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.

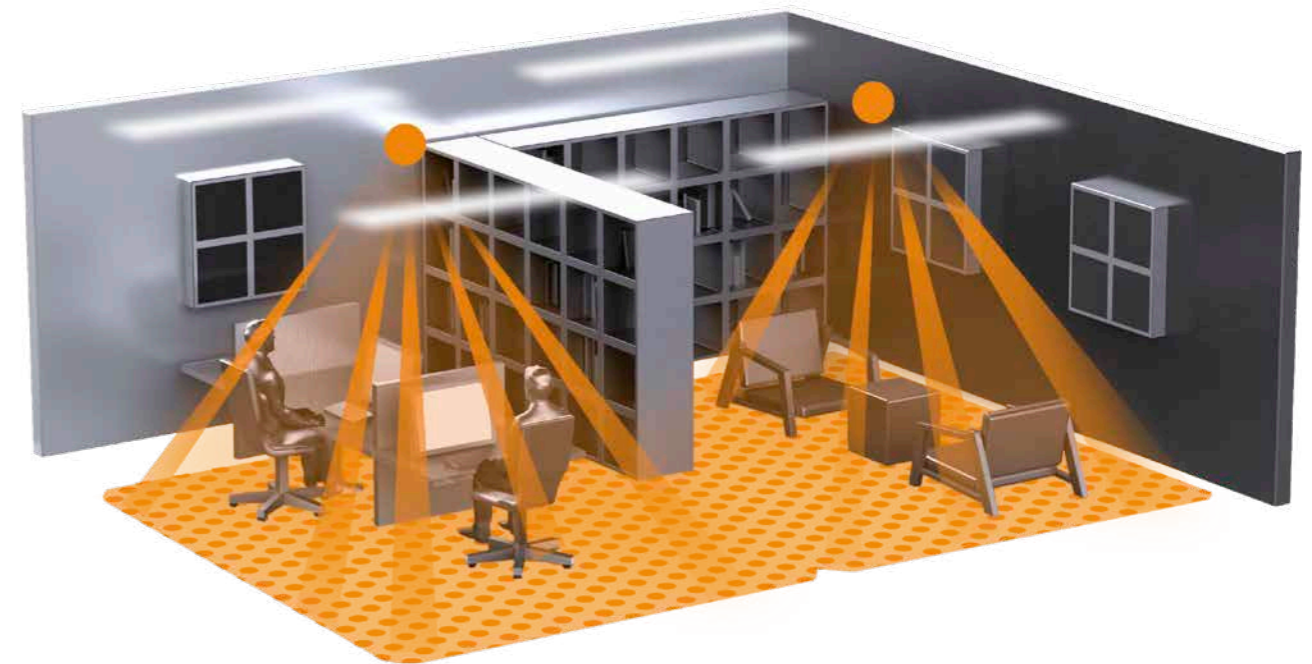
CONTROL PRO SYSTEM

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.

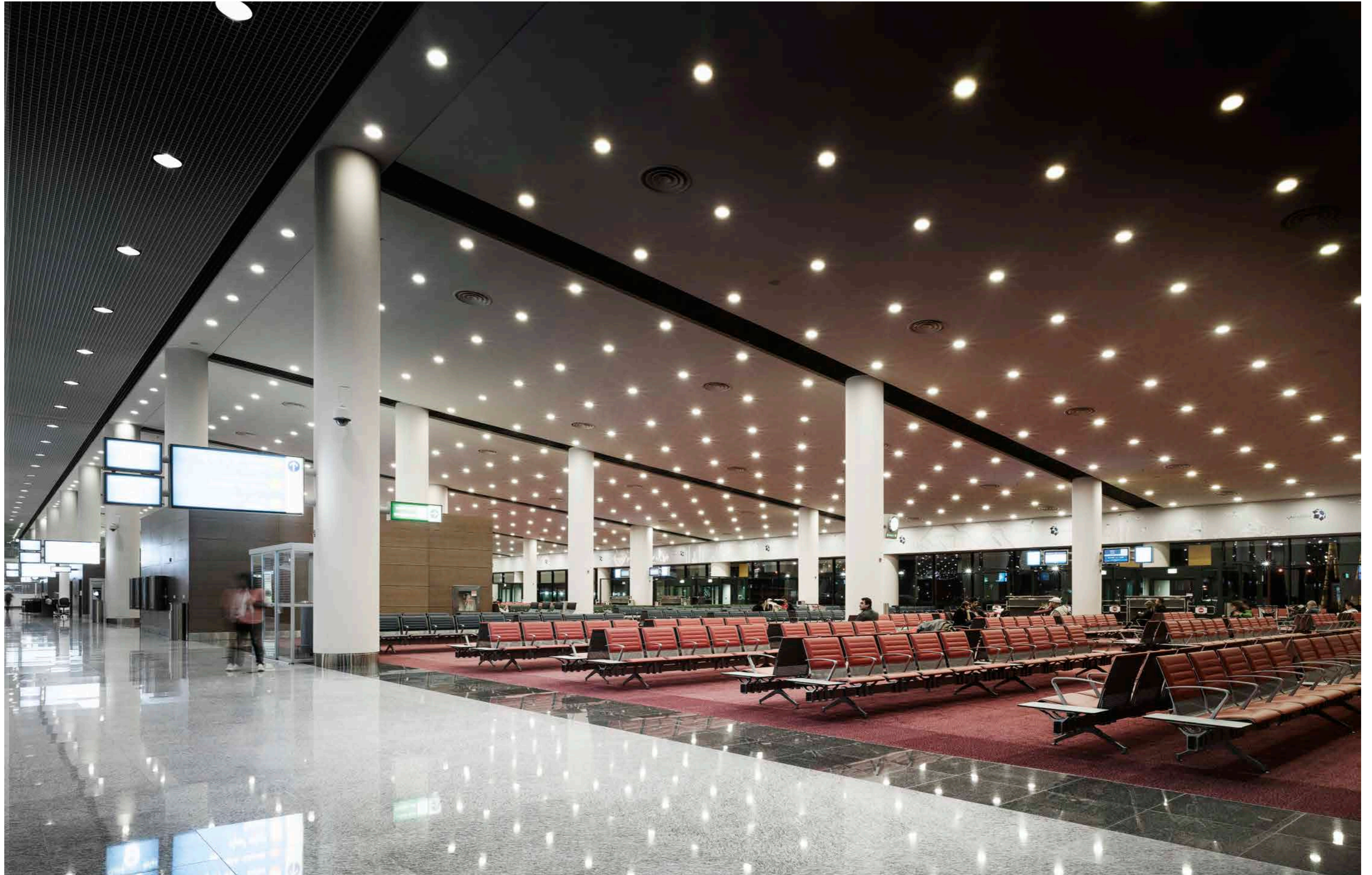
Two of the four infrared presence detector types have mechanically scalable, square-shaped detection zones. And the extremely high-definition sensor system is sure to detect the tiniest of movements: no other system in the world can compete with the 4800 switching zones of the IR Quattro HD. DSP (Digital 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 can be planned and configured with absolute precision in medium to large-size offices, conference and meeting rooms, class rooms and lecture theatres as well as sports halls and warehouses. Something others can only dream of.

CONTROL
PRO
SYSTEM



Infrared sensor
360°



max. 8 m x 8 m
presence

HD

4800 zones

2000w

max.

DIM

1-10 V



2 channels



2,5-10 m



iQ-mode



energy
saving

5 JAHRE
GARANTIE

manufacturer's
warranty

EAN IR Quattro HD, COM1	4007841 002794
EAN IR Quattro HD, COM1, surface-mounted	4007841 592400
EAN IR Quattro HD, COM2	4007841 002770
EAN IR Quattro HD, DALI	4007841 002756
EAN IR Quattro HD, DALI-2	4007841 057497
EAN IR Quattro HD, DALI plus	4007841 035204
EAN IR Quattro HD, DALI plus, surface-mounted	4007841 035273
EAN IR Quattro HD, DIM	4007841 002787
EAN IR Quattro HD, KNX	4007841 058470
EAN IR Quattro HD, LiveLink	4007841 009717



You will find information on the interfaces as well as wiring diagrams from page 142 onwards.

Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 76 mm
Dimensions (H x W x D), surface-mounted	120 x 120 x 65 mm
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Mounting height	2.5 - 10 m
Recommended mounting height	2.8 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

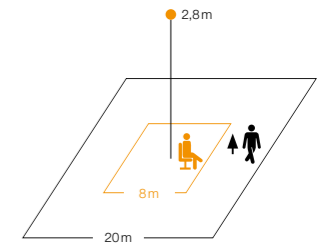
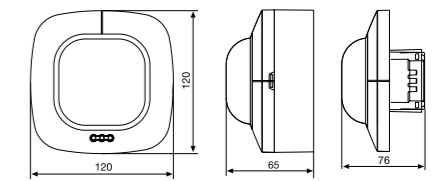
Optional accessories

EAN User remote control RC5	4007841 592806
EAN Service remote control RC8	4007841 559410
EAN Remote control Smart Remote	4007841 009151
EAN surf.-mount. adapter, Control PRO, surf.-mount. Box	4007841 000363
EAN guard cage	4007841 003036
EAN Ceiling box Ø68 mm	4007841 052812

Refer to the 'Accessories' section for further information.

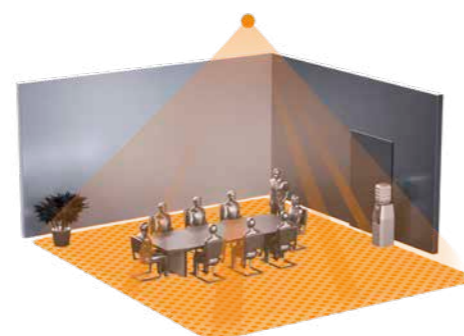


Surface-mounted
version (AP)



IR Quattro HD detection zone
Possible mounting height: 2.5 - 10 m
Orange: presence and radial
Black: tangential

Wiring diagrams from page 142



4 pyros with DSP
(Digital Signal
Processing)



Optional remote
controls refer to
page 300



For optional surface-
mounted adapter
(IP54, KNX),
refer to page 300



Optional guard cage
refer to page 300





IR Quattro

More than a presence detector. Squaring the circle.

Providing 1,760 switching zones, its sets new standards in detection quality - especially in small 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

DALI
2 channels

KNX

 2,5 - 8 m

TEACH
mode

iQ
IQ-mode

 energy
saving

5 JAHRE
GARANTIE
manufacturer's
warranty

EAN IR Quattro, COM1	4007841 000349
EAN IR Quattro, COM1, surface-mounted	4007841 592301
EAN IR Quattro, COM2	4007841 000356
EAN IR Quattro, DALI	4007841 002749
EAN IR Quattro, DIM	4007841 002718
EAN IR Quattro, KNX	4007841 058487



You will find information on the interfaces as well as wiring diagrams from page 142 onwards.

Type	Presence detector
Dimensions (H x W x D), concealed	120 x 120 x 76 mm
Dimensions (H x W x D), surface-mounted	120 x 120 x 71 mm
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Mounting height	2.5-8 m
Recommended mounting height	2.8 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

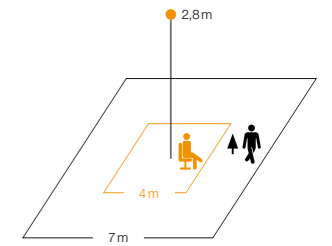
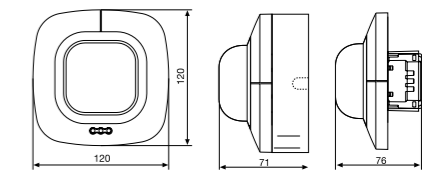
Optional accessories

EAN User remote control RC5	4007841 592806
EAN Service remote control RC8	4007841 559410
EAN Remote control Smart Remote	4007841 009151
EAN surf.-mount. adapter, Control PRO, surf.-mount. Box	4007841 000363
EAN guard cage	4007841 003036
EAN Ceiling box Ø68 mm	4007841 052812

Refer to the 'Accessories' section for further information.



Surface-mounted
version (AP)



IR Quattro detection zone
Possible mounting height: 2.5 - 8 m
Orange: presence
Black: tangential

Wiring diagrams from page 142



Optional remote controls refer to page 300



For optional surface-mounted adapter (IP54, KNX), refer to page 300



Optional guard cage refer to page 300





The IR Quattro MICRO does its job in offices and small rooms of up to 16 m². Thanks to the IP65 protection, it is also approved for use in rooms exposed to moisture and is also VDE-certified.

IR Quattro MICRO

Small, precise and effective.

Required by planners and architects, made by STEINEL.

The IR Quattro MICRO fulfills many wishes. Its small size and the low profile design make it perfect for applications where installations mustn't be allowed to interfere with the look of a ceiling. The size of the micro-precision lens is just 15 x 15 mm. Yet despite this size, its performance is nothing short of stunning. The 360° infrared presence detector covers 36 m². And with IP65 classification, you can install it in rooms exposed to moisture.

The IR Quattro MICRO – our smallest detector with huge potential.

CONTROL
PRO
SYSTEM



Infrared sensor
360°



max. 4 m x 4 m
presence

1000w
max.



2-5 m

TEACH
mode



iQ
IQ-mode



energy
saving

5 JAHRE
GARANTIE
manufacturer's
warranty

EAN IR Quattro MICRO, COM14007841 053789
EAN IR Quattro MICRO, DALI-24007841 053871
EAN IR Quattro MICRO, KNX 4007841 053864

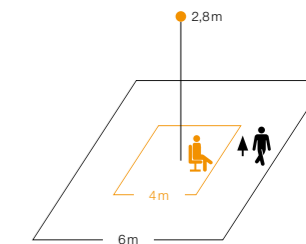
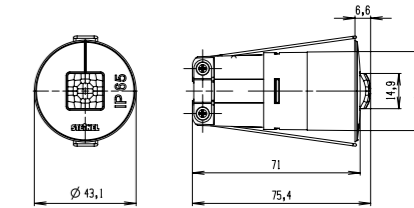


You will find information on the interfaces as well as wiring diagrams from page 142 onwards.

Type Presence detector
Dimensions (ØxH) Ø43.1 x 75.4 mm
Cable grip Ø32.6 (33.5) x 100 mm
Power supply 220 - 240 V, 50 / 60 Hz
Sensor type Passive infrared
Where to use Indoors
Installation Ceiling
Mounting height 2-5 m
Recommended mounting height 2.8 m
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. 6 x 6 m (36 m²)
Parallel-connected configurations Master/master, master/slave
User-friendly setting Teach-In (with optional remote control RC8)
Twilight setting 2 - 1000 lx, ∞/daylight
IQ mode Yes
IP rating IP65
Temperature range -25 to +55°C
Enclosure UV-resistant plastic (casing), HDPE (lens)

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.



IR Quattro MICRO detection zone
Possible mounting height: 2-5 m
Orange: presence and radial
Black: tangential

Wiring diagrams from page 142

Presence
Detectors



Optional remote controls refer to page 300



Slim overall height



In-ceiling installation



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 office 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



Infrared sensor
360°



max. 4 m x 4 m
presence

1000w
max.



LiveLink



2,5 - 4m



2-1000 lux with
smart remote



5 sec - 60 min with
Smart Remote

TEACH
mode
with RC8

iQ
IQ mode

5 JAHRE
GARANTIE
manufacturer's
warranty

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

EAN COM14007841 0329514007841 035211
 EAN DALI-2.....4007841 0575104007841 057527
 EAN KNX4007841 0585004007841 058517
 EAN LiveLink4007841 0330404007841 035235

You will find information on the interfaces as well as wiring diagrams from page 142 onwards.

Type Presence detector
 Power supply 220-240V, 50/60Hz
 Sensor type Passive infrared
 Where to use Indoors
 Installation Ceiling
 Mounting height 2.5-4 m
 Recommended mounting height 2.8m
 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

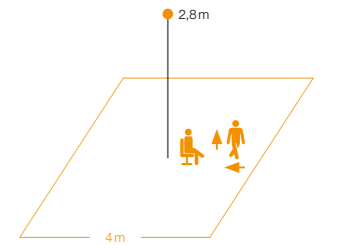
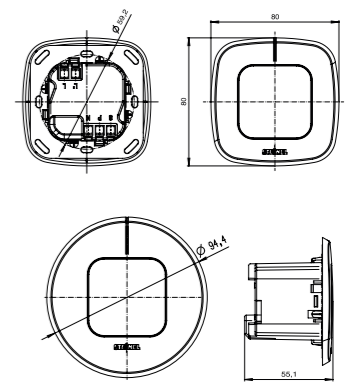
EAN User remote control RC54007841 592806
 EAN Service remote control RC84007841 559410
 EAN Remote control Smart Remote 4007841 009151
 Refer to the 'Accessories' section for further information.



square



round



IR Quattro SLIM XS detection zone
 Possible mounting height: 2.5-4 m
 Orange: presence, tangential and radial

Wiring diagrams from page 142



Extremely slim
overall height



High-quality
retina lens



Can only be set using
optional remote con-
trols, see page 300

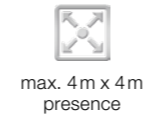


IR Quattro SLIM

**True 16 m² of presence detection.
Condensed into 4 mm.**

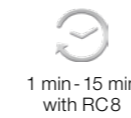
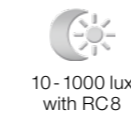
Sensor technology is a must in many buildings today. But not without aesthetic appeal, please! This is precisely where the IR Quattro SLIM infrared presence detector comes in. With an overall height of just 4 mm, it can be installed almost flush with the ceiling where it remains practically invisible 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



TEACH
mode
with RC8

iQ
IQ mode

5 JAHRE
GARANTIE
manufacturer's
warranty

EAN IR Quattro SLIM, COM1	4007841 593414
EAN IR Quattro SLIM, COM2	4007841 593513
EAN IR Quattro SLIM, DIM	4007841 593612
EAN IR Quattro SLIM, DALI	4007841 005795
EAN IR Quattro SLIM, KNX	4007841 058494



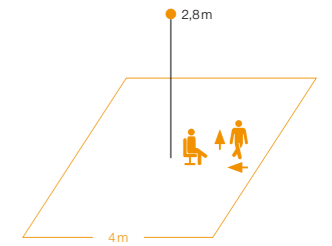
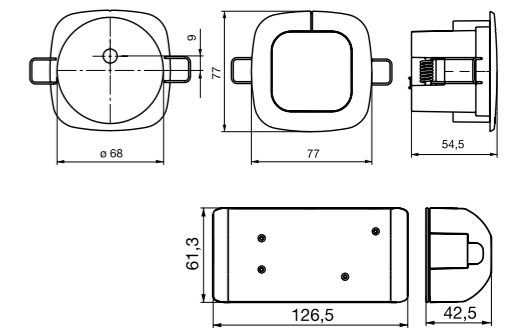
You will find information on the interfaces as well as wiring diagrams from page 142 onwards.

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	120-250V, 50/60Hz
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Mounting height	2.5-4 m
Recommended mounting height	2.8 m
Parallel connection capability	Yes
Square detection zone, presence	max. 4 x 4 m (16 m ²)
Square detection zone, radial	max. 4 x 4 m (16 m ²)
Square detection zone, tangential	max. 4 x 4 m (16 m ²)
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 RC5	4007841 592806
EAN Service remote control RC8	4007841 559410
EAN Remote control Smart Remote	4007841 009151
EAN 6m extension cable	4007841 006419

Refer to the 'Accessories' section for further information.



IR Quattro SLIM detection zone
Possible mounting height: 2.5-4 m
Orange: presence, tangential and radial

Wiring diagrams from page 142



Extremely slim
overall height



High-quality
retina lens



Can only be set using
optional remote con-
trols, see page 300



CONTROL
PRO
SYSTEM



HF 360



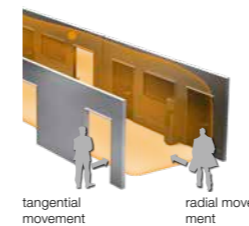
Dual HF

Indoors	•	•
In-ceiling installation	•	•
On-ceiling installation	•	•
COM1	•	•
COM1, surface-mounted	•	•
COM2	•	
DIM	•	•
DALI	•	•
DALI-2	•	•
LiveLink	•	•
KNX	•	•
Mounting height	2.5–3.5m	2.5–3.5m
Detection zone	Ø 1 – 12 m	3 x 20 m
Page	128	130



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.**

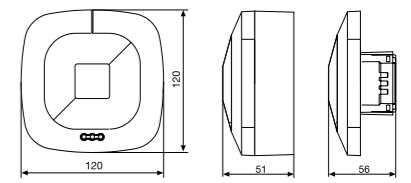
STEINEL's not only the pioneer of high-frequency sensor technology but also the first to use it successfully for presence detectors. With a whole host of benefits, specifically for applications in public areas, such as WC cubicles. Because HF works without any lens, the HF 360 is extremely slim and bears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

**CONTROL
PRO
SYSTEM**



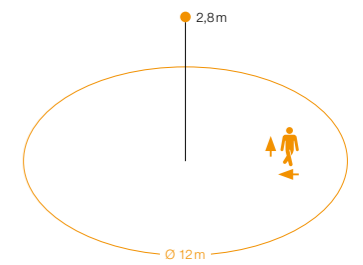
-  high frequency sensor 360°
-  max. Ø 12m
- 2000w**
max.
- DIM**
1-10 V
-  2 channels
- 
- 
-  2,5-3,5m
- TEACH**
mode
- iQ**
IQ mode
-  energy saving
- 5 JAHRE GARANTIE**
manufacturer's warranty

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, DALI-2	4007841 057480
EAN HF 360, DIM	4007841 002831
EAN HF 360, KNX	4007841 059484
EAN HF 360, LiveLink	4007841 033972



You will find information on the interfaces as well as wiring diagrams from page 142 onwards.

Type	Presence detector
Dimensions (H x W x D), concealed	120 x 120 x 56 mm
Dimensions (H x W x D), surface-mounted	120 x 120 x 51 mm
Sensor type	High frequency
Where to use	Indoors
Installation	Ceiling
Mounting height	2.5-3.5 m
Recommended mounting height	2.8 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 12 m, 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
Possible mounting height: 2.5-3.5 m
Orange: radial and tangential

Wiring diagrams from page 142

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 surf.-mount. adapter, Control PRO, surf.-mount. Box	4007841 000363
EAN guard cage	4007841 003036
EAN Ceiling box Ø68 mm	4007841 052812

Refer to the 'Accessories' section for further information.



Surface-mounted version (AP)



Optional remote controls refer to page 300



For optional surface-mounted adapter (IP54, KNX), refer to page 300



Optional guard cage refer to page 300



HF ceiling adapter for installation on 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



2 channels



2.5-3.5m



iQ mode

TEACH

mode



energy
saving

5 JAHRE
GARANTIE

manufacturer's
warranty

EAN Dual HF, COM1	4007841 002978
EAN Dual HF, COM1, surface-mounted	4007841 590703
EAN Dual HF, DALI	4007841 003005
EAN Dual HF, DALI-2	4007841 057459
EAN Dual HF, DIM	4007841 002985
EAN Dual HF, KNX	4007841 059477
EAN Dual HF, LiveLink	4007841 009700



You will find information on the interfaces as well as wiring diagrams from page 142 onwards.

Type	Presence detector
Dimensions (H x W x D), concealed	120 x 120 x 75 mm
Dimensions (H x W x D), surface-mounted	120 x 120 x 70 mm
Sensor type	High frequency
Where to use	Indoors
Installation	Ceiling, corridor
Mounting height	2.5-3.5 m
Recommended mounting height	2.8 m
Angle of coverage	Corridor, both directions
	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

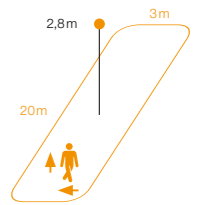
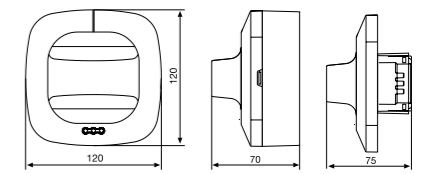
Optional accessories

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, surface-mounted Box	4007841 000363
EAN ceiling adapter for suspended ceilings	4007841 006600
EAN guard cage	4007841 003036
EAN Ceiling box Ø68 mm	4007841 052812

Refer to the 'Accessories' section for further information.

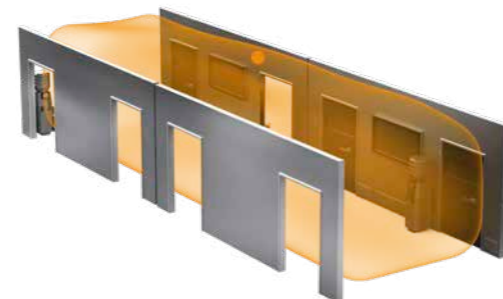


Surface-mounted
version (AP)



Dual HF detection zone
Possible mounting height: 2.5-3.5 m
Orange: radial and tangential

Wiring diagrams from page 142



Optional remote
controls refer to
page 300



For optional surface-
mounted adapter
(IP54, KNX),
refer to page 300



Optional guard cage
refer to page 300



HF ceiling adapter
for installation on
suspended ceilings



STEINEL ultrasonic technology.
The USA standard.



DualTech

Presence
Detectors

CONTROL
PRO
SYSTEM



DualTech



US 360



Dual US



Single US

Indoors	•	•	•	•
COM1	•	•	•	•
COM2	•	•	•	•
DALI-2	•	•	•	•
DIM	•	•	•	•
KNX	•	•	•	•
LiveLink	•	•	•	•
Sensor	Ultrasonic + PIR	Ultrasonic	Ultrasonic	Ultrasonic
Mounting height	2.5–3.5m	2.5–3.5m	2.5–3.5m	2.5–3.5m
Detection zones	Presence: Ø6m	Presence: Ø6m	Radial: max. 3x20 m Tangential: max. 3x20 m	Radial: max. 3x10 m Tangential: max. 3x 10 m
Page	134	136	138	140

**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.

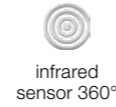
The ultrasonic waves (40kHz) are actively emitted from the sensor and completely fill the respective room. They permeate into every last corner, enveloping objects that are present in the room. The sensor identifies movement in the room even if there is no visual contact between sensor and person. The 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.

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

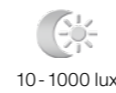
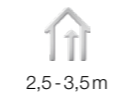


2000w
max.

DIM
1-10V



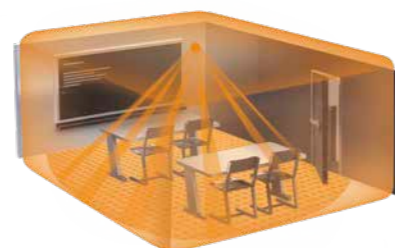
LiveLink



TEACH
mode



5 JAHRE
GARANTIE
manufacturer's warranty



EAN DualTech, COM1	4007841 007997
EAN DualTech, COM2	4007841 008000
EAN DualTech, DALI-2	4007841 057473
EAN DualTech, DIM	4007841 008017
EAN DualTech, KNX	4007841 059521
EAN DualTech, LiveLink	4007841 008451



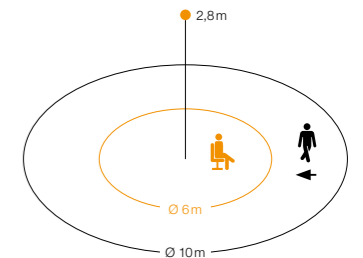
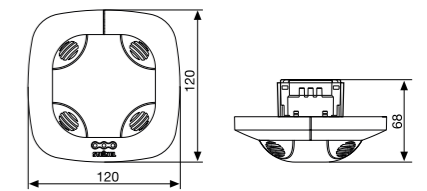
You will find information on the interfaces as well as wiring diagrams from page 142 onwards.

Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 68 mm
Power supply	220-240V, 50/60Hz
Sensor type	Ultrasonic 40KHz and passive infrared
Where to use	Indoors
Installation	Ceiling
Mounting height	2.5-3.5m
Recommended mounting height	2.8m
Angle of coverage	360°
Reach, US	Ø10m radial, Ø6m presence / tangential
Reach, PIR	3x3m presence
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (with optional remote control RC8)
Twilight setting	10-1000lx
Twilight setting DIM	100-1000 lx, ∞/daylight
IP rating	IP20
Temperature range	-25 to +55°C
Enclosure	UV-resistant plastic, paintable

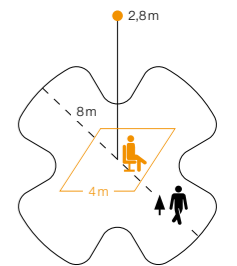
Optional accessories

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 Ceiling box Ø68 mm	4007841 052812

Refer to the 'Accessories' section for further information.



DualTech US detection zone
Possible mounting height: 2.5 - 3.5 m
Orange: presence and tangential
Black: radial



DualTech PIR detection zone
Possible mounting height: 2.5 - 3.5 m
Orange: presence and radial
Black: tangential

Wiring diagrams from page 142

Presence Detectors

Optional remote controls refer to page 300



For optional surface-mounted adapters, refer to page 300



Optional guard cage refer to page 300



US 360

Detects without obstructions.
Space-filling and sensitive.

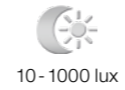
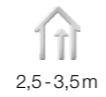
Oddly shaped architecture, partition walls or other obstacles present insurmountable difficulties to some sensors. Yet the US 360's dynamic all-round precision detection capability works with absolute reliability behind objects too. Across a radius of 6 metres all round. Even in extreme temperatures.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

CONTROL
PRO
 SYSTEM



2000w
max.

DIM
1 - 10V



TEACH
mode



5 JAHRE
GARANTIE
manufacturer's warranty



EAN US 360, COM1	4007841 007935
EAN US 360, COM2	4007841 007942
EAN US 360, DALI-2	4007841 057534
EAN US 360, DIM	4007841 007959
EAN US 360, KNX	4007841 059514
EAN US 360, LiveLink	4007841 008444



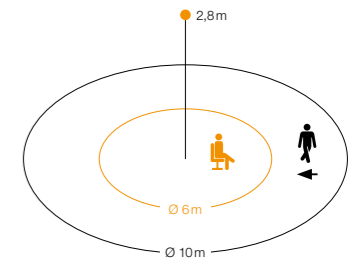
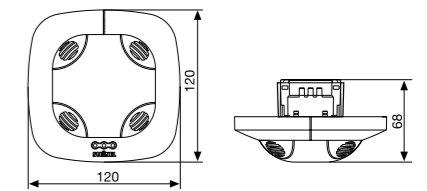
You will find information on the interfaces as well as wiring diagrams from page 142 onwards.

Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 68 mm
Power supply	220 - 240V, 50/60Hz
Sensor type	Ultrasonic 40 kHz
Where to use	Indoors
Installation	Ceiling
Mounting height	2.5 - 3.5 m
Recommended mounting height	2.8 m
Angle of coverage	360°
Reach	Ø10m radial, Ø6m presence / tangential
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (with optional remote control RC8)
Twilight setting	10 - 1000lx
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 Ceiling box Ø68 mm	4007841 052812

Refer to the 'Accessories' section for further information.



US 360 detection zone
 Possible mounting height: 2.5 - 3.5 m
 Orange: presence and tangential
 Black: radial

Wiring diagrams from page 142

Presence Detectors

Optional remote controls refer to page 300



For optional surface-mounted adapters, refer to page 300



Optional guard cage refer to page 300



Dual US

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

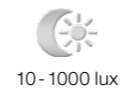
Switching light on and off with maximum precision in long passageways and corridors. Because all objects can be clearly detected. Thanks to ultrasonic technology, that's not a problem for the Dual US. Installed at a height of 2.5–3.5 metres, the presence detector identifies even the smallest of movements – 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



2000w
max.

DIM
1 - 10V



TEACH
mode

iQ
IQ-mode



5 JAHRE
GARANTIE
manufacturer's warranty

EAN Dual US, COM1	4007841 007843
EAN Dual US, COM2	4007841 007850
EAN Dual US, DALI-2	4007841 057466
EAN Dual US, DIM	4007841 007867
EAN Dual US, KNX	4007841 059491
EAN Dual US, LiveLink	4007841 008420



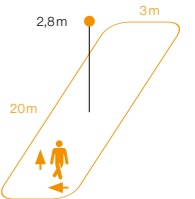
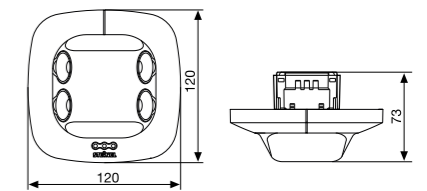
You will find information on the interfaces as well as wiring diagrams from page 142 onwards.

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
Mounting height:	2.50 - 3.50 m
recommended mounting height:	2.80 m
Angle of coverage	Corridor, both directions
Reach	max. 10 x 3 m in each direction
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (with 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 Ceiling box Ø68 mm	4007841 052812

Refer to the 'Accessories' section for further information.



Dual US detection zone
Possible mounting height: 2.5 - 3.5 m
Orange: radial and tangential

Wiring diagrams from page 142



Optional remote controls refer to page 300



For optional surface-mounted adapters, refer to page 300



Optional guard cage refer to page 300



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

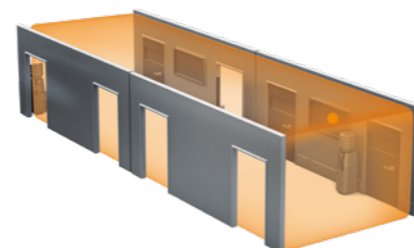
10 - 1000 lux

TEACH mode

iQ IQ-mode

energy saving

5 JAHRE GARANTIE
manufacturer's warranty



EAN Single US, COM1	4007841 007966
EAN Single US, COM2	4007841 007973
EAN Single US DALI-2	4007841 057503
EAN Single US, DIM	4007841 007980
EAN Single US, KNX	4007841 059507
EAN Single US, LiveLink	4007841 008437



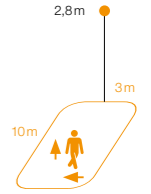
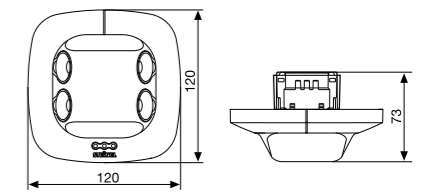
You will find information on the interfaces as well as wiring diagrams from page 142 onwards.

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
Mounting height	2.50 - 3.50 m
recommended mounting height	2.80 m
Angle of coverage	Corridor, one direction
Reach	3 x 10 m
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (with 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 ceiling box Ø68 mm	4007841 052812

Refer to the 'Accessories' section for further information.



Single US detection zone
Possible mounting height: 2.5 - 3.5 m
Orange: radial and tangential

Wiring diagrams from page 142

Presence Detectors

Optional remote controls refer to page 300



For optional surface-mounted adapters, refer to page 300



Optional guard cage refer to page 300



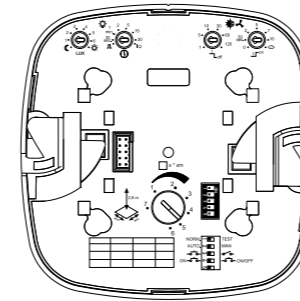
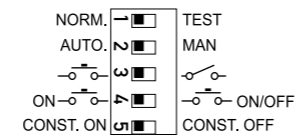
Presence Detector Interfaces

Open to all common networks. STEINEL Professional presence detectors are designed as team players. They are available either with COM1, COM2, DALI, DALI-2, 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 operating 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: Button/switch mode
- DIP 4: ON button/ON-OFF button
- DIP 5: Constant-lighting control ON-OFF (DIM/DALI)



COM2

Power supply 220–240 V; 50 / 60 Hz

Output

Incandescent / halogen lamp load	2000 W (IR Quattro SLIM XS / MICRO: 1000 W)
Fluorescent-lamp electronic ballasts	1500 W (IR Quattro SLIM XS: 400 W / MICRO: 500 W)
Fluorescent-lamps, uncorrected	1000 VA (IR Quattro SLIM XS: 500 VA / MICRO: 400 VA)
Fluorescent-lamps, series-corrected	1000 VA (IR Quattro SLIM XS: 500 VA / MICRO: 400 VA)
Fluorescent lamps, parallel-corrected	1000 VA (IR Quattro SLIM XS: 500 VA / MICRO: 400 VA)
Low-voltage halogen lamps	2000 VA (IR Quattro SLIM XS: 500 VA / MICRO: 1000 VA)
LED < 2 W	100 W (IR Quattro SLIM XS: 16 W)
2 W < LED < 8 W	300 W (IR Quattro SLIM XS: 64 W)
LED > 8 W	600 W (IR Quattro SLIM XS: 64 W)
Capacitive load	176 µF

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),

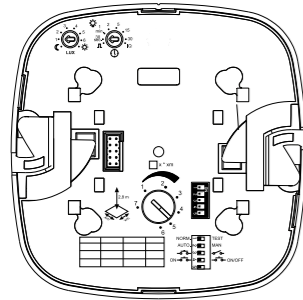
IQ mode (automatic adjustment to usage profile)

Time setting for switching contact 2

Automatic room surveillance

0 sec – 10 min ON delay,

1 min – 2 hrs stay-ON time



COM1 – COM1, surface-mounted

Power supply 220–240 V; 50 / 60 Hz

Output

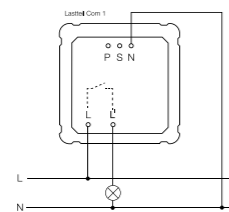
Incandescent / halogen lamp load	2000 W (IR Quattro SLIM XS / MICRO: 1000 W)
Fluorescent-lamp electronic ballasts	1500 W (IR Quattro SLIM XS: 400 W / MICRO: 500 W)
Fluorescent-lamps, uncorrected	1000 VA (IR Quattro SLIM XS: 500 VA / MICRO: 400 VA)
Fluorescent-lamps, series-corrected	1000 VA (IR Quattro SLIM XS: 500 VA / MICRO: 400 VA)
Fluorescent lamps, parallel-corrected	1000 VA (IR Quattro SLIM XS: 500 VA / MICRO: 400 VA)
Low-voltage halogen lamps	2000 VA (IR Quattro SLIM XS: 500 VA / MICRO: 1000 VA)
LED < 2 W	100 W (IR Quattro SLIM XS: 16 W)
2 W < LED < 8 W	300 W (IR Quattro SLIM XS: 64 W)
LED > 8 W	600 W (IR Quattro SLIM XS: 64 W)
Capacitive load	176 µF

Time setting 30 sec – 30 min, pulse mode (approx. 2 sec),

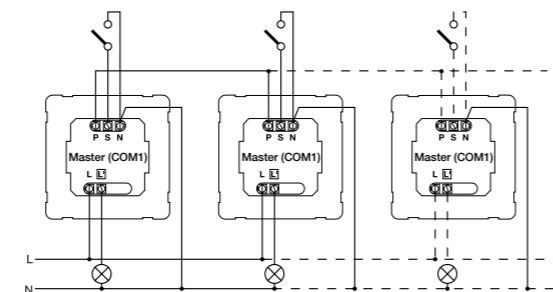
IQ mode (automatic adjustment to the usage profile)

5 sec - 60 min for IR Quattro SLIM XS / MICRO

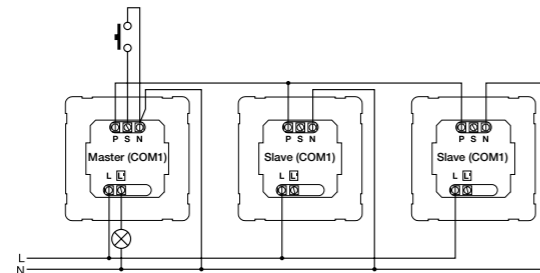
Master



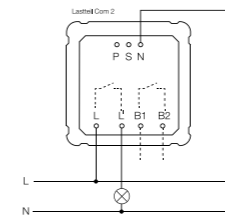
Master/master COM1



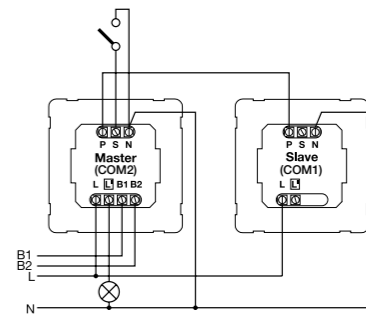
Master/slave COM1



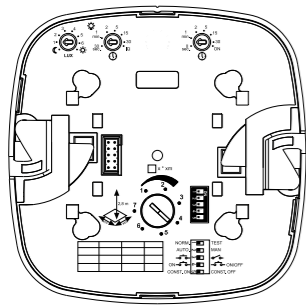
Master



Master/slave COM1



Presence Detector Interfaces



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 × (1 × 18 W), 25 × (2 × 18 W)

- 25 × (1 × 36 W), 15 × (2 × 36 W)

- 20 × (1 × 58 W), 10 × (2 × 58 W)

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,

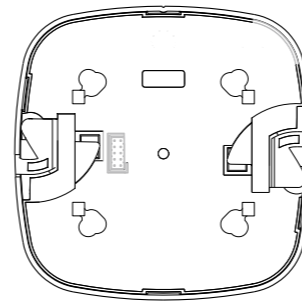
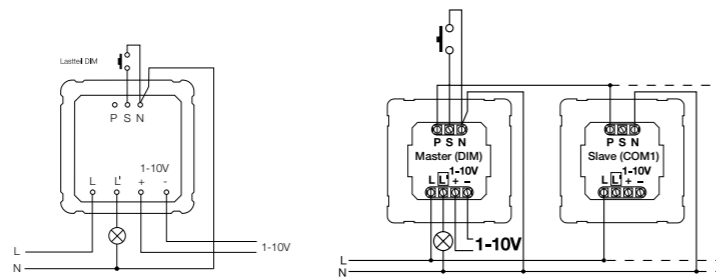
IQ mode (automatic adjustment to the usage profile)

Control output: 1 - 10 V, max. 50 electronic ballasts (max. 100 mA)

Basic light level 0 sec - 30 min, 10 - 60% via RC8

Constant-lighting control

DIM detector with slave



DALI-2

Power consumption

IR Quattro HD 6 mA / 3 DALI users, 12-22.5 V, no SELV

IR Quattro SLIM XS 3 mA / 2 DALI users, 12-22.5 V, no SELV

Dual HF 16 mA / 8 DALI users

HF 360 8 mA / 4 DALI users

US 360 17.9 mA / 9 DALI users

Single US 15 mA / 8 DALI users

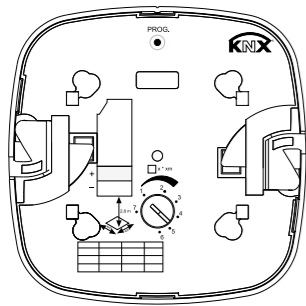
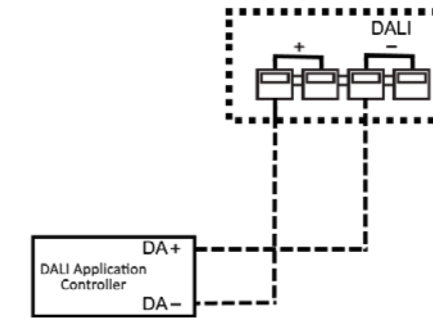
DualTech 17.5 mA / 9 DALI users

Dual US 18 mA / 9 DALI users

DALI input device

DALI control line (multi-master capability for communication with the

DALI application controller/DALI sensor), DALI startup time < 1 s



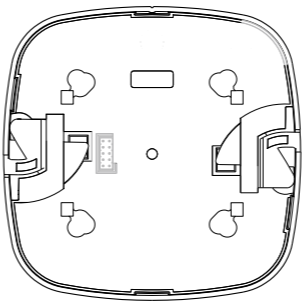
KNX

Power supply via KNX bus voltage

Settings via ETS software, remote control or bus

Functions: light output 4x, constant-lighting control, basic light level function,

presence output, HVAC output, light level, sabotage



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)

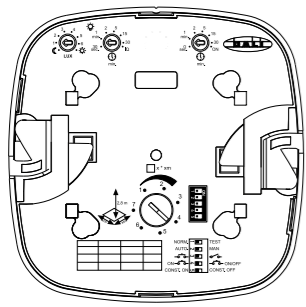
Power consumption LiveLink Box

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



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

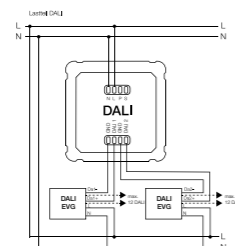
DALI output 2: 2-core DALI control cable / broadcast

Controllable DALI electronic ballasts: 12 DALI electronic ballasts per output

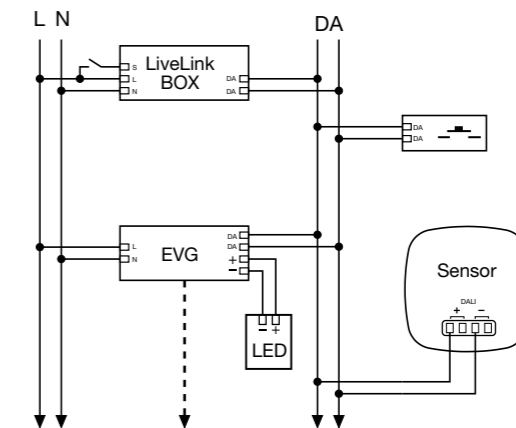
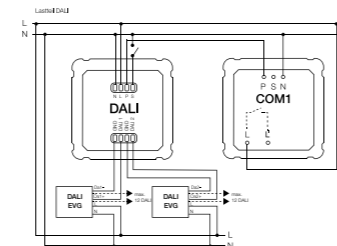
Basic light level 0 sec - 30 min, 10 - 60% via RC8

Constant-lighting control

Master



Master/slave COM1





IR 180 UNIVERSAL



IR 180



HF 180

Indoors	•	•	•
COM1		•	•
COM2		•	•
DALI		•	•
KNX		•	•
Sensor	PIR	PIR	HF
Connection	2-wire	3-wire / KNX TP	3-wire / KNX TP
Detection zones	max. 20 m	max. 20 m	max. Ø 1-8m
Page	148	150	152

**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

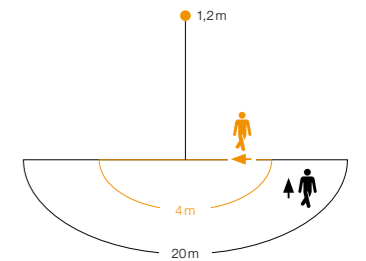
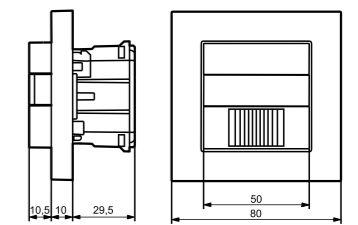
The world first for modernisation and refurbishment.

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 220-240V, 50/60Hz
 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 1.2 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 - 1000lx
 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



IR 180 UNIVERSAL detection zone
 Mounting height: 1.2 m
 Orange: radial
 Black: tangential

Optional accessories

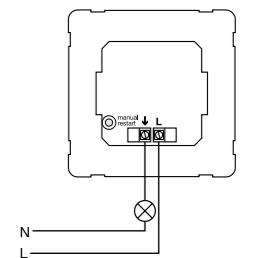
EAN Adapter for Busch-Jaeger, white 4007841 034139
 EAN Adapter for Busch-Jaeger, silver 4007841 034146
 EAN Adapter for Jung, white 4007841 034184
 EAN Adapter for Jung, silver 4007841 034177
 EAN Adapter for Feller, white 4007841 034160
 EAN Adapter for Feller, silver 4007841 034153



White



Silver

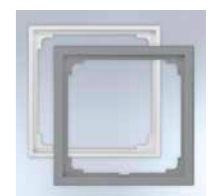


Also suitable for parallel operating mode.
 Further circuit diagrams starting on page 154

	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 058463
EAN IR 180 KNX, silver	4007841 058456



You will find information on the interfaces as well as wiring diagrams from page 154 onwards.

Type	Presence switch
Dimensions (H x W x D)	80 x 80 x 20.5 mm
Power supply	220-240V, 50/60Hz
Sensor type	Passive infrared
Where to use	Indoors
Installation	Wall
Recommended installation height	1.2 m
Output COM1, COM2	max. 2000W, max. 8 fluorescent lamps / LED lamps, C ≤ 132 µF
Output DALI	2x 2-conductor DALI control line / broadcast for 2x 12 electronic ballasts, switching mode
Angle of coverage	180°
Reach	max. 20 m
Twilight setting	2-1000lx
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

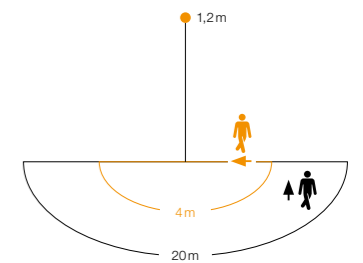
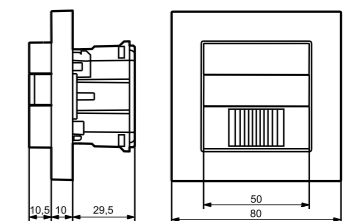
Optional accessories

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



IR 180 detection zone
Mounting height: 1.2 m
Orange: radial
Black: tangential

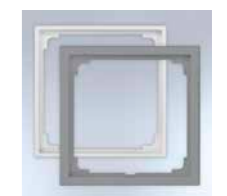
Wiring diagrams from page 154



Optional remote controls refer to page 300



Optional adapters made of UV-resistant plastic



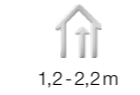
HF 180

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 058081
EAN HF 180 KNX, silver	4007841 058074



You will find information on the interfaces as well as wiring diagrams from page 154 onwards.

Type	Presence switch
Dimensions (H x W x D)	80 x 80 x 20.5 mm
Power supply	220-240V, 50/60Hz
Sensor type	High frequency
Where to use	Indoors
Installation	Wall
Mounting height	1.2-2.2 m
Recommended installation height	1.2 m
Output COM1, COM2	max. 2000W, max. 8 fluorescent lamps / LED lamps, C ≤ 132 µF
Output DALI	2x 2-conductor DALI control line / broadcast for 2x 12 electronic ballasts, switching mode
Angle of coverage	180°
Reach	max. Ø 1-8 m
Twilight setting	2-1000lx
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

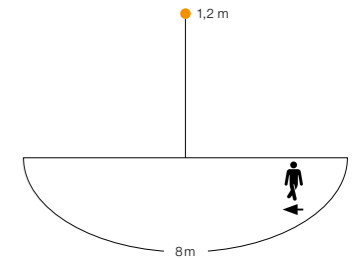
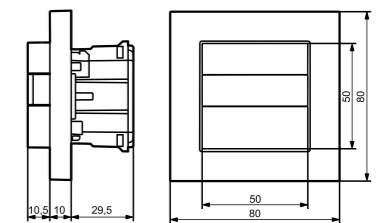
EAN Adapter for Busch-Jaeger, white	4007841 034139
EAN Adapter for Busch-Jaeger, silver	4007841 034146
EAN Adapter for Jung, white	4007841 034184
EAN Adapter for Jung, silver	4007841 034177
EAN Adapter for Feller, white	4007841 034160
EAN Adapter for Feller, silver	4007841 034153
EAN User remote control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



White



Silver



HF 180 detection zone
Possible mounting height: 1.2-2.2 m
Black: tangential

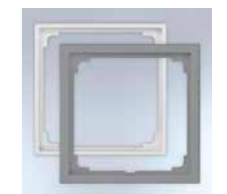
Wiring diagrams from page 154



Optional remote controls refer to page 300



Optional adapters made of UV-resistant plastic



Presence Switch Interfaces

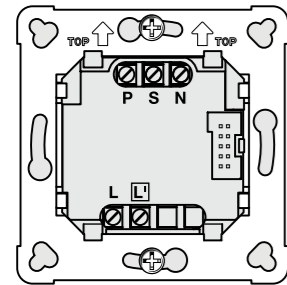
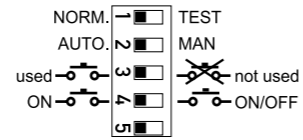
Team player with numerous connections.

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

automatically. 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: Button/switch mode
- DIP 4: ON button/ON-OFF button
- DIP 5: Constant-lighting control ON-OFF (DIM/DALI)



COM1

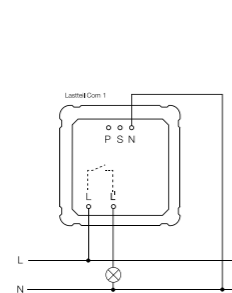
Power supply 220–240 V; 50 / 60 Hz

Output

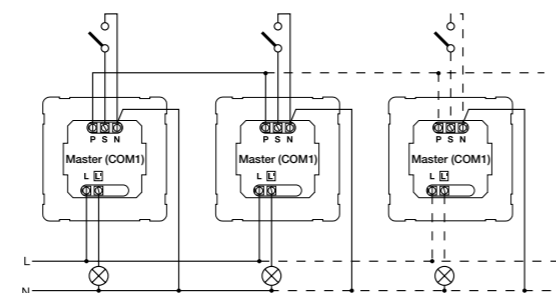
Incandescent / halogen lamp load	2000 W
Fluorescent-lamp electronic ballasts	1000 W
Fluorescent lamps, uncorrected	1000 VA
Fluorescent lamps, series-corrected	400 VA
Fluorescent lamps, parallel-corrected	500 VA
Low-voltage halogen lamps	2000 VA
LED < 2 W	100 W
2 W < LED < 8 W	300 W
LED > 8 W	600 W
Capacitive load	176 µF

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

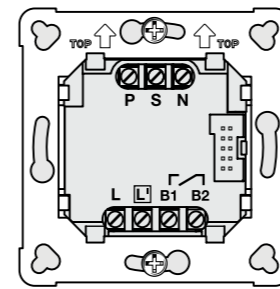
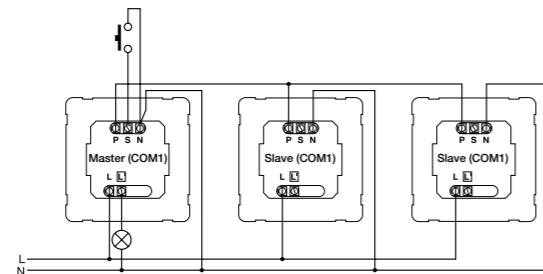
Master



Master/master COM1



Master / slave COM1



COM2

Power supply 220–240 V; 50 / 60 Hz

Output

Incandescent / halogen lamp load	2000 W
Fluorescent-lamp electronic ballasts	1000 W
Fluorescent lamps, uncorrected	1000 VA
Fluorescent lamps, series-corrected	400 VA
Fluorescent lamps, parallel-corrected	500 VA
Low-voltage halogen lamps	2000 VA
LED < 2 W	100 W
2 W < LED < 8 W	300 W
LED > 8 W	600 W
Capacitive load	176 µF

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

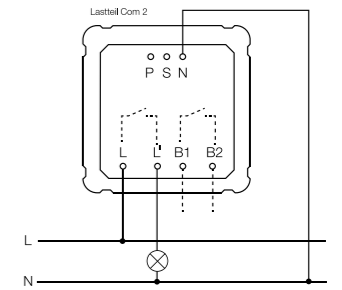
Automatic room surveillance

0 s - 10 min switch-ON delay,

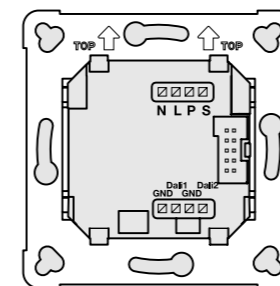
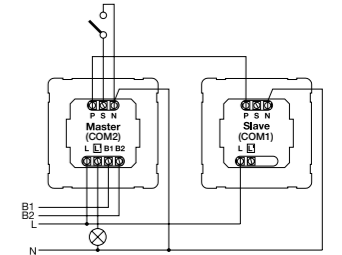
5-15 min stay-ON time via (RC),

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

Master



Master / slave COM1



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

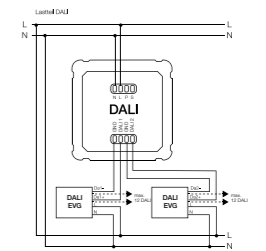
DALI output 2: 2-core DALI control cable / broadcast

Controllable DALI electronic ballasts: 12 DALI electronic ballasts per output

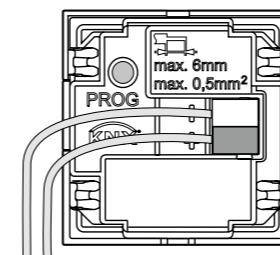
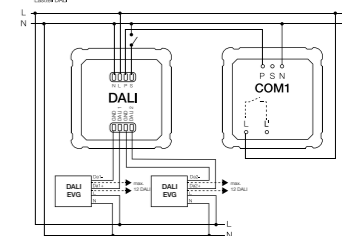
Basic brightness 10-50% for 0-30 min or all night

Constant-lighting control

Master



Master / slave COM1



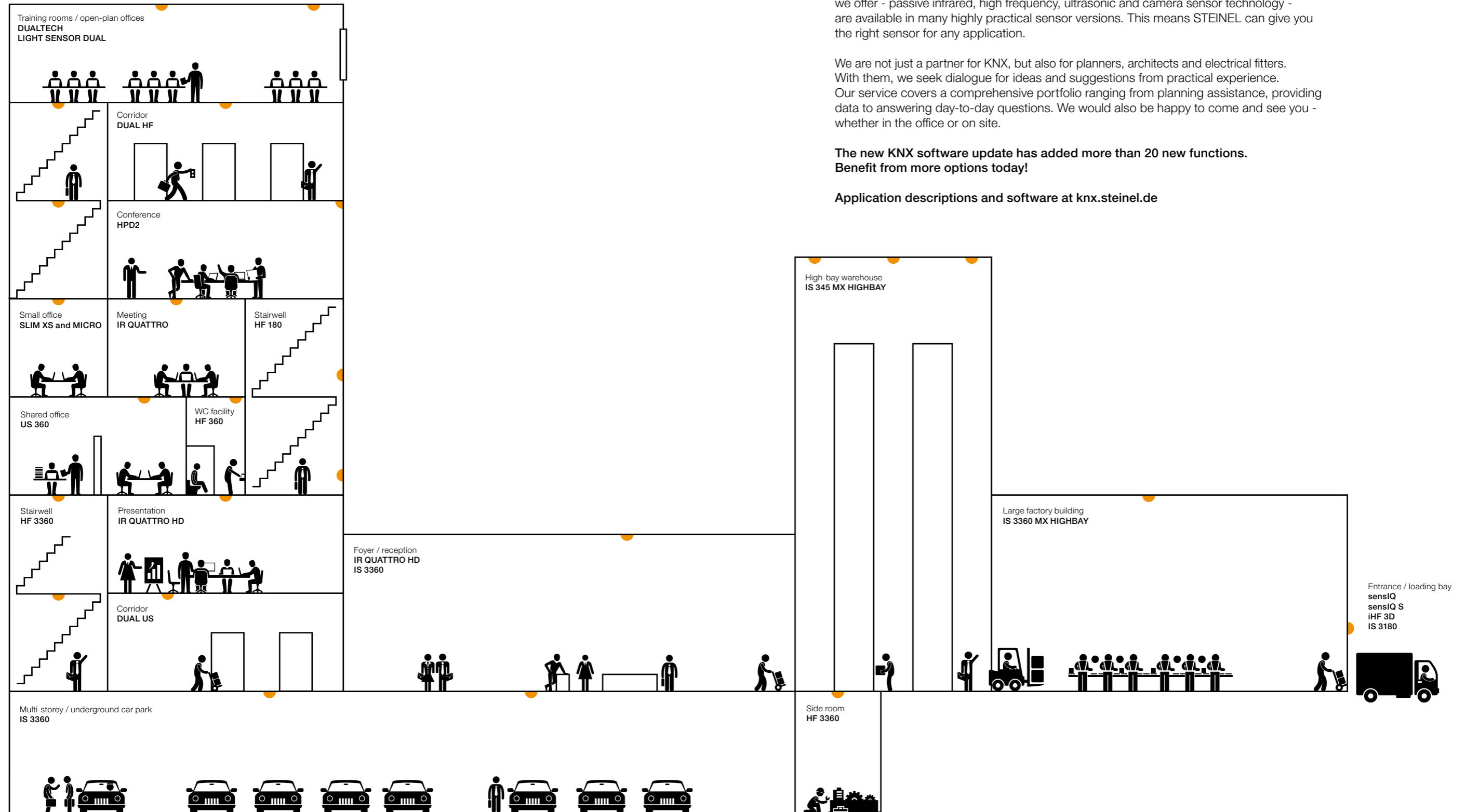
KNX

Power supply via KNX bus voltage (SELV)

Settings via ETS software, remote control or bus

Functions: light output 4x, presence output, light level, constant-lighting control, basic light level function, HVAC output, integrated button, temperature output, humidity output, sabotage





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 to answering day-to-day questions. We would also be happy to come and see you - whether in the office or on site.

The new KNX software update has added more than 20 new functions. Benefit from more options today!

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 – 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	-



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

STEINEL
PROFESSIONAL

TRILUX
SIMPLIFY YOUR LIGHT.



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



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.

Human Centric Lighting (HCL)

As of today a fixed element within the LiveLink product range.

People at the centre. Modern illumination concepts try to have a positive influence on the well-being of the human being. Artificial lighting that follows natural characteristics in terms of changing brightness and colours can have a positive effect on effectiveness and concentration of the individuals. Human Centric Lighting (HCL) is now also available for LiveLink and complements the light management system with a further important feature. **LiveLink – full flexibility for today and tomorrow.**

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.

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 LiveLink 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.



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 "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 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 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

LiveLink kits



Classroom starter kit

Starter kit for classrooms
 Comprising the control box, IR Quattro HD LiveLink presence detector and the DALI 4x switch coupler.
 EAN 4007841 033958



Highbay Aisle starter kit

Starter kit for high-bay warehouses
 Comprising the control box and two IS 345 MX Highbay LiveLink sensors.
 EAN 4007841 052829



Small Office starter kit

Starter kit for small offices
 Comprising the control box, IR Quattro SLIM XS LiveLink and the DALI 4x switch coupler.
 EAN 4007841 052843



Corridor starter kit

Starter kit for corridors and passageways
 Comprising the control box and the Dual HF LiveLink.
 EAN 4007841 052836

Presence detectors – passive infrared



IR Quattro HD LiveLink IR Micro LiveLink IR Quattro SLIM XS LiveLink

Example application	Conference room	Classroom	Small office
Detection zone	Presence: 8x8m	Presence: 4x4m	Presence: 4x4m
Mounting height	2.5 - 10m	2 - 4m	2.5 - 4m
EAN square	4007841 009717		4007841 033040
EAN round		4007841 009748	4007841 035235

Presence detectors – high-frequency



HF 360 LiveLink Dual HF LiveLink

Example application	WC facilities	Aisle
Detection zone	max. Ø 12 m	20 x 3 m
Mounting height	2.5 - 3.5 m	2.5 - 3.5 m
EAN	4007841 033972	4007841 009700

Presence detectors – ultrasonic



DualTech LiveLink US 360 LiveLink Dual US LiveLink Single US LiveLink

Example application	Classroom	Classroom	Corridor	Aisle
Detection zone	Presence: Ø 6 m	Presence: Ø 6 m	20 x 3 m	10 x 3 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 008451	4007841 008444	4007841 008420	4007841 008437

Motion detectors – 3000 series



IS 3360 LiveLink IS 345 LiveLink HF 3360 LiveLink Light Sensor Dual LiveLink

Example application	Multi-storey car park	Long corridor	WC facilities	Conference rooms, offices
Detection zone	max. 20 m	max. 23 x 6 m	Ø 1 - 8m	-
Mounting height	2.5 - 4 m	2.5 - 5 m	2 - 4 m	4 m
EAN surface-mounted, square	4007841 049362	4007841 049416	4007841 049454	4007841 009762
EAN surface-mounted, round	4007841 049386	4007841 049430	4007841 055639	
EAN concealed, square	4007841 049379	4007841 049423	4007841 055622	
EAN concealed, round	4007841 049393	4007841 049447	4007841 055646	



IS 3360 MX Highbay LiveLink IS 345 MX Highbay LiveLink IS 3180 LiveLink

Example application	High-bay warehouse area	High-bay warehouse, aisle	Exterior facade aisle
Detection zone	max. 18 m	max. 30 x 4 m	max. 20 m
Mounting height	4 - 14 m	4 - 14 m	1.8 - 2.5 m
EAN concealed, square	4007841 009724	4007841 009731	4007841 049409
EAN surface-mounted, square			4007841 055752



DALI plus. The gateway to intelligent lighting control.

Whether classroom, open-plan office or one-person office. Our DALI plus solution is both easy to use and effective. With intelligent sensors that come with a complete lighting control module. The control unit fitted in the load section makes installation both fast and easy. Using the Smart Remote, you can control up to 64 luminaires via 3 lighting channels by app. DALI plus is the ideal solution for anyone wishing to plan and install intelligent lighting with just a few components.

3 operating modes

- **ON/OFF:** presence-controlled activation and deactivation
- **Constant-lighting control:** (daylight control) with offset
- **ECO-ON function:** automatically ON 10 – 70%, 100% only in response to manual switch actuation

Use of the floating output

- **Light:** connected lighting group can be controlled via switch (fully / semi-automatic)
- **Electronic ballast OFF** (ballast-OFF function): electronic ballast + luminaires completely disconnected from the power supply. This ensures maximum savings when not in use.
- **HVAC:** air-conditioning, heating and ventilation controlled in relation to presence only
- **Nightmatic function:** continuous lighting at 100% output when ambient light falls below a specific level, e.g. for architectural lighting
- **Pulse mode** (2 sec ON): for connecting to timer

Interconnected groups

- **Master/master** (2x DALI plus sensor)
- **Neighbouring-light function** (convenience function): on detecting movement, sensor switches to main light level, interconnected sensor not detecting movement switches to basic light level
- **Master/slave** (DALI plus sensor with LiveLink or COM1 sensor): only for extending detection zone

Special functions

- **Fully automatic mode:** for switching ON and OFF automatically
- **Semi-automatic mode:** for switching ON manually and OFF again automatically
- **Basic light level:** continuous night-time illumination at 10–50% light output

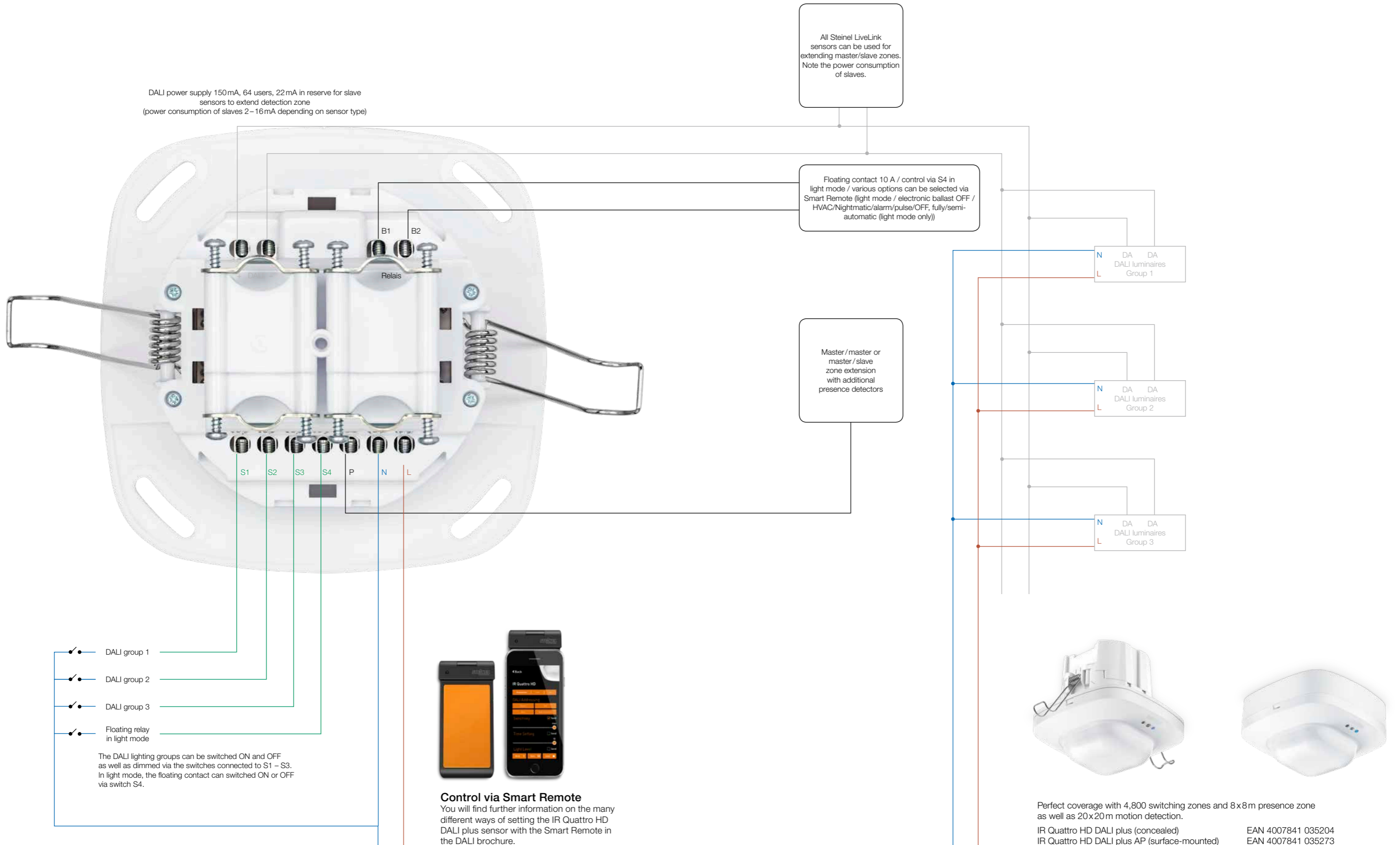


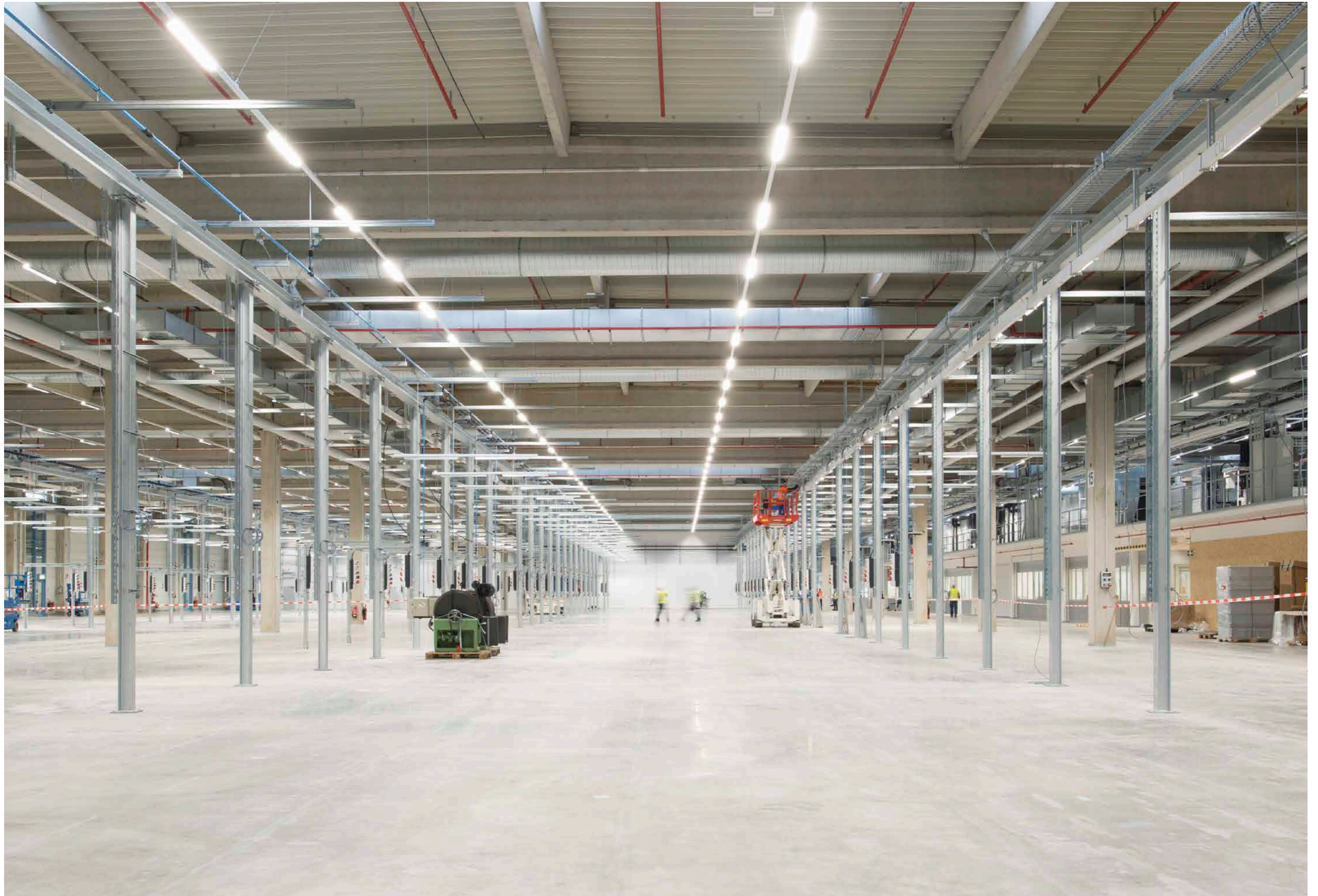
IR Quattro HD DALI plus. Pure intelligence – installed in a single sensor.

The intelligent IR Quattro HD DALI plus presence detector is the brains of the DALI plus system. With a mounting height of 2.5 to 10 metres, it can be used anywhere. It has 3 lighting channels (DALI addressable) and can control up to 64 luminaires. There is also the option of operating the 64 luminaires in broadcast mode (factory setting). It also is equipped with an additional dry contact. Everything can be operated via a switch interface (ON/OFF and dimming). All configurations, including constant-lighting control and variable basic light functions can be controlled via Smart Remote for added user convenience.

IR Quattro HD DALI plus. Configuration diversity.

The DALI plus sensor lets you divide as many as 64 DALI luminaires into 3 lighting groups and control them in the chosen set-up. Each lighting group can be set and controlled to suit any requirement, e.g. 2 lighting groups in fully automatic mode and one lighting group in semi-automatic mode. An additional floating contact can be used for various control operations, such as for controlling an additional ON/OFF lighting group or HVAC, or for disconnecting the electronic ballasts from the power supply.





The new benchmark.

Among other aspects, the new DALI-2 standard provides the basis for standardising sensor communication in DALI systems. This ensures compatibility among all brands. DALI-2 enables sensors to communicate collected sensor data to higher-level lighting management systems. As sensors can now be assigned to room zones, adjustments can easily be made to suit changes in room use. This means that DALI-2 simplifies building automation. Under DALI-2, 64 light and 64 sensors can be operated together on one line.

STEINEL PROFESSIONAL offers a wide range of DALI-2 sensors for every application.

Presence detectors – passive infrared



Example application	Conference room	Classroom	Small office	Small office
Detection zone	Presence: 8x8m	Presence: 4x4m	Presence: 4x4m	Presence: 4x4m
Mounting height	2.5 - 10 m	2.5 - 8 m	2 - 5 m	2.5 - 4m
EAN square	4007841 057497	4007841 057732	4007841 053871	4007841 057510
EAN round				4007841 057527

Presence detectors – high-frequency



Example application	WC facilities	Aisle
Detection zone	max. Ø 12m	20 x 3 m
Mounting height	2.5 - 3.5m	2.5 - 3.5m
EAN	4007841 057480	4007841 057459

Presence detectors – ultrasonic



Example application	Classroom	Classroom	Corridor	Aisle
Detection zone	Presence: Ø 6 m	Presence: Ø 6 m	20 x 3 m	10 x 3 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 057473	4007841 057534	4007841 057466	4007841 057503

Motion detectors – 3000 series



Example application	Multi-storey car park	Long corridor	WC facilities	Conference rooms, offices
Detection zone	max. 20 m	max. 23 x 6 m	Ø 1 – 8 m	-
Mounting height	2.5 - 4 m	2.5 - 5 m	2 - 4 m	4 m
EAN surface-mounted, square	4007841 057237	4007841 057275	4007841 057312	4007841 057411
EAN surface-mounted, round	4007841 057251	4007841 057299	4007841 057329	4007841 057428
EAN concealed, square	4007841 057244	4007841 057282	4007841 057336	4007841 057435
EAN concealed, round	4007841 057268	4007841 057305	4007841 057343	4007841 057442

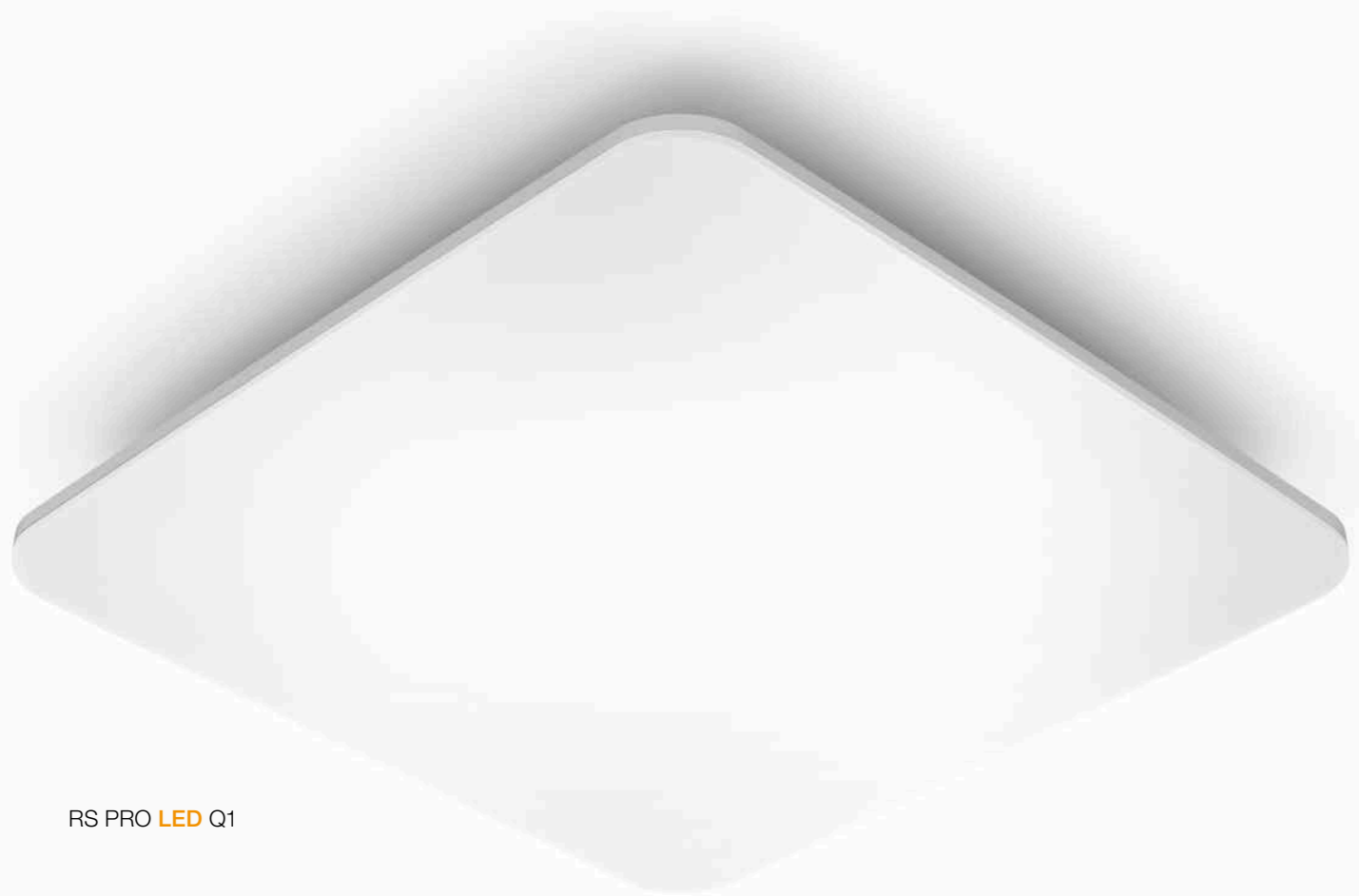


Example application	High-bay warehouse area	High-bay warehouse, aisle	Exterior facade aisle
Detection zone	max. 18 m	max. 30 x 4 m	max. 20 m
Mounting height	4 - 14 m	4 - 14 m	1.8 - 2.5 m
EAN concealed, square	4007841 057374	4007841 057398	4007841 057350
EAN surface-mounted, square	4007841 057381	4007841 057404	4007841 057367



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

All-Inclusive LED System



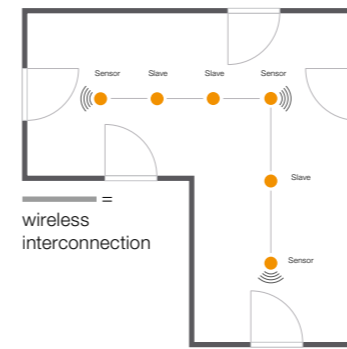
RS PRO LED Q1

RS
PRO
SYSTEM

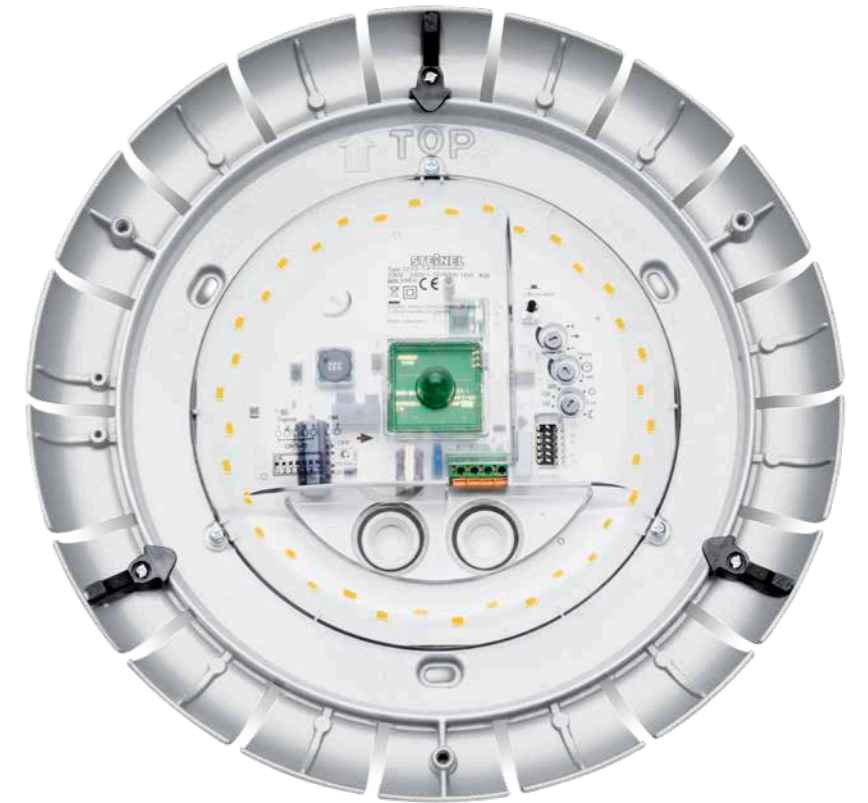
LED
LONG LIFE



	RS PRO LED Q1	RS PRO LED S1	RS PRO LED S2	RS PRO LED B1	RS PRO LED P1	RS PRO LED P2	RS PRO LED P3
Sensor / Slave	• / -	• / -	• / -	• / -	• / •	• / •	• / •
Output	26 W	15W	26W	13W	9.5W / 9W	16W / 15.5W	20W / 19.5W
Lumens	max. 2920 lm	max. 1580 lm (PC) max. 1092 lm (glass)	max. 2626 lm (PMMA) max. 2210 lm (PC) max. 2054 lm (glass)	max. 978 lm	max. 1010 lm	max. 1730 lm	max. 2190 lm
Basic light level	•	•	•	-	• / -	• / -	• / -
Emergency light	-	-	-	•	-	•	•
Interconnectable	Wirel. (868 MHz)	Wirel. (868 MHz)	Wirel. (868 MHz)	Cable	Cable	Cable	Cable
Presence function	•	•	•	•	-	-	-
Neighbouring-group function	•	•	•	•	-	-	-
IP rating	IP20	IP20	IP20	IP20	IP54	IP54	IP54
Impact-resistant	-	IK07 (PC)	IK07 (PC)	IK07	-	-	-
Can be remotely controlled	•	•	•	-	-	-	-
Page	188	192	194	196	200	202	204



Whether unconnected individual sensor-switched lights or wirelessly interconnected networks – any combination can be realized



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.

Presence mode prevents light from switching off unintentionally and, for example, also reliably detects seated persons. The neighbouring-group function provides preceding and accompanying light for more safety in long corridors, stairwells and large spaces.

In the basic version, we have provided the lights from the P-series with wired interconnection capability and basic light level function. 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.

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



RS PRO LED Q1

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
max. 2920lm
112,3lm/W

high frequency
sensor 360°

\varnothing 1-8m

2-2000 lux

5 sec-15 min

manual
override

10-50%
basic
brightness

networkable
wireless

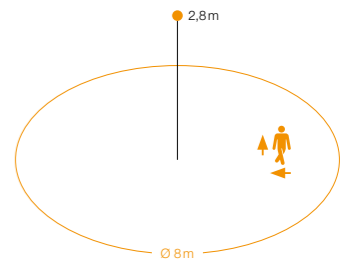
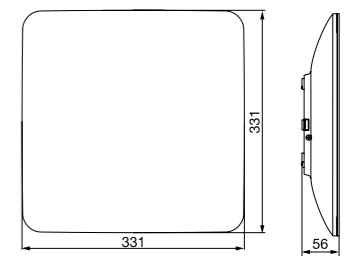
soft light
start

TEACH
mode

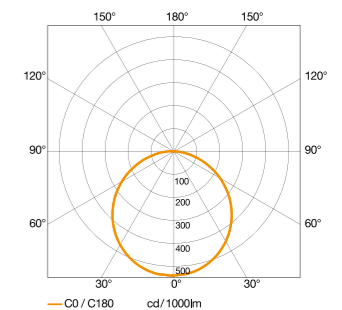
energy
saving

5 JAHRE
GARANTIE
manufacturer's
warranty

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 WW	.2703 lm
Luminous flux NW	.2920 lm
Efficiency	112.3 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
Functions	.Neighbouring group function, presence function, .group configurations, switches OFF in relation to daylight, .bi-directional wireless interconnection
Reach	\varnothing 1-8 m
Twilight setting	2-2000lx
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



RS PRO LED Q1 detection zone
Possible mounting height: 2.5-4 m
Orange: radial and tangential

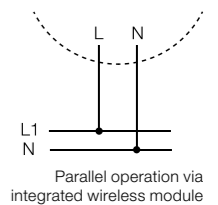


RS PRO LED Q1 light distribution curve

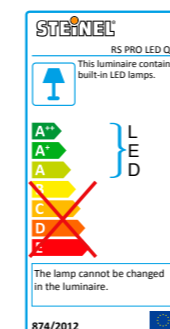
Optional accessories

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

Refer to the 'Accessories' section for further information.



Sensor-Switched
Lights for indoors



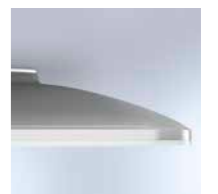
Including STEINEL
LED system



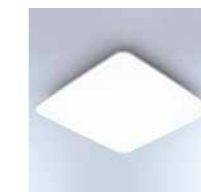
Intelligent
soft light start



Intelligent
LED cooling system



Optional basic light
level of 10-50%



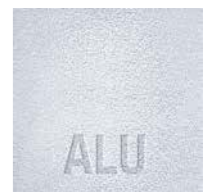
Wireless intercon-
nection with Remote
Group Setting



Optional remote
controls refer to
page 304



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)

15w

max. 1580lm
105.33lm/W



high frequency
sensor 360°



\varnothing 1-8m



2-2000 lux



5 sec-15 min



10-90%
basic
brightness



networkable
wireless



shock proof
IK07



energy
saving

5 JAHRE GARANTIE

manufacturer's
warranty

Dimensions (\varnothing xD) \varnothing 300x71 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 15 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
 Functions Neighbouring group function, presence function, .. switches OFF in relation to daylight, bi-directional wireless interconnection capability, group configuration
 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 10-90%
 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 057800
 Luminous flux / efficiency (with shade) 1580 lm / 105.33 lm/W

EAN RS PRO LED S1, NW, glass 4007841 057787
 Luminous flux / efficiency (with shade) 1092 lm / 72.80 lm/W

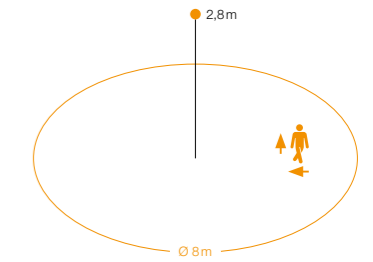
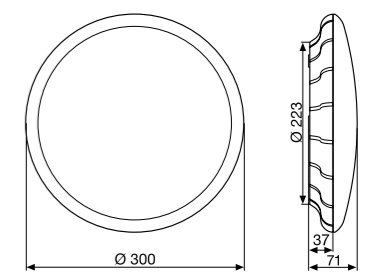
EAN RS PRO LED S1, WW, polycarbonate 4007841 057831
 Luminous flux / efficiency (with shade) 1423 lm / 94.86 lm/W

EAN RS PRO LED S1, WW, glass 4007841 057817
 Luminous flux / efficiency (with shade) 980 lm / 65.33 lm/W

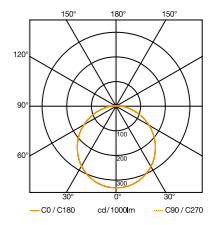
Optional accessories

EAN Remote control Smart Remote 4007841 009151

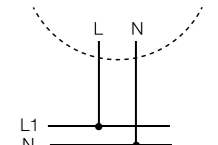
Refer to the 'Accessories' section for further information.



RS PRO LED S1 detection zone
 Possible mounting height: 2.5-4 m
 Orange: radial and tangential



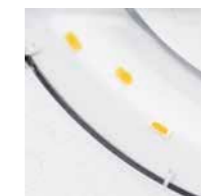
RS PRO LED S1 light distribution curve



Parallel operation via integrated wireless module

Sensor-Switched
Lights for indoors

Including STEINEL
LED system



Intelligent
LED cooling system



Optional basic
light level of 10-90%



Optional
Smart Remote,
see page 294



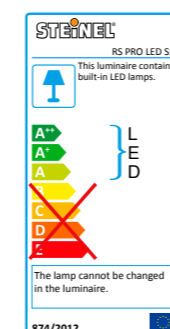
Wireless
interconnection



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 26 W STEINEL LED lighting system. Apart from that, the RS PRO LED S2 comes with exactly the same impressive line-up as its little sister. Put simply: convenient adjustment via Smart Remote, no unintentional deactivation thanks to presence mode, preceding and accompanying light from neighbouring group function, LED Active Thermo Control, high-frequency sensor technology, wireless interconnection etc.

RS
PRO
SYSTEM

LED
LONG LIFE



LED

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

26w

max. 2600lm
100lm/W



high frequency
sensor 360°



\varnothing 1-8m



2-2000 lux



5 sec-15 min



20%
basic
brightness



networkable
wireless



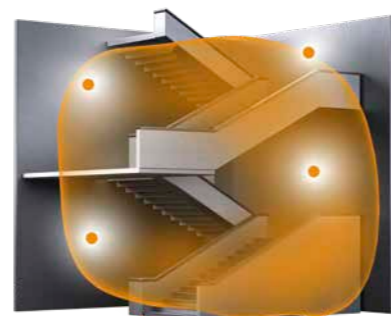
shock proof
IK07



energy
saving

5 JAHRE
GARANTIE

manufacturer's
warranty



Dimensions ($\varnothing \times D$) $\varnothing 350 \times 83$ mm, (glass $\varnothing 362 \times 85$ 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 26 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 $R_a \geq 80$
 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
 Functions Neighbouring group function,
 presence function, switches OFF in relation to daylight,
 bi-directional wireless interconnection capability, group configuration
 Reach max. \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 20%
 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 035839
 Luminous flux / efficiency (with shade) 2626 lm / 101 lm/W

EAN RS PRO LED S2, NW, polycarbonate 4007841 035808
 Luminous flux / efficiency (with shade) 2210 lm / 85 lm/W

EAN RS PRO LED S2, NW, glass 4007841 035860
 Luminous flux / efficiency (with shade) 2054 lm / 79 lm/W

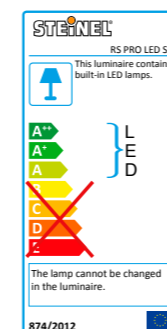
EAN RS PRO LED S2, WW, PMMA 4007841 035846
 Luminous flux / efficiency (with shade) 2496 lm / 96 lm/W

EAN RS PRO LED S2, WW, polycarbonate 4007841 035792
 Luminous flux / efficiency (with shade) 2106 lm / 81 lm/W

EAN RS PRO LED S2, WW, glass 4007841 035853
 Luminous flux / efficiency (with shade) 1950 lm / 75 lm/W

Optional accessories

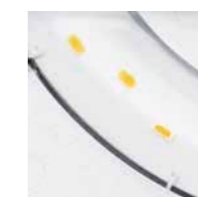
EAN Remote control Smart Remote 4007841 009151
 Refer to the 'Accessories' section for further information.



Optional
Smart Remote,
see page 294



Including STEINEL
LED system



Intelligent
LED cooling system



Optional basic
light level of 20%



Wireless
interconnection



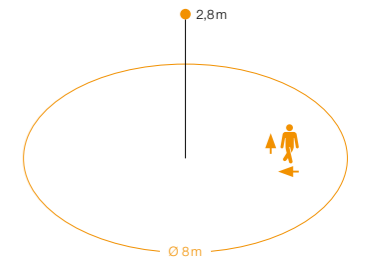
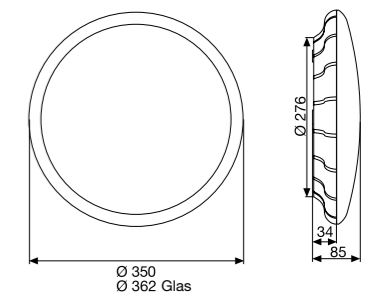
Impact-resistant
material rated to IK07



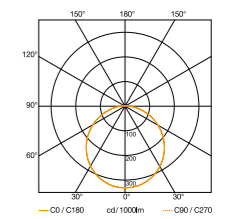
High-quality aluminium



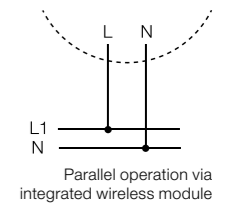
Polycarbonate



RS PRO LED S2 detection zone
Possible mounting height: 2.5-4 m
Orange: radial and tangential



RS PRO LED S2 light distribution curve



Parallel operation via
integrated wireless module

Sensor-Switched
Lights for Indoors

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. 978lm
75.2lm/W



high frequency
sensor 360°



\varnothing 1-8m



2-2000 lux



5 sec-15 min



energy
saving

**5 JAHRE
GARANTIE**

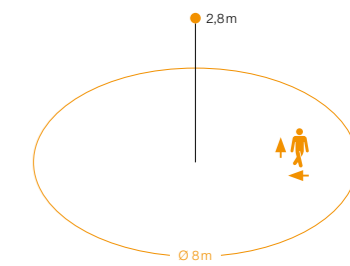
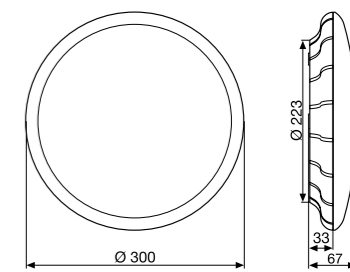
manufacturer's
warranty

RS
**PRO
SYSTEM**

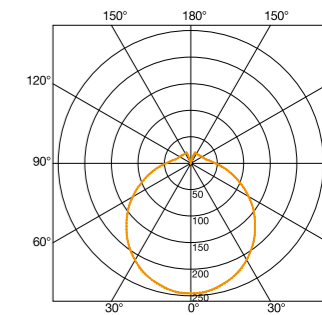
**LED
LONG LIFE**



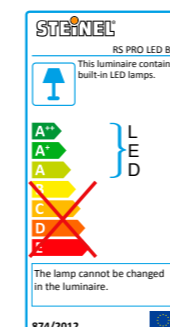
Dimensions (\varnothing x D) \varnothing 300x67 mm
 Power supply 230-240 V, 50 Hz
 Sensor type High frequency
 Transmitter power approx. 1 mW
 HF system 5.8 GHz (responds to the smallest of movements
 regardless of temperature)
 Output 13 W
 Colour temperature WW 3000 K / SDCM 3
 Colour temperature NW 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
 Functions 3 h emergency lighting, single battery
 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 059996
 Luminous flux / efficiency (with shade) 978 lm / 75.2 lm/W
 EAN RS PRO LED B1 emergency light PMMA WW 4007841 059989
 Luminous flux / efficiency (with shade) 921 lm / 70.8 lm/W



RS PRO LED B1 detection zone
Possible mounting height: 2.5-4 m
Orange: radial and tangential



Light distribution curve for
RS PRO LED S1 emergency light



Including STEINEL
LED system



Intelligent
LED cooling system



Emergency light
module in accordance
with EN 60598-2-22



High-quality aluminium



Time for all-rounder lights.
RS PRO LED P series.



RS PRO LED P1



RS PRO LED P2



RS PRO LED P3

Sensor-Switched
Lights for Indoors

Round design, square deal. Our successful indoor light is now available in 16 versions.

Never change a winning team. On the contrary. We are shifting gears with our popular entry level light. 16 versions in three different sizes satisfy any wish you might have. Master-slave installations and emergency light versions can be installed easily and quickly. The ideal sensor-switched light for an unlimited number of applications in a modern interior design. Professional quality for a reasonable price. What more could you ask for?

RS PRO LED P1

A perfect solution for the right light in the right place.

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 building, both from the aspect of aesthetic appeal as well as cost-efficiency. The new slave versions are quickly and easily interconnected via cable.

RS
PRO
SYSTEM

LED
LONG LIFE



LED

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

9,5w

max. 1010lm
106lm/W



high frequency
sensor 360°



\varnothing 1-8m



2-2000lux



5 sec - 15 min



networkable
via cable

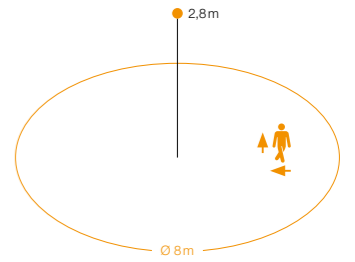
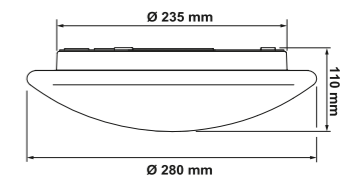


energy
saving

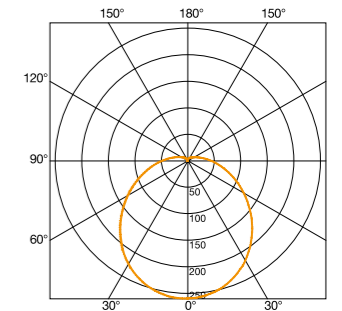
5 JAHRE
GARANTIE
manufacturer's
warranty

EAN RS PRO LED P1, WW	4007841 056063
EAN RS PRO LED P1, NW	4007841 056032
EAN RS PRO LED P1 Slave, WW	4007841 056056
EAN RS PRO LED P1 Slave, NW	4007841 056049
Dimensions (\varnothing x D)	\varnothing 280x110mm
Power supply	220-240 V, 50 / 60 Hz
Sensor type*	High-frequency
Transmitter power*	Approx. 1 mW
HF system*	5.8 GHz
Output	9.5W/9W (slave)
Luminous flux (with shade) WW	960lm
Luminous flux (with shade) NW	1010lm
Efficiency WW	101 lm/W
Efficiency NW	106lm/W
Colour temperature WW	3000K/SDCM3
Colour temperature NW	4000K/SDCM3
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 1-8m
Twilight setting*	2-2000lx
Time setting*	5 sec - 15 min
Basic light level*	10%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP54
Protection class	II
Material	UV-resistant plastic (base) and PMMA (shade)
Temperature range	-10 to +40°C
With lamp	STEINEL LED system

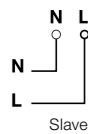
*For sensor-controlled version only



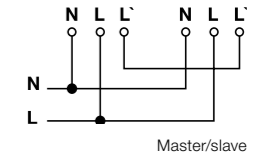
RS PRO LED P1 detection zone
Possible mounting height: 2.5-4 m
Orange: radial and tangential



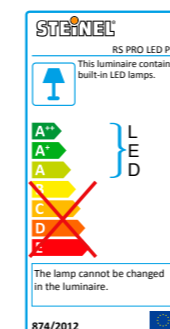
RS PRO LED P1 light distribution curve



Slave



Master/slave



Including STEINEL
LED system



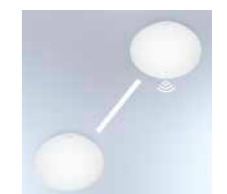
Intelligent
soft light start



Optional basic light
level 10%



Interconnectable
by cable
(maximum of 10 units)



RS PRO LED P2

Circular classic. Perfect shape.

Perfect efficiency. The perfect switched indoor light. The RS PRO LED P2 integrates harmoniously into corridors, hallways and stairwells. It combines timeless design and extremely easy installation with pioneering technology and unbeatable efficiency. As many as ten lights can be interconnected by cable. Also available as emergency light version.

RS
PRO
SYSTEM

LED
LONG LIFE



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

16w
max. 1810lm
117lm/W

high frequency
sensor 360°

\varnothing 1-8m

2-2000lux

5 sec - 15 min

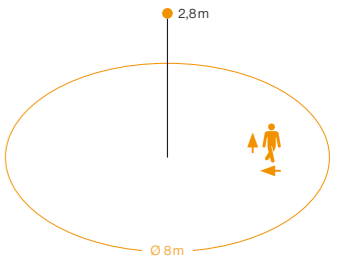
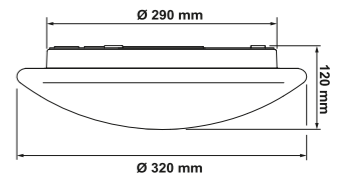
networkable
via cable

energy
saving

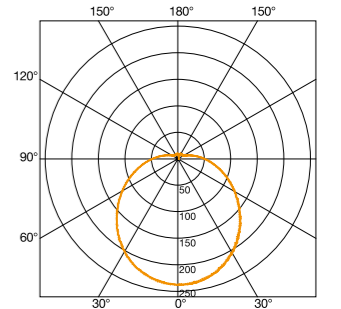
5 JAHRE
GARANTIE
manufacturer's
warranty

EAN RS PRO LED P2, WW	4007841 056100
EAN RS PRO LED P2, NW	4007841 056070
EAN RS PRO LED P2 Slave, WW	4007841 056094
EAN RS PRO LED P2 Slave, NW	4007841 056087
EAN RS PRO LED P2 Emergency Light, WW	4007841 058586
EAN RS PRO LED P2 Emergency Light, NW	4007841 058579
Dimensions (\varnothing x D)	\varnothing 320x110mm
Power supply	220-240 V, 50 / 60 Hz
Sensor type*	High-frequency
Transmitter power*	Approx. 1 mW
HF system*	5.8 GHz
Output	16W/15.5W (slave)
Luminous flux (with shade) WW	1730lm
Luminous flux (with shade) NW	1810lm
Efficiency WW	112lm/W
Efficiency NW	117lm/W
Colour temperature WW	3000K/SDCM3
Colour temperature NW	4000K/SDCM3
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*	2-2000lx
Time setting*	5 sec-15 min
Basic light level*	10%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP54
Protection class	II
Material	UV-resistant plastic (base) and PMMA (shade)
Temperature range	-10 to +40°C
With lamp	STEINEL LED system

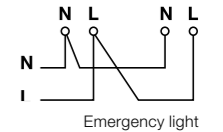
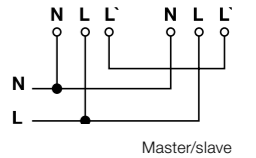
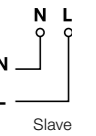
*For sensor-controlled version only



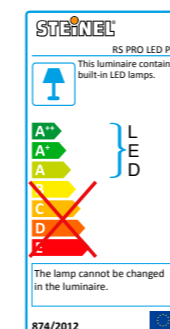
RS PRO LED P2 detection zone
Possible mounting height: 2.5-4 m
Orange: radial and tangential



RS PRO LED P2 light distribution curve



Sensor-Switched
Lights for Indoors



Including STEINEL
LED system



Intelligent
soft light start



Optional basic light
level 10%



Interconnectable
by cable
(maximum of 10 units)



Emergency light
module in accordance
with EN 60598-2-22



RS PRO LED P3

Circular classic. Perfect shape.

Perfect efficiency. The perfect switched indoor light. The RS PRO LED P3 integrates harmoniously into corridors, hallways and stairwells. It combines timeless design and extremely easy installation with pioneering technology and unbeatable efficiency. As many as ten lights can be interconnected by cable. Also available as emergency light version.

RS
PRO
SYSTEM

LED
LONG LIFE



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

20w
max. 2310lm
119lm/W

high frequency
sensor 360°

\varnothing 1-8m

2-2000lux

5 sec - 15 min

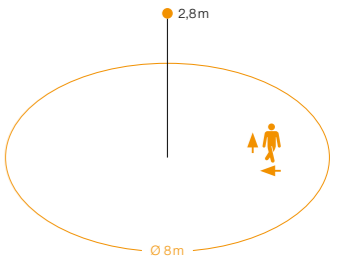
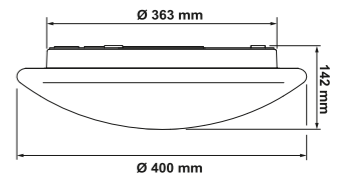
networkable
via cable

energy
saving

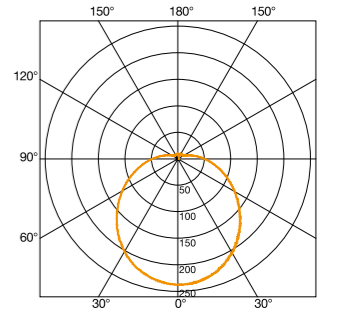
5 JAHRE
GARANTIE
manufacturer's
warranty

EAN RS PRO LED P3, WW	4007841 056148
EAN RS PRO LED P3, NW	4007841 056117
EAN RS PRO LED P3 Slave, WW	4007841 056131
EAN RS PRO LED P3 Slave, NW	4007841 056124
EAN RS PRO LED P3 Emergency Light, WW	4007841 058609
EAN RS PRO LED P3 Emergency Light, NW	4007841 058593
Dimensions (\varnothing x D)	\varnothing 400x142mm
Power supply	220-240 V, 50 / 60 Hz
Sensor type*	High-frequency
Transmitter power*	Approx. 1 mW
HF system*	5.8 GHz
Output P3	20W / 19.5W (slave)
Luminous flux (with shade) WW	2210lm
Luminous flux (with shade) NW	2310lm
Efficiency WW	113lm/W
Efficiency NW	119lm/W
Colour temperature WW	3000K/SDCM3
Colour temperature NW	4000K/SDCM3
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 1-8m
Twilight setting*	2-2000lx
Time setting*	5 sec - 15 min
Basic light level*	10%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP54
Protection class	II
Material	UV-resistant plastic (base) and PMMA (shade)
Temperature range	-10 to +40°C
With lamp	STEINEL LED system

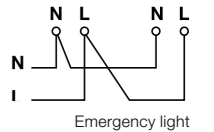
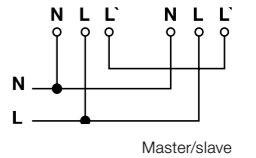
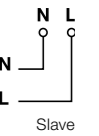
*For sensor-controlled version only



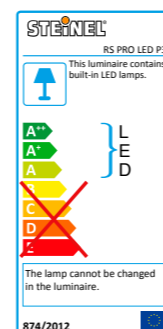
RS PRO LED P3 detection zone
Possible mounting height: 2.5-4 m
Orange: radial and tangential



RS PRO LED P3 light distribution curve



Sensor-Switched
Lights for Indoors



Including STEINEL
LED system



Intelligent
soft light start



Optional basic light
level 10%



Interconnectable
by cable
(maximum of 10 units)



Emergency light
module in accordance
with EN 60598-2-22



STEINEL IP65. These lights are up for everything.
For the toughest of demands.



RS
PRO
SYSTEM

LED
LONG LIFE



RS PRO LED S1 IP65



RS PRO LED S2 IP65

Sensor	•	•
Output	15 W	26 W
lumens	max. 1213lm	max. 2010lm
Basic light level	•	•
Interconnectable	Wireless (868 MHz)	Wireless (868 MHz)
Presence function	•	•
Neighbouring-group function	•	•
IP rating	IP65	IP65
Impact-resistant	IK10	IK10
Can be remotely controlled	•	•
Page	210	212

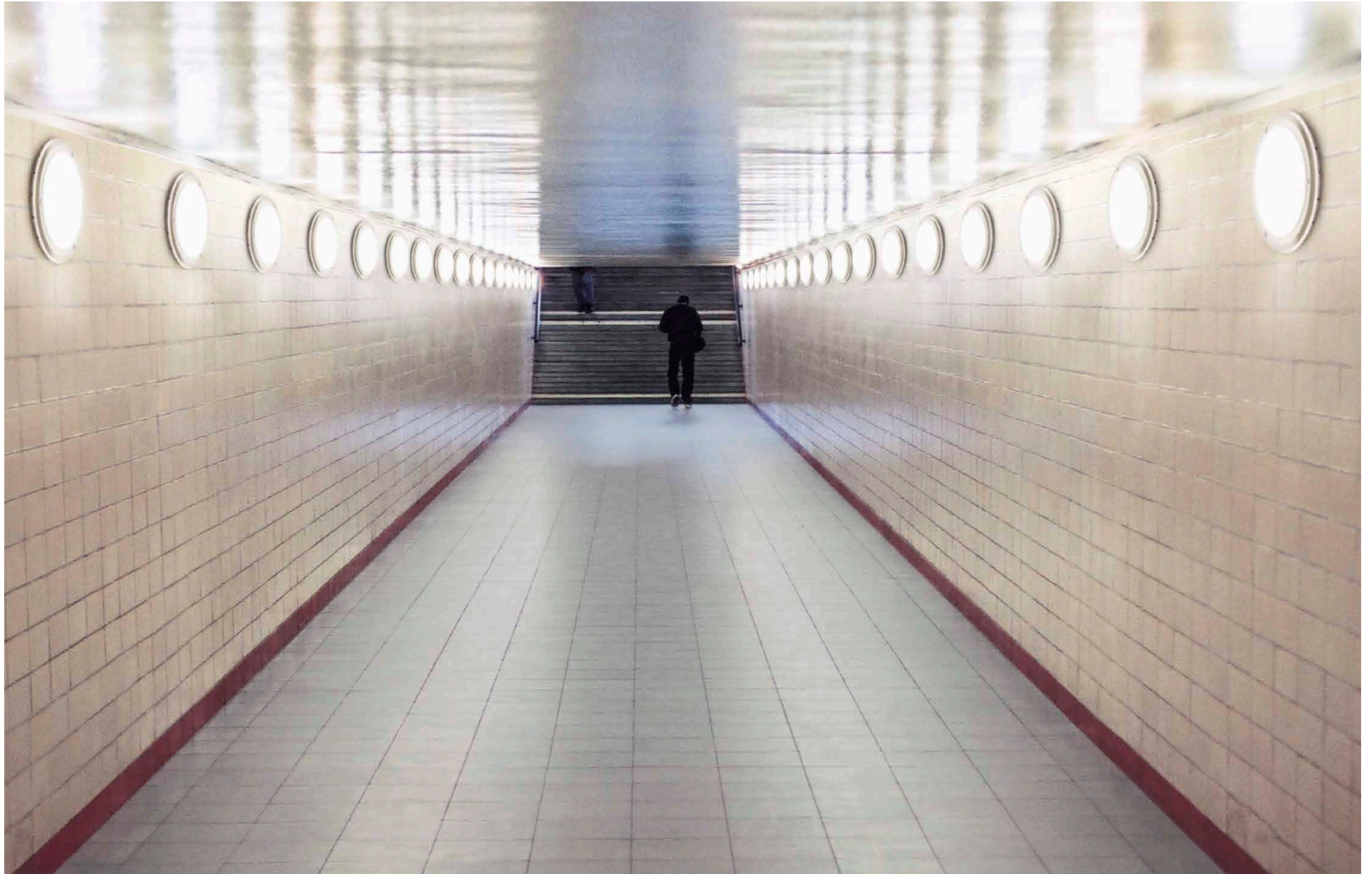
The STEINEL IP65 lighting range is suitable for the toughest of applications. All of these products come with IP 65 rating and belong to safety class II. Their frosted polycarbonate shades give a very bright light. They pass the 850-degree glow-wire test with effortless ease and are provide IK10 impact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



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)

15w
max. 1213lm
80.8lm/W

high frequency
sensor 360°

\varnothing 1-8m

IP65
Dust-proof
and jet water
protected

2-2000 lux

5 sec-15 min

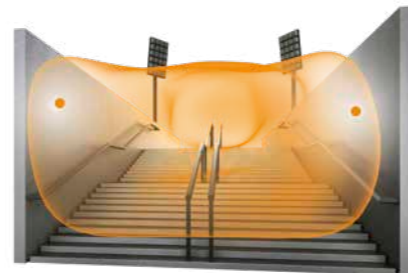
10-99%
basic
brightness

networkable
wireless

shock proof
IK10

energy
saving

5 JAHRE
GARANTIE
manufacturer's
warranty



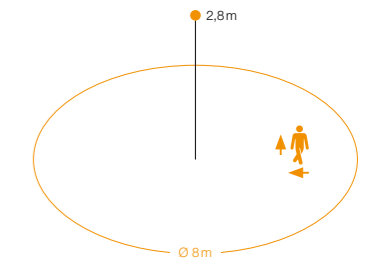
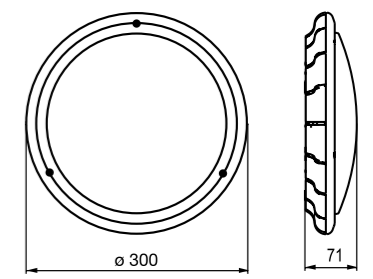
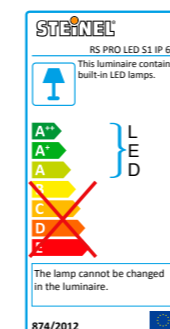
Dimensions (H x W x D) \varnothing 300 x 71 mm
Power supply 230-240 V, 50 / 60 Hz
Sensor type High frequency
Transmitter power approx. 1 mW
HF system 5.8 GHz (responds to the smallest of movements regardless of temperature)
Output 15 W LED (1.6 W when dimmed)
Additional switching capacity Master/master configurations and master/slave via 868 MHz wireless connection
Colour temperature NW 4000K / SDCM 3
Colour temperature WW 3000 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
Functions Neighbouring group function, presence function switches OFF in relation to daylight, bi-directional wireless interconnection capability, group configuration
Reach \varnothing 1-8 m, infinitely variable, can be limited in 4 directions
Slave mode selectable
Max. area covered 50 m²
Twilight setting 2-2000 lx
Basic light level 10-90%
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

EAN RS PRO LED S1 IP65, opal, NW 4007841 057794
Luminous flux / efficiency (with shade) 1213 lm / 80.8 lm/W
EAN RS PRO LED S1 IP65, opal, WW 4007841 057824
Luminous flux / efficiency (with shade) 1092 lm / 72.8 lm/W

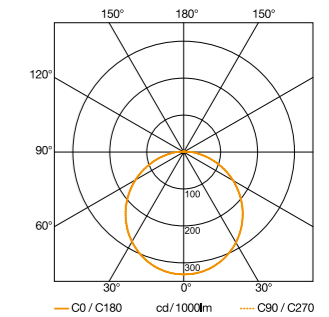
Optional accessories
EAN designer ring AV S1 4007841 667511
EAN Remote control Smart Remote 4007841 009151
Refer to the 'Accessories' section for further information.



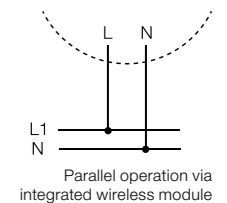
The optional designer ring prevents access to the rear of the base



RS PRO LED S1 IP65 detection zone
Possible mounting height: 2.5-4 m
Orange: radial and tangential

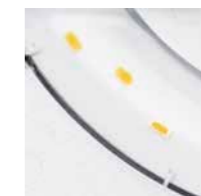


Light distribution curve for RS PRO LED S1 IP65



Sensor-Switched
Lights for Indoors

Including STEINEL
LED system



Optional basic
light level of 10-90%



Intelligent
LED cooling system



Wireless
interconnection



Impact-resistant
material rated to IK10



Optional
Smart Remote,
see page 294



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)

26w

max. 2010 lm
77.3 lm/W



high frequency
sensor 360°



\varnothing 1-8m

IP65

Dust-proof
and jet water
protected



2-2000 lux



5 sec-15 min



20%
basic
brightness



networkable
wireless



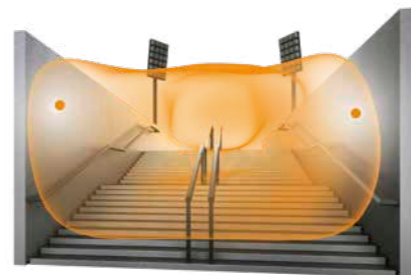
shock proof
IK10



energy
saving

5 JAHRE
GARANTIE

manufacturer's
warranty



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
Colour temperature NW 4000K / SDCM 3
Colour temperature WW 3000 K / SDCM 3
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
Functions Neighbouring group function, presence function switches OFF in relation to daylight, bi-directional wireless interconnection capability, group configuration
Reach \varnothing 1-8 m, infinitely variable, can be limited in 4 directions
Slave mode selectable
Max. area covered 50 m²
Twilight setting 2-2000 lx
Basic light level 20%
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

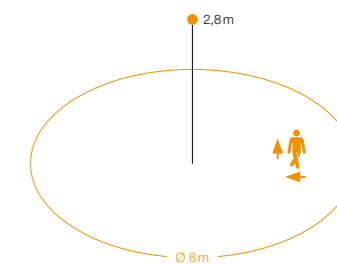
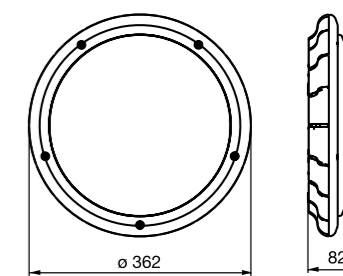
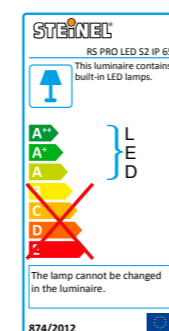
EAN RS PRO LED S2 IP65, opal, NW 4007841 055820
Luminous flux / efficiency (with shade) 2010 lm / 77.3 lm/W
EAN RS PRO LED S2 IP65, opal, WW 4007841 057688
Luminous flux / efficiency (with shade) 1903 lm / 73.2 lm/W

Optional accessories

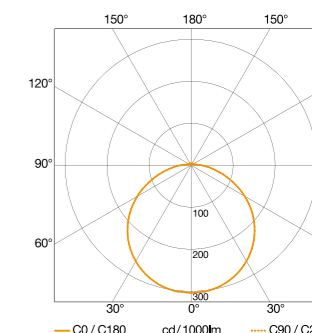
EAN Remote control Smart Remote 4007841 009151
EAN designer ring AV S2 4007841 667610
Refer to the 'Accessories' section for further information.



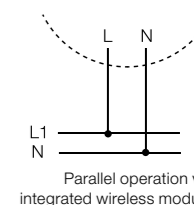
The optional designer ring prevents access to the rear of the base



RS PRO LED S2 IP65 detection zone
Possible mounting height: 2.5-4 m
Orange: radial and tangential



RS PRO LED S2 IP65 light distribution curve



Sensor-Switched
Lights for Indoors

Including STEINEL
LED system



Intelligent
LED cooling system



Optional
Smart Remote,
see page 294



Optional basic
light level of 20%



Wireless
interconnection



Impact-resistant
material rated to IK10



High-quality aluminium



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



RS PRO Connect 5100 LED




RS PRO Connect 5100 LED



RS PRO 5800 LED



RS PRO 5850 LED

Sensor / Slave	• / •	• / •	• / •
Output	30 W	33 W	45 W
lumens	max. 4206lm	max. 4065lm	max. 5570lm
Basic light level	•	•	•
Interconnectable	Wireless 	DALI	DALI
Presence function	•	•	•
Neighbouring-group function	•	•	•
IP rating	IP66	IP66	IP66
Impact-resistant	IK07	IK07	IK07
Can be remotely controlled	•	•	•
Page	216	220	222

**This world has way too many old linear lighting systems.
Lets get rid of this backlog.**

Ready for change in parking facilities, halls, garages, hallways and all other rooms that still are equipped with antique diffuser luminaires. It is so easy: Use the existing cables, attach to the existing holes, wirelessly configure the new installation and adjust all parameters via the easy-to-use app. The result: state-of-the-art illumination based on the old installation, advanced user friendliness with many features and immediate cost reduction due to the greatest level of efficiency. And to top it all: genuine bright light and, to complement the system, an optional emergency lighting version.

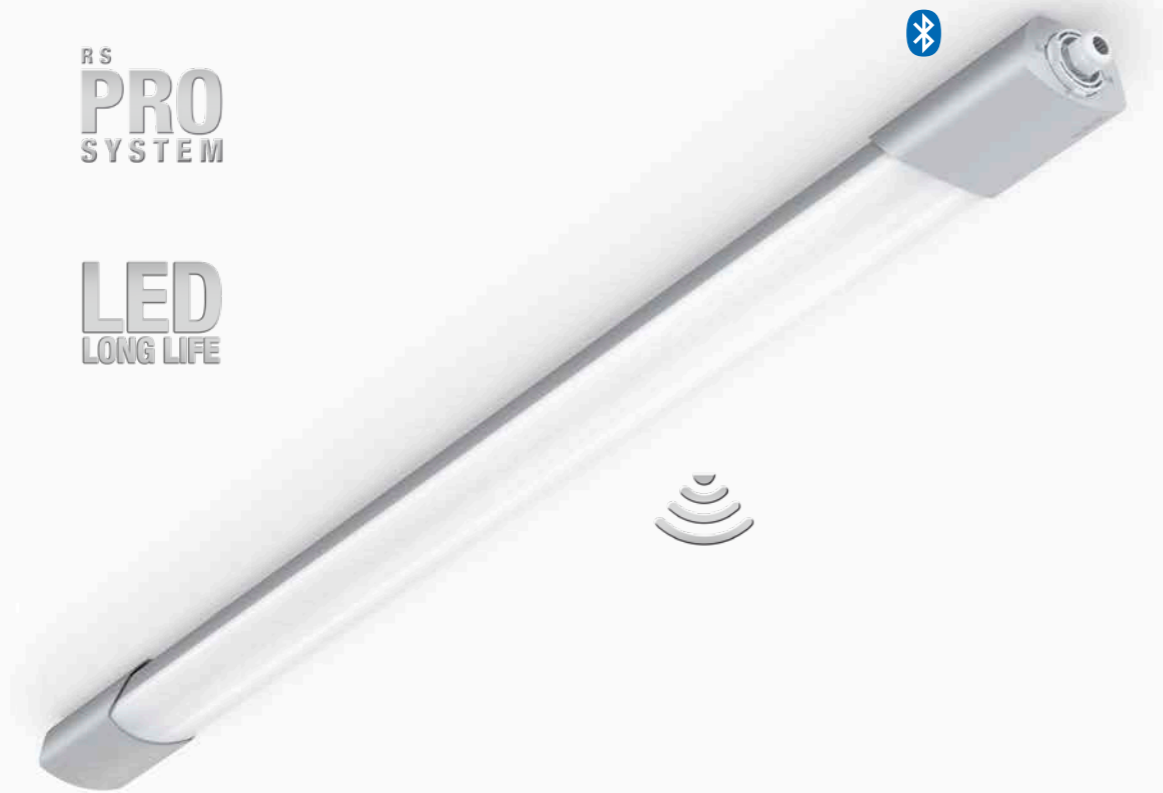
RS PRO Connect 5100 LED

Perfect for modernisation and refurbishment.

Our engineers were sure about this: the new diffuser luminaire was supposed to be simple and good. Easy to install, easy to maintain, and top notch in terms of efficiency, function and quality. The result: RS PRO Connect 5100 LED. The diffuser luminaire the world has been waiting for. Sturdy, highly practical, extremely easy to install, wirelessly interconnectable and, ultimately, conveniently configured via smartphone.

RS
PRO
SYSTEM

LED
LONG LIFE



LED

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

30w

4206lm
140lm/W



4000 K
neutral-white



high frequency
sensor 360°



\varnothing 1-10m

IP66

Dust-proof
and jet water
protected



10-50%
basic
brightness



networkable
via bluetooth



shock proof
IK07

TEACH

mode



energy
saving

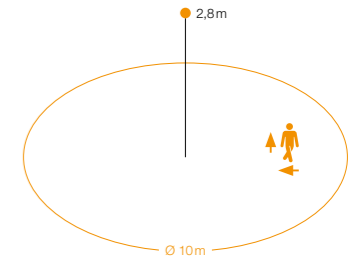
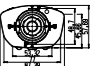
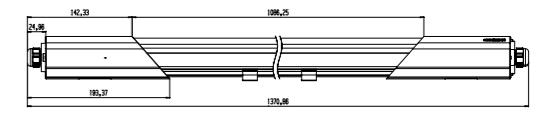
5 JAHRE
GARANTIE

manufacturer's
warranty

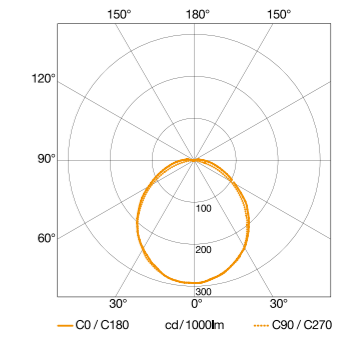


EAN RS PRO Connect 5100 LED Master	.....4007841 052911
EAN RS PRO Connect 5100 LED Slave	.....4007841 052904
Dimensions (WxHxD)	.....1,370x87x58mm
Power supply	.....220-240V, 50/60Hz
Sensor type*	..... High-frequency
Transmitter power*	..... Approx. 1 mW
HF system*	..... 5.8 GHz
Output (lights)	..... 30W
Luminous flux	..... 4206 lm
Efficiency	..... 140 lm/W
Colour temperature	..... 4000 K / SDCM 3
Colour rendering	..... Ra \geq 80
LED life expectancy	..... 60,000 h (L80B10 to LM80)
LED cooling system	..... Passive Thermo Control
Main light level	..... 50-100%
Functions	..... Neighbouring group function, presence function, Group configuration
Interconnection	..... via Bluetooth
Angle of coverage*	..... 360°
Reach*	..... \varnothing 1-10 m
Twilight setting*	..... 2-2000 lx
Time setting*	..... 5 sec-60 min
Basic light level	..... 10-50%
IP rating	..... IP66
Protection class	..... I
Material	..... impact-resistant plastic, IK07
Temperature range	..... -20 to +40°C
With lamp	..... STEINEL LED system

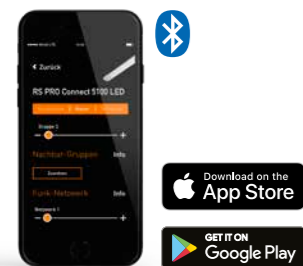
*For sensor-controlled version only



RS PRO Connect 5100 LED detection zone
Possible mounting height: 2.5-4 m
Orange: radial and tangential



RS PRO Connect 5100 LED light distribution curve



Including STEINEL
LED system



Optional basic lighting
level 10-50%



Interconnectable
and adjustable via
Bluetooth



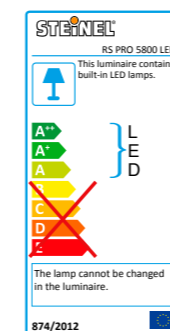
Optional basic light
level 50-100%



Impact-resistant
material rated to IK07



Adjustable mounts for
easy installation





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

IP66

Dust-proof
and jet water
protected



10-50%
basic
brightness



networkable
via cable



shock proof
IK07



soft light
start

TEACH
mode



energy
saving

5 JAHRE
GARANTIE

manufacturer's
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)	33W
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
Functions	Neighbouring group function, presence function, group configuration
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

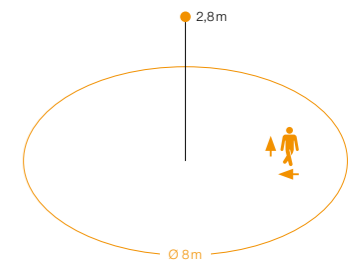
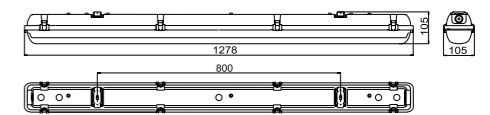
Optional accessories

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

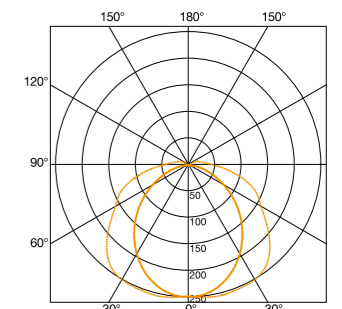
Refer to the 'Accessories' section for further information.



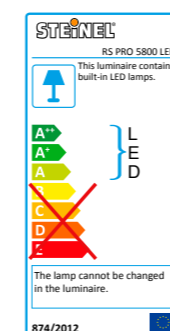
Slave version
without sensor



RS PRO 5800 LED detection zone
Possible mounting height: 2.5-4 m
Orange: radial and tangential



RS PRO 5800 LED light distribution curve



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 304



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

IP66

Dust-proof
and jet water
protected



10-50%
basic
brightness



networkable
via cable



shock proof
IK07



soft light
start

TEACH
mode



energy
saving

5 JAHRE
GARANTIE
manufacturer's
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
Functions	Neighbouring group function, presence function, group configuration
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

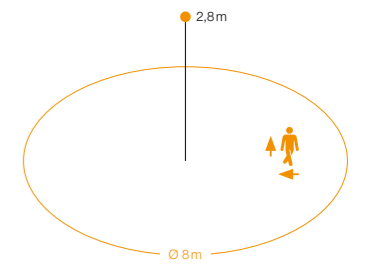
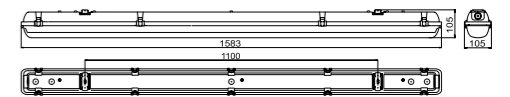
Optional accessories

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

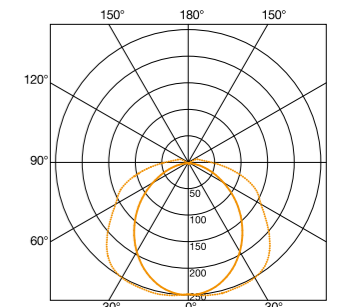
Refer to the 'Accessories' section for further information.



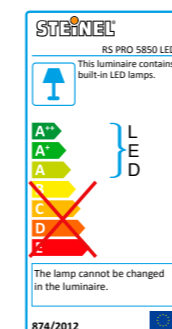
Slave version
without sensor



RS PRO 5850 LED detection zone
Possible mounting height: 2.5-4 m
Orange: radial and tangential



RS PRO 5850 LED light distribution curve



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 304





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



networkable via cable



IP 44

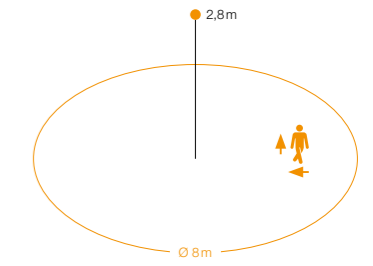
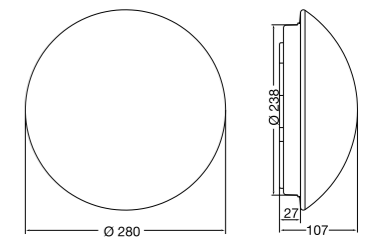


energy saving

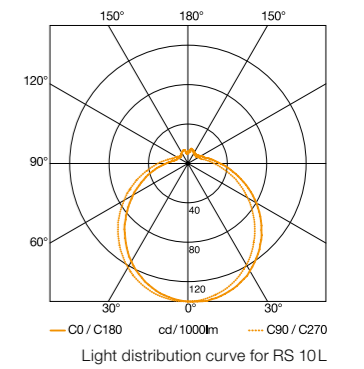
5 JAHRE GARANTIE
manufacturer's warranty

EAN RS 10 L 4007841 730512
 Dimensions (HxWxD) Ø 280 x 110 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 max. 75 W / E27
 Additional switching capacity at L':
 (resistive load, e.g. bathroom / WC extractor fan max. 800 VA
 Angle of coverage 360° with 160° angle of aperture
 Detection also through glass, wood and stud walls
 Reach Ø 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
 IP rating IP44
 Protection class II
 Temperature range -20 to +40°C
 Material Aluminium base and opal glass shade
 Complete with lamp No

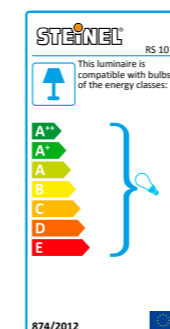
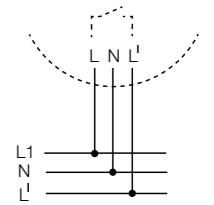
Suitable for incandescent lamps, low-energy lamps and LEDs



RS 10 L detection zone
 Possible mounting height: 2.5-4 m
 Orange: radial and tangential



Light distribution curve for RS 10 L



Long-life aluminium enclosure



Opal glass shade



Up to 5 lights can be interconnected by cable



Facility for connecting 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



networkable via cable



IP 44



shock proof IK07

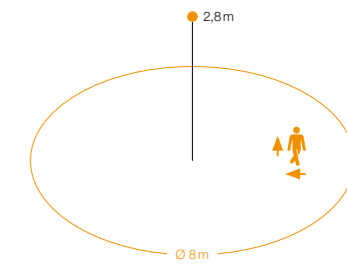
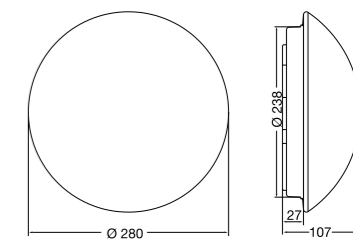


energy saving

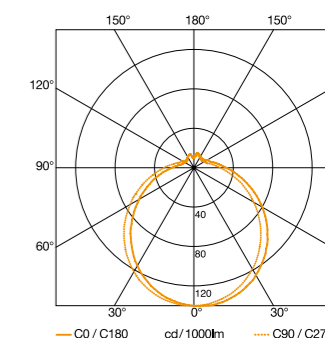
5 JAHRE GARANTIE
 manufacturer's warranty

EAN RS 14 L 4007841 731113
 Dimensions (HxWxD) Ø 280 x 110 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 max. 60W / E27
 Additional switching capacity at L':
 (resistive load, e.g. bathroom / WC extractor fan max. 800 VA
 Angle of coverage 360° with 160° angle of aperture
 Detection also through glass, wood and stud walls
 Reach Ø 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
 IP rating IP44
 Protection class II
 Impact resistance IK07
 Temperature range -20 to +40°C
 Material aluminium base and plastic shade
 Complete with lamp No

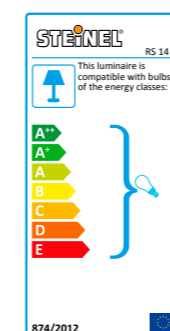
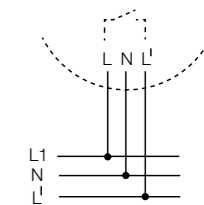
Suitable for incandescent lamps, low-energy lamps and LEDs



RS 14 L detection zone
 Possible mounting height: 2.5-4 m
 Orange: radial and tangential



Light distribution curve for RS 14 L



Long-life aluminium enclosure



Plastic shade



Up to 5 lights can be interconnected by cable



Impact-resistant material rated to IK07



Facility for connecting 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.



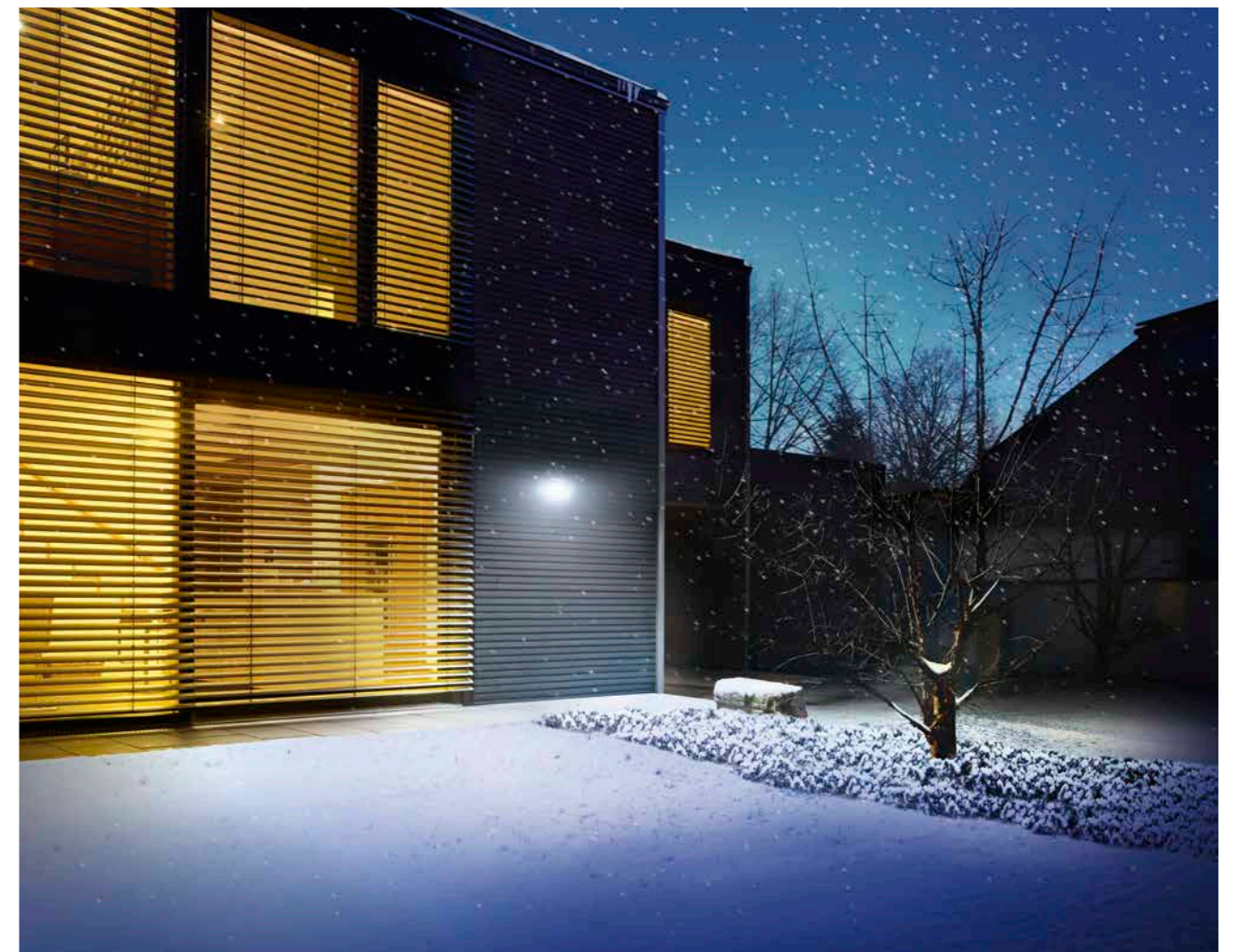
Thought through from the very beginning.

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

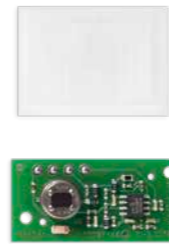
high-performance processor with appropriate software. And because we have combined these components in the most intelligent way possible. In a way that simply makes our solar lights work all the time. No matter whether the sky is blue and the sun is shining – or whether it's snowing. So they keep the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



365TAGE
Light 365 days
of the year

infrared
sensor 140°

8m

1.8m

1,2w
150lm
124lm/W

30qm

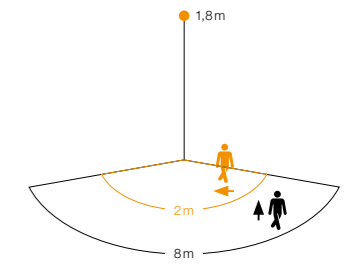
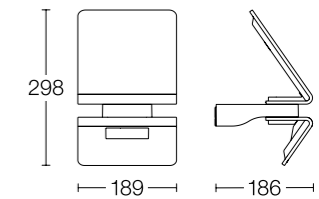
4000K
neutral-white

2 lux

IP44

5JAHRE
GARANTIE
manufacturer's
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	160°
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



XSolar L-S detection zone
Possible mounting height 1.8-2m
Orange: radial
Black: tangential

Daytime charging



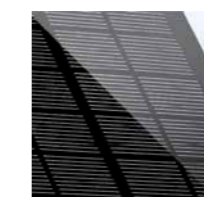
Light when it's needed



Light availability up to 60 days



High-quality mono-crystalline solar panel



Including STEINEL LED system



Optional basic light 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
Light 365 days of the year

infrared sensor 140°

5 m

1 m

1,2w
150lm
124lm/W

20qm

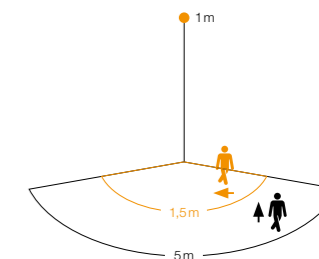
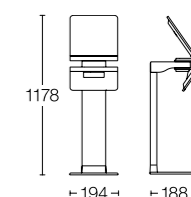
4000K
neutral-white

2 lux

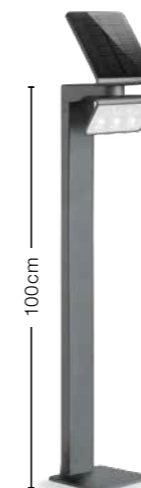
IP44

5 JAHRE GARANTIE
functional warranty

EAN XSolar GL-S anthracite	4007841 009830
Dimensions (H x W x D)	1178 x 194 x 188 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	160°
Reach	5 m
Twilight setting	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



XSolar GL-S detection zone
 Possible mounting height 1 m
 Orange: radial
 Black: tangential



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 light level



Compass for setting the panel to face the optimum direction



Including 2500 mAh lithium iron-phosphate rechargeable battery





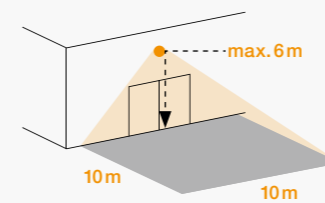
The new XLED PRO floodlights for evenly illuminating rectangular or square areas along buildings.
| 242

XLED

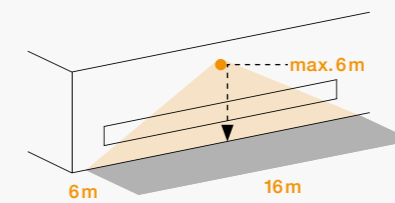


XLED PRO Square XLED PRO Square XL XLED PRO Wide XLED PRO Wide XL XLED PRO 240

Sensor	•	•	•	•	•
Slave	•	•	•	•	•
Interconnectable	•	•	•	•	•
IP rating	IP54	IP54	IP54	IP54	IP44
LED system	24.8 W	48 W	24.8 W	48 W	20 W
Brightness / lumens	2400lm	4400lm	2400lm	4400lm	1830lm
Add. switch. capacity					max. 1000 W
Angle of coverage	240°	240°	240°	240°	240°
Reach	max. 12 m	max. 12 m	max. 12 m	max. 12 m	max. 12 m
Page	246	246	250	250	254



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
97lm/W

48w
4400lm
92lm/W

eNet


4000 K
neutral-white


infrared
sensor 240°


max. 12m

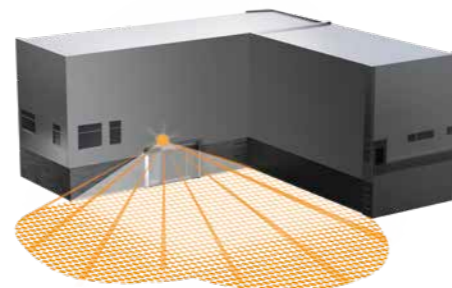

IP 54


360°


manual
override


energy
saving

**5 JAHRE
GARANTIE**
manufacturer's
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

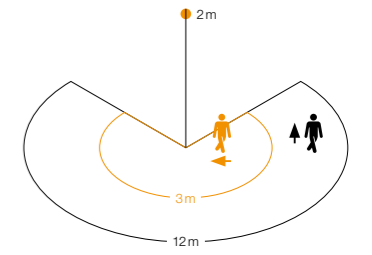
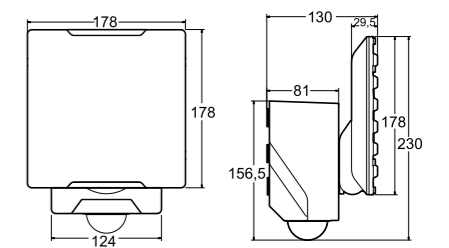
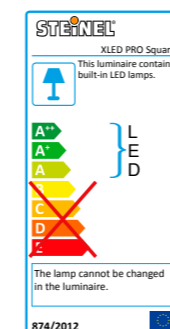
You will find the eNet version on page 290

Dimensions (H x W x D)	230 x 178 x 130 mm
Power supply	220 - 240 V, 50 / 60 Hz
Mounting height	1.8 - 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

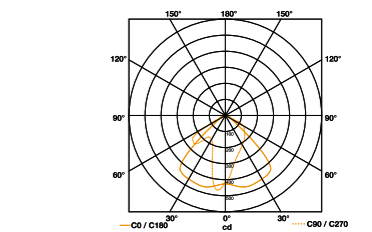
Optional accessories

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

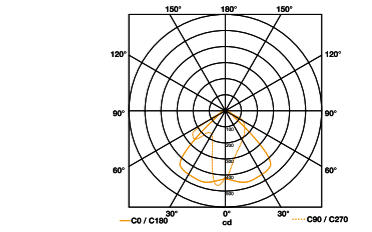
Refer to the 'Accessories' section for further information.



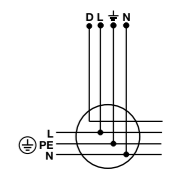
XLEDPRO Square detection zone
Possible mounting height 1.8 - 6 m
Orange: radial
Black: tangential



Light distribution curve for XLED PRO Square



Light distribution curve for XLED PRO Square XL



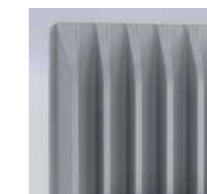
Including STEINEL LED system



UV-resistant plastic



Intelligent LED cooling system



Interconnectable via cable, max. 10 floodlights



Linear basic light level 3%



Optional remote controls refer to page 304



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
(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
manufacturer's 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
 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 ≥ 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.
 Soft light start 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 1.6 kg

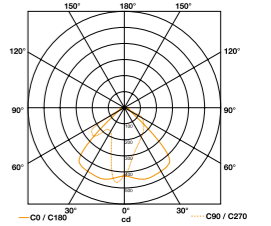
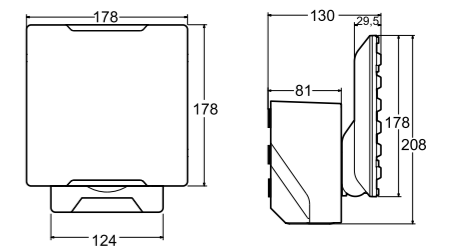
Accessories

EAN Remote control RC9 4007841 007638
 EAN Remote control Smart Remote 4007841 009151
 Refer to the 'Accessories' section for further information.

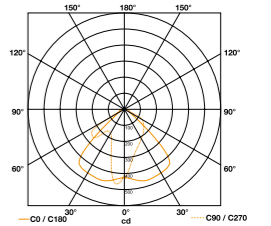


White

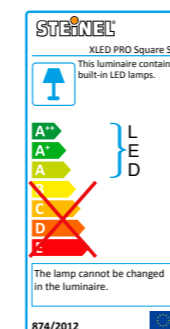
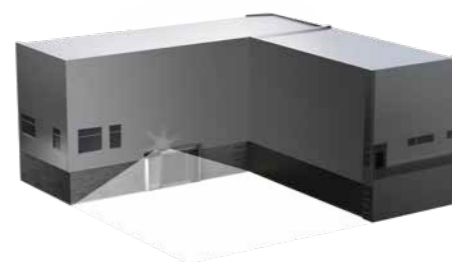
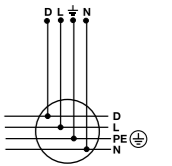
Black



Light distribution curve for XLED PRO Square SL



Light distribution curve for XLED PRO Square XL SL



<p>Including STEINEL LED system</p> 	<p>Intelligent LED cooling system</p> 	<p>Linear basic light level 3% (only when interconnected with master)</p> 
<p>UV-resistant plastic</p> 	<p>Interconnectable via cable, max. 10 floodlights</p> 	<p>Optional remote controls refer to page 304</p> 

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**

manufacturer's
warranty

- EAN XLED Pro Wide, white4007841 010072
- EAN XLED Pro Wide, black4007841 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 290

- Dimensions (H x W x D) 188 x 265 x 126 mm
- Power supply 220 - 240 V, 50 / 60 Hz
- Mounting height. 1.8 - 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.
c) 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

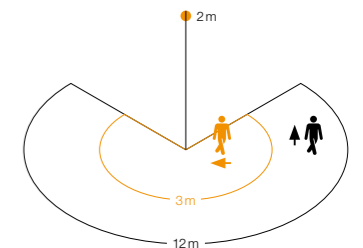
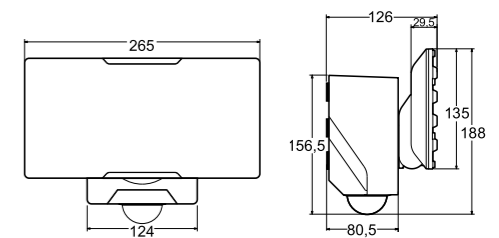
Optional accessories

- EAN Remote control RC94007841 007368
 - EAN Remote control Smart Remote 4007841 009151
- Refer to the 'Accessories' section for further information.

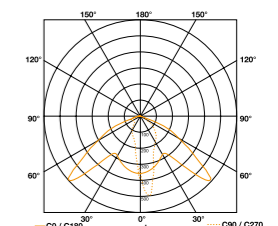


White

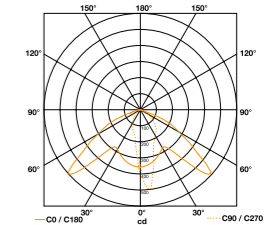
Black



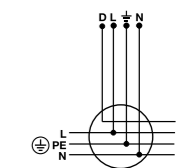
XLEDPRO Wide detection zone
Possible mounting height 1.8 - 6 m
Orange: radial
Black: tangential



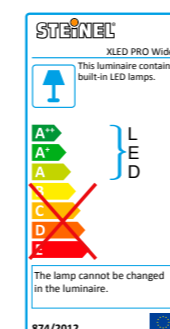
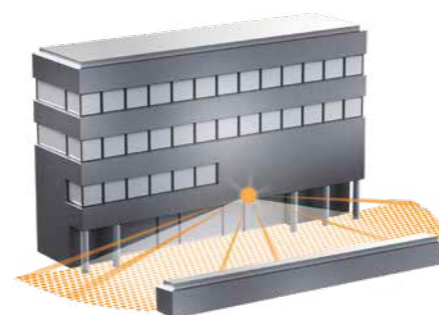
Light distribution curve for XLED PRO Wide



Light distribution curve for XLED PRO Wide XL



Sensor-Switched
Floodlights



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 304



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
(\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
manufacturer's 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 \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)
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

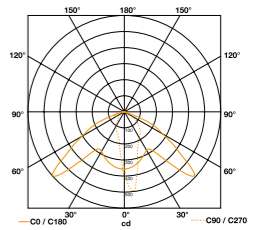
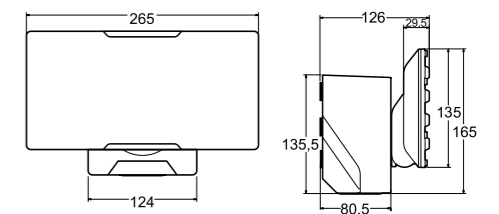
EAN Remote control RC9	4007841 007638
EAN Remote control Smart Remote	4007841 009151

Refer to the 'Accessories' section for further information.

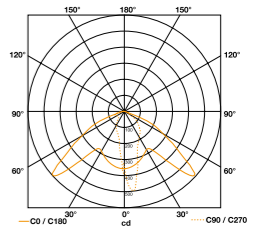


White

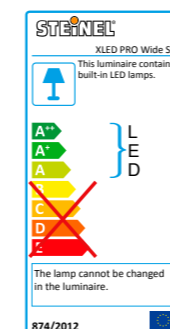
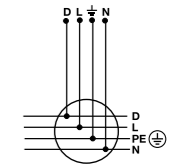
Black



Light distribution curve for XLED PRO Wide SL



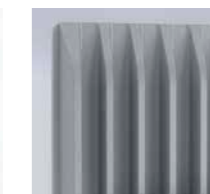
Light distribution curve for XLED PRO Wide XL SL



Including STEINEL LED system



Intelligent LED cooling system



Linear basic light level 3% (only when interconnected with master)



UV-resistant plastic



Interconnectable via cable, max. 10 floodlights



Optional remote controls refer to page 304



XLED PRO 240

Illuminates every corner of the building.

The XLED PRO 240 sensor-switched outdoor floodlight is a lighting and detection wizard. The fully swivelling, extra-slim LED flat panel delivers 1830 lm of light, and is ideal for illuminating large areas around the building with on-demand lighting. In conjunction with 4000 K colour temperature, the opal diffuser produces an inviting lighting mood. The LED floodlight is fitted with a 240° infrared sensor that reliably detects the smallest of movements, has a reach of up to 12 m and makes an effective deterrent to unwanted visitors. With the adapter provided, fitting the light to a wall corner is not a problem. The LED floodlight has a power consumption of only 20 W. The slave version of the XLED PRO 240 SL is simply interconnected with the master version via cable, providing synchronous illumination for even larger areas.



LED

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

20w

1830lm
91,5lm/W



4000 K
neutral-white



infrared
sensor 240°



max. 12m



IP 44



180° horizontal
180° vertical



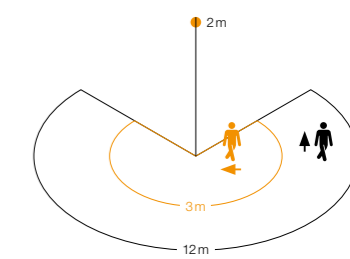
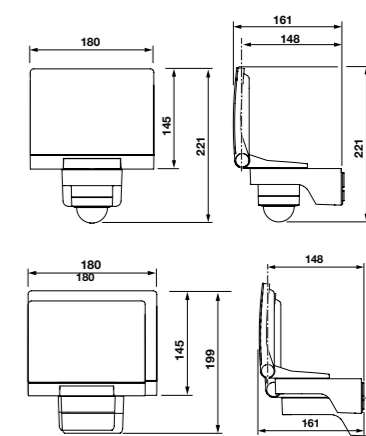
manual
override



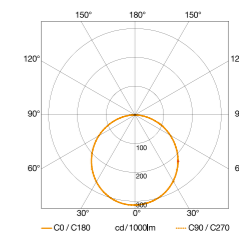
energy
saving

**5 JAHRE
GARANTIE**
manufacturer's
warranty

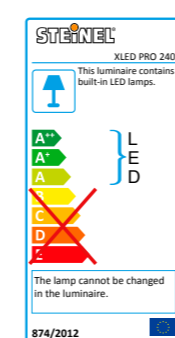
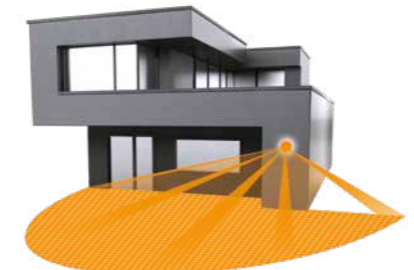
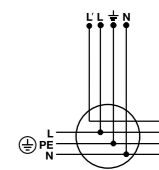
EAN XLED Pro 240, white	4007841 003630
EAN XLED Pro 240, black	4007841 003623
EAN XLED Pro 240, anthracite	4007841 057695
EAN XLED Pro 240 SL, white	4007841 057725
EAN XLED Pro 240 SL, black	4007841 057718
EAN XLED Pro 240 SL, anthracite	4007841 057701
Dimensions (H x W x D)	221 x 180 x 161 mm
Power supply	230 - 240 V, 50 / 60 Hz
Sensor type*	Passive infrared
Mounting height	1.8 - 6 m
Output	20 W
Luminous flux	1830 lm
Efficiency	91.5 lm/W
Colour temperature	4000K / SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	60,000 h (L70B10 to LM80)
LED cooling system	HCMC (High Conductive Magnesium Composite)
LED panel adjustability	180° vertically and 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 - 1000lx
Time setting*	10 sec - 15 min
IP rating	IP44
Protection class	II
Manual override	Selectable, 4 h
Material	UV-resistant plastic (base), HCMC (heat sink)
Temperature range	-20 to +40°C
With lamp	STEINEL LED system
Lamp replaceable	No
Weight	0.62 kg
Accessories included	Corner wall mount

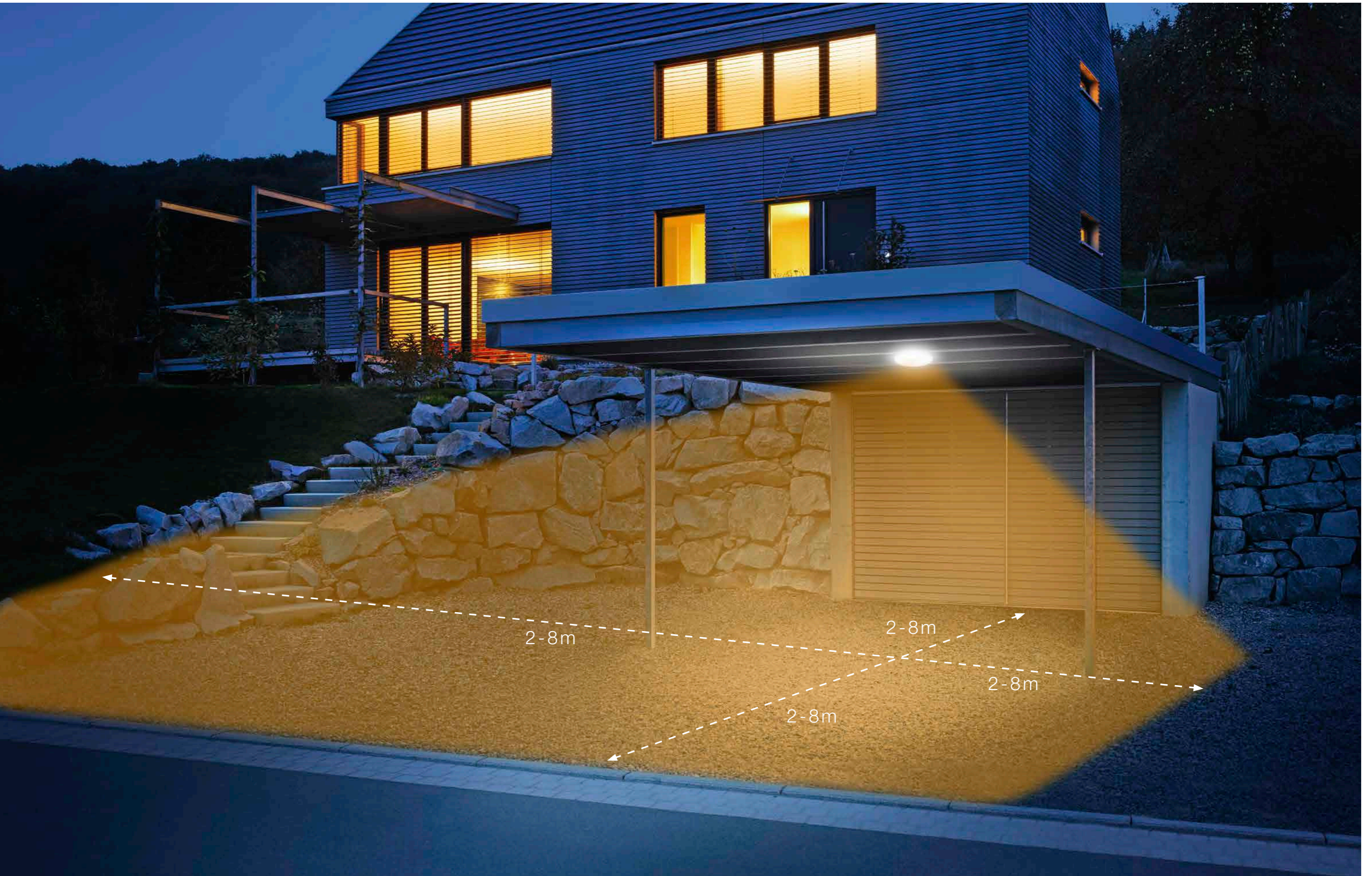


XLED PRO 240 detection zone
Possible mounting height 1.8 - 6 m
Orange: radial
Black: tangential

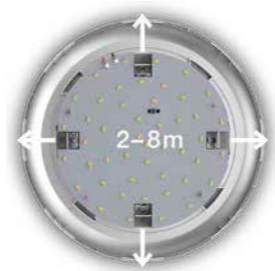


XLED Pro 240 light distribution curve





LED
LONG LIFE



World first:
The light diffuser with a patented honeycomb structure also acts as the sensor lens.

Perfectly adjustable
4 infrared sensors can be adjusted in each direction from 2 - 8m.

The outdoor light that solves all of your problems.

Spot on rather than a rough estimate. This was the goal of our engineers when developing the DL Vario Quattro PRO LED. Switching errors within a large detection zone should be avoided. Thanks to the four integrated precision infrared sensors that can be mechanically adjusted individually in four directions, the DL Vario Quattro PRO LED is capable of detecting precisely where it is necessary. The reach can also be adjusted precisely between 2 and 8 m, meaning that adjacent streets and pathways can be excluded from the detection zone. From the outside, the sensor lenses integrated in the light diffuser are only recognizable as a subtle honeycomb structure and round off the clean design of the light without any obstructions from sensor elements. Another STEINEL invention that reliably provides light precisely where you need it.

DL Vario Quattro PRO LED

Detects precisely where you want it to.

The LED ceiling light with precise detection. The four infrared sensors can be mechanically adjusted in each direction between 2 to 8 m. The 360° all-round detection is ideally suited for optimum adjustment to the local conditions, e.g. carports and overhanging roofs. The light diffuser also acts as the sensor lens - a patented world first. The ceiling light illuminates with 1430 lm at an output of 14 W and can be mounted at heights of up to 6 m, including a convenient basic light function (10%) at twilight. The DL Vario Quattro PRO LED can be easily connected to the network via cable (up to 10 lights). Available in neutral white (4000K) and warm white (3000K) colour temperatures.



4 infrared sensors that can be individually configured

LED

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

14w

1430 lm
102 lm/W



infrared sensor 360°



12x 12m



IP 54



2-1000 lux



5 sec-30 min



connectable via cable



shock proof IK07



manual override



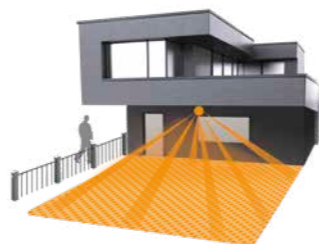
soft light start



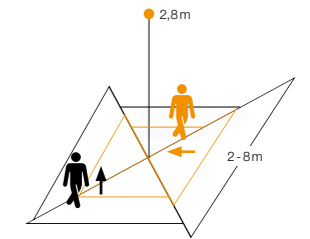
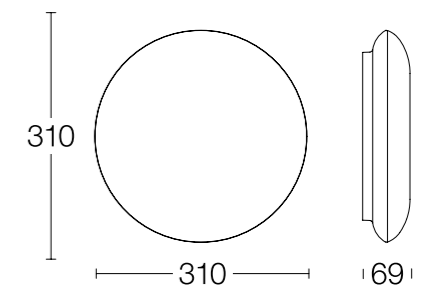
energy saving

5 JAHRE GARANTIE

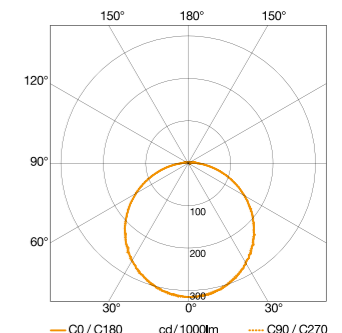
manufacturer's warranty



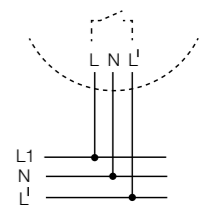
EAN DL Vario Quattro PRO LED, NW, anthracite	4007841 057589
EAN DL Vario Quattro PRO LED, NW, silver	4007841 035495
EAN DL Vario Quattro PRO LED, WW, anthracite	4007841 057596
EAN DL Vario Quattro PRO LED, WW, silver	4007841 035433
Dimensions (\varnothing x D)	\varnothing 310x69mm
Power supply	220-240 V, 50 / 60 Hz
Mounting height	2-6m
Sensor type	Passive infrared, 4 pyros, individually adjustable
Output	14 W
Luminous flux	1430 lm
Efficiency	102 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	Active Thermo Control
Angle of coverage	360°
Reach	16 x 16 m detection area at a mounting height of 2.5 m, can be reduced to 4 x 4 m
Twilight setting	2-1000 lx
Time setting	5 sec-30 min
Basic light level	10%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP54
Protection class	II
Impact resistance	IK07
Temperature range	- 20 to +35°C
Material	UV-resistant plastic (base) and HDPE (shade)
With lamp	STEINEL LED system
Lamps replaceable	No



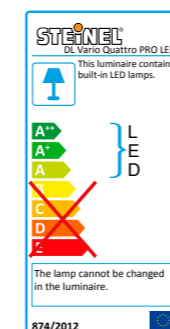
DL Vario Quattro PRO LED detection zone
Possible mounting height 2-6m
Orange: radial
Black: tangential
4 scalable zones



DL Vario Quattro PRO LED light distribution curve



Sensor-Switched
Lights for Outdoors



Up to 10 lights can be interconnected by cable



Including STEINEL LED system



Optional manual override for 4 hours.



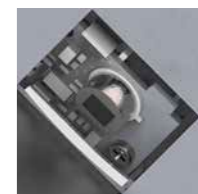
Impact-resistant IK07



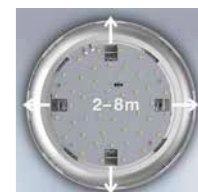
Integrated sensor lenses as patented world first



4 infrared sensors that can be individually configured



Reach can be adjusted from 2-8 m in each direction





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 690 LED

**Timelessly beautiful.
And extremely tough.**

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 sensor-switched outdoor LED 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. Due to the high demand, we took a good look at the L 690 and the 691 LED and have made this system provide even better illumination and even better energy efficiency. These lamps can also be interconnected via cable. This makes this robust and solid outdoor light a pleasure to work with in the professional environment.

**LED
LONG LIFE**



LED

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

9w

753lm
83,7lm/W



3000 K
warm-white



infrared
sensor 360°



max. radius 7m



IP 44



2 - 1000 lux



5 sec - 15 min



connectable
via cable



manual
override

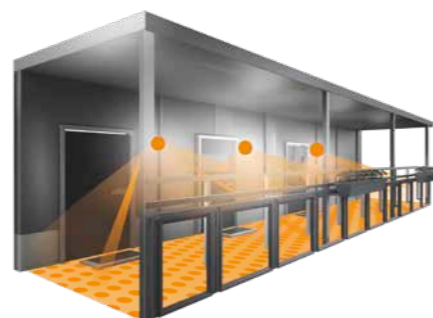


soft light
start

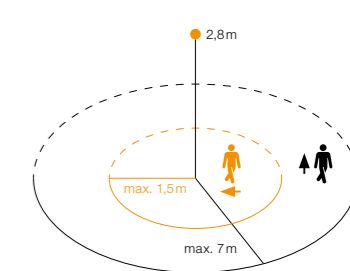
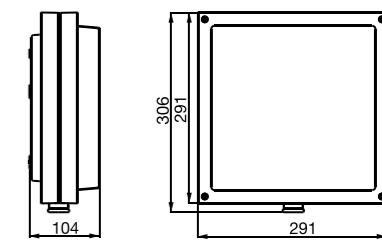


energy
saving

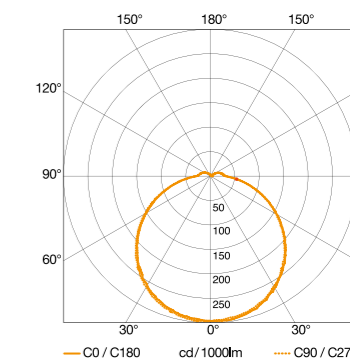
**5 JAHRE
GARANTIE**
manufacturer's
warranty



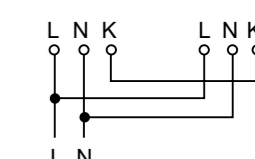
EAN L 690 LED	4007841 053000
Dimensions (H x W x D)	306 x 291 x 104 mm
Power supply	220-240, 50 / 60 Hz
Sensor type	Passive infrared
Output	9 W
Luminous flux	753 lm
Efficiency	83.7 lm/W
Colour temperature	3000 K / SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360° with sneak-by guard
Capability of masking out individual segments	Yes
Reach	max. radius 7 m
Sensor system	2 detection levels, 512 switching zones
Twilight setting	2-1000lx
Time setting	5 sec - 15 min
Basic light level	10%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP44
Protection class	II
Impact resistance	IK07
Temperature range	-10 to +50°C
Material	Aluminium base with PMMA shade
With lamp	STEINEL LED system
Lamp replaceable	No
Sheet of house numbers	included



L690LED detection zone
Possible mounting height 1.8 - 3m
Orange: radial
Black: tangential



Light distribution curve for L 690 LED



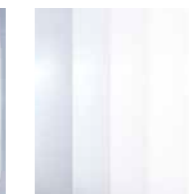
Including STEINEL
LED system



Sensor with 4 intelli-
gent programs



Intelligent
soft light start



Interconnectable via
cable (K-Line)



Optional basic
light level of 10%



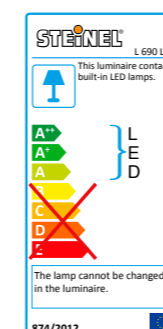
High-quality aluminium



Impact-resistant IK07



Includes sheet
of self-adhesive
house numbers



L 691 LED

**Perfectly guarded.
Perfectly equipped.**

Footballs 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)

9w

753lm
83,7lm/W



3000 K
warm-white



infrared
sensor 360°



max. radius 7m



IP 44



2 - 1000 lux



5 sec - 15 min



connectable
via cable



manual
override

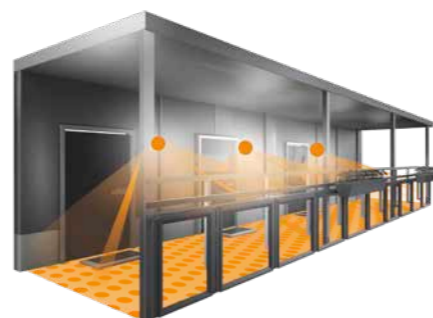


soft light
start

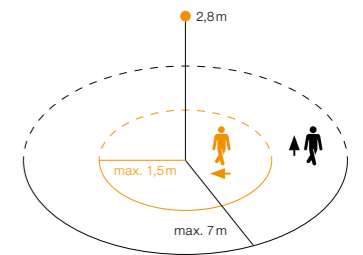
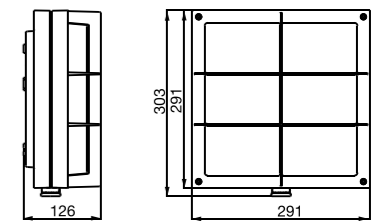


energy
saving

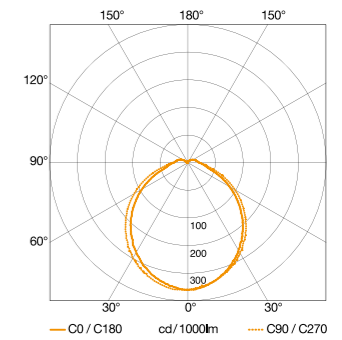
**5 JAHRE
GARANTIE**
manufacturer's
warranty



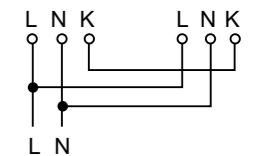
EAN L 690 LED	4007841 053031
Dimensions (HxWxD)	303 x 291 x 126 mm
Power supply	220-240, 50 / 60 Hz
Sensor type	Passive infrared
Output	9 W
Luminous flux	753 lm
Efficiency	83.7 lm/W
Colour temperature	3000 K / SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360° with sneak-by guard
Capability of masking out individual segments	Yes
Reach	max. radius 7 m
Sensor system	2 detection levels, 512 switching zones
Twilight setting	2 - 1000lx
Time setting	5 sec - 15 min
Basic light level	10%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP44
Protection class	II
Impact resistance	IK07
Temperature range	-10 to +50°C
Material	Aluminium base with PMMA shade
With lamp	STEINEL LED system
Lamps replaceable	No



L691 LED detection zone
Possible mounting height 1.8 - 3m
Orange: radial
Black: tangential



Light distribution curve for L 691 LED



Including STEINEL
LED system



Intelligent
soft light start



Optional basic
light level of 10%



Impact-resistant IK07



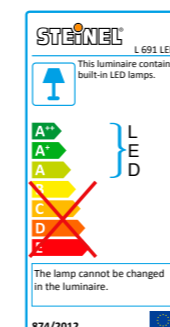
Sensor with 4 intelli-
gent programs



Interconnectable via
cable (K-Line)



High-quality aluminium



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)

10w

655lm
65lm/W



3000 K
warm-white



infrared
sensor 360°



max. Radius 7 m



IP 44



2-1000 lux



5 sec-15 min



manual
override



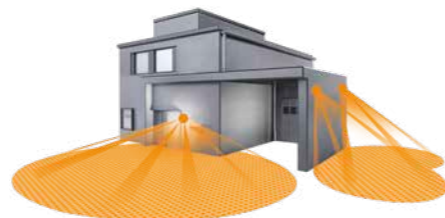
soft light
start



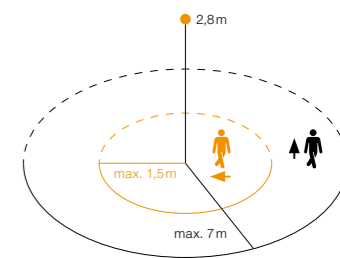
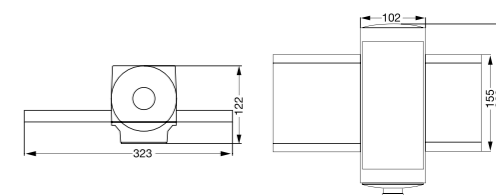
energy
saving

5 JAHRE GARANTIE

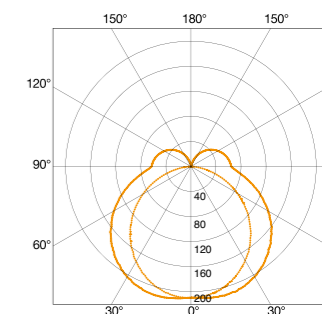
manufacturer's
warranty



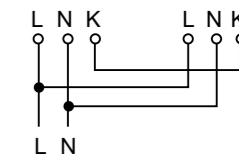
EAN L 665 LED	.....4007841 053949
Dimensions (H x W x D)	.....269 x 323 x 122 mm
Power supply	..... 220-240 V, 50 / 60 Hz
Sensor type	..... Passive infrared
Output	..... 10 W
Luminous flux	..... 655 lm
Efficiency	..... 65 lm/W
Colour temperature	..... 3000 K / SDCM 3
Colour rendering	..... Ra \geq 80
LED life expectancy	..... 50,000 h (L70B10 to LM80)
LED cooling system	..... Passive Thermo Control
Angle of coverage	..... 360° with sneak-by guard
Capability of masking out individual segments	..... Yes
Reach	..... max. radius 7 m
Sensor system	..... 2 detection levels, 512 switching zones
Twilight setting	..... 2-1000 lx
Time setting	..... 5 sec-15 min
Basic light level	..... 10%
Soft light start	..... Yes
Manual override	..... Selectable, 4 h
IP rating	..... IP44
Protection class	..... II
Temperature range	..... -20 to +50°C
Material	..... Aluminium
With lamp	..... STEINEL LED system
Lamps replaceable	..... No
Sheet of house numbers	..... included



L665 LED detection zone
Possible mounting height 1.8-3 m
Orange: radial
Black: tangential



Light distribution curve for L 665 LED



Panel provides space
for a 3-digit house
number



Intelligent
soft light start



Optional basic
light level of 10%



Panel can be moved
to the left or right



Interconnectable by
cable (K-Line)



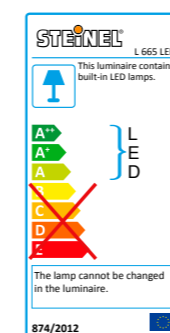
Sensor with 4 intelli-
gent programs



High-quality aluminium



Includes 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
30 years
(Ø 4,5h/day)

9w
595lm
66lm/W

3000 K
warm-white

infrared sensor 360°

max. Radius 7 m

IP 44

2-1000 lux

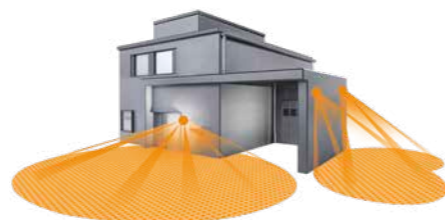
5 sec-15 min

manual override

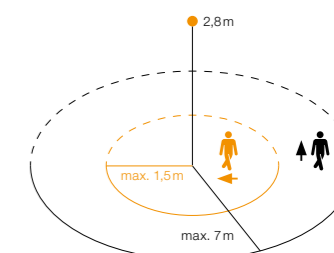
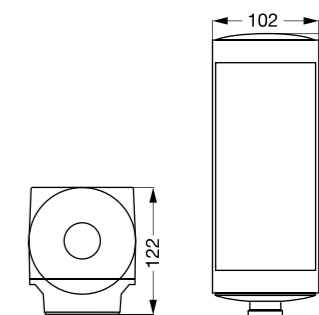
soft light start

energy saving

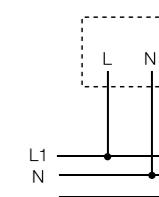
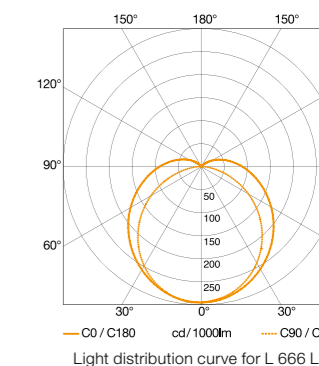
5 JAHRE GARANTIE
manufacturer's warranty



EAN L 666 LED	4007841 053116
Dimensions (H x W x D)	269 x 102 x 122 mm
Power supply	220-240 V, 50 / 60 Hz
Sensor type	Passive infrared
Output	9 W
Luminous flux	595 lm
Efficiency	66 lm/W
Colour temperature	3000 K / 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 sneak-by guard
Capability of masking out individual segments	Yes
Reach	max. radius 7 m
Sensor system	2 detection levels, 512 switching zones
Twilight setting	2-1000 lx
Time setting	5 sec-15 min
Basic light level	10%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP44
Protection class	II
Temperature range	-20 to +50°C
Material	Aluminium
With lamp	STEINEL LED system
Lamps replaceable	No
Sheet of house numbers	included

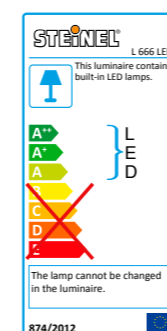


L 666 LED detection zone
Possible mounting height 1.8-3m
Orange: radial
Black: tangential



Sensor-Switched
Lights for Outdoors

<p>Including STEINEL LED system</p>	<p>Intelligent soft light start</p>	<p>Optional basic light level of 10%</p>
<p>Interconnectable by cable (K-Line)</p>	<p>Sensor with 4 intelligent programs</p>	<p>High-quality aluminium</p>
		<p>Includes sheet of self-adhesive house numbers</p>



L 330 LED

Stylish, practical and impact-resistant.

The L 330 LED and L 331 LED sensor-switched outdoor lights bring pleasant, even lighting to your outside wall. Sleek, minimalist design makes it particularly suitable for driveways, garages or stairwells, and the round lamp cover distributes light for illumination that's full of atmosphere. Incidentally, we have given these lights the very latest control system that's even capable of synchronizing several lights. The lamps can also be connected to the network via cable. This makes this robust and solid outdoor light a pleasure to work with in the professional environment.



LED

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

9w

753lm
83,7lm/W



3000 K
warm-white



infrared
sensor 360°



max. radius 7m



IP 44



2 - 1000 lux



5 sec - 15 min



connectable
via cable



manual
override

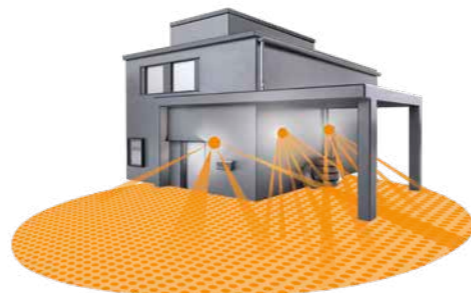


soft light
start

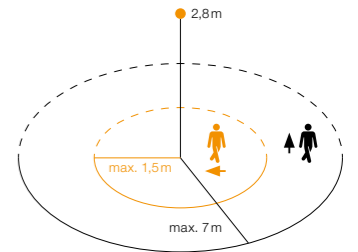
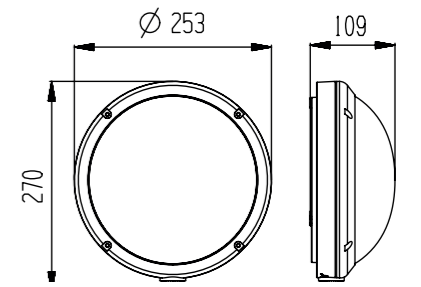


energy
saving

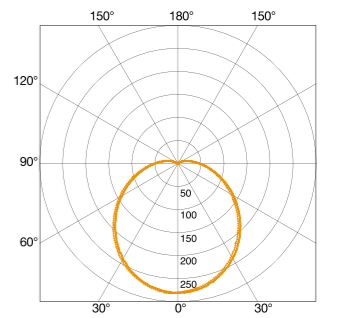
5 JAHRE
GARANTIE
manufacturer's
warranty



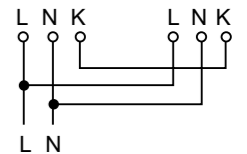
EAN L 330 LED	4007841 053079
Dimensions (H x W x D)	109 x 253 x 270 mm
Power supply	220-240 V, 50 / 60 Hz
Sensor type	Passive infrared
Output	9 W
Luminous flux	753 lm
Efficiency	83.7 lm/W
Colour temperature	3000 K / SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360° with sneak-by guard
Capability of masking out individual segments	Yes
Reach	max. radius 7 m
Sensor system	2 detection levels, 512 switching zones
Twilight setting	2 - 1000 lx
Time setting	5 sec - 15 min
Basic light level	10%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP44
Protection class	II
Impact resistance	IK10
Temperature range	-10 to +50°C
Material	Plastic base with PMMA shade
With lamp	STEINEL LED system
Lamps replaceable	No



L330LED detection zone
Possible mounting height 1.8 - 3 m
Orange: radial
Black: tangential



Light distribution curve for L 330 LED



Including STEINEL
LED system



Intelligent
soft light start



Interconnectable by
cable (K-Line)



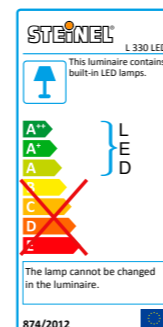
Sensor with 4 intelli-
gent programs



UV-resistant plastic



Impact-resistant IK10



L 331 LED

Stylish, practical and impact-resistant.

The L 330 LED and L 331 LED sensor-switched outdoor lights bring pleasant, even lighting to your outside wall. Sleek, minimalist design makes it particularly suitable for driveways, garages or stairwells, and the round lamp cover distributes light for illumination that's full of atmosphere. Incidentally, we have given these lights the very latest control system that's even capable of synchronizing several lights. The lamps can also be connected to the network via cable. This makes this robust and solid outdoor light a pleasure to work with in the professional environment.



LED

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

9w

753lm
83,7lm/W



3000 K
warm-white



infrared
sensor 360°



max. radius 7m



IP 44



2 - 1000 lux



5 sec - 15 min



connectable
via cable



manual
override



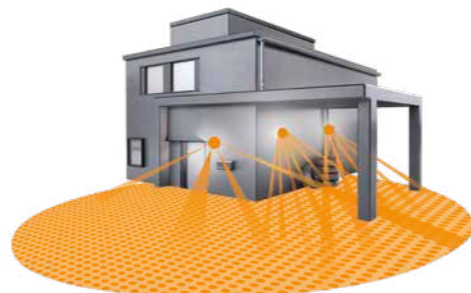
soft light
start



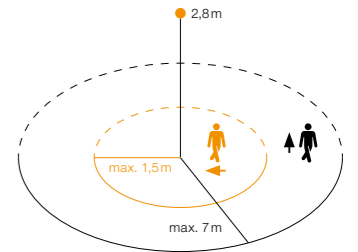
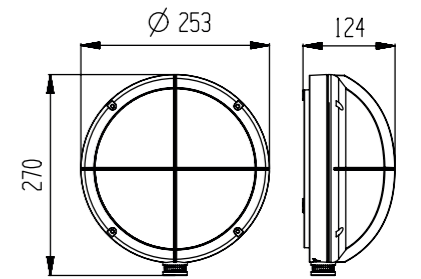
energy
saving

5 JAHRE GARANTIE

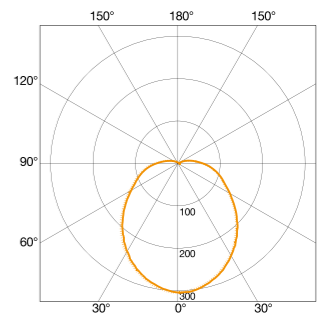
manufacturer's
warranty



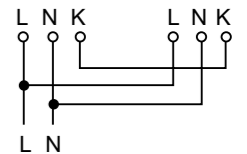
EAN L 331 LED	4007841 053093
Dimensions (H x W x D)	124 x 253 x 270 mm
Power supply	220-240 V, 50 / 60 Hz
Sensor type	Passive infrared
Output	9 W
Luminous flux	753 lm
Efficiency	83.7 lm/W
Colour temperature	3000 K / SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360° with sneak-by guard
Capability of masking out individual segments	Yes
Reach	max. radius 7 m
Sensor system	2 detection levels, 512 switching zones
Twilight setting	2 - 1000 lx
Time setting	5 sec - 15 min
Basic light level	10%
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP44
Protection class	II
Impact resistance	IK10
Temperature range	-10 to +50°C
Material	Plastic base with PMMA shade
With lamp	STEINEL LED system
Lamps replaceable	No



L 331 LED detection zone
Possible mounting height 1.8 - 3 m
Orange: radial
Black: tangential



Light distribution curve for L 331 LED



Including STEINEL
LED system



Intelligent
soft light start



Interconnectable by
cable (K-Line)



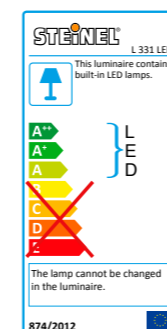
Sensor with 4 intelli-
gent programs



UV-resistant plastic



Impact-resistant IK10



The iHF outdoor light.
Aesthetic lighting perfectly controlled.



L 825 LED iHF

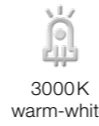
**Stunning lighting solutions on the wall of your home.
With invisible sensor technology.**

Our L 825 LED iHF is synonymous with unique design, impressive lighting aesthetics, high efficiency and outstanding sensor technology. Just because the intelligent high-frequency sensor is installed completely out of view doesn't mean it is any less efficient. On the contrary: it detects people approaching from any direction and can distinguish them from small animals. And its reach can be adjusted exactly as required. Which means it only switches light on when needed - masterfully showing off your home at its best.

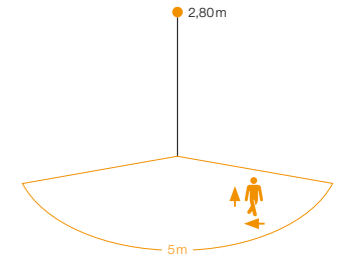
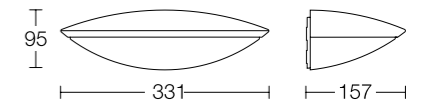
L 825 LED iHF Downlighter

Classic outside. Futuristic inside. iHF sensor invisible and perfect.

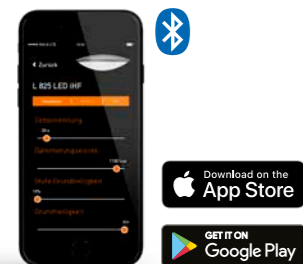
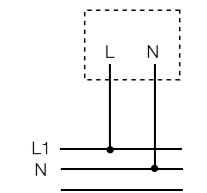
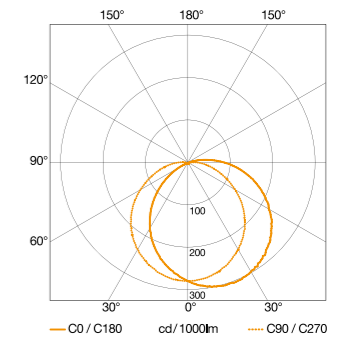
Some like it classic. This is why we have combined pioneering technology and customisable functionality from the iHF series with timeless design. The result - the L 825 LED iHF - brings permanent aesthetic appeal to your entrance. Only when necessary, of course: the sensor detects persons from any walking direction - and can distinguish them from small animals. And it remains completely invisible. With minimal energy consumption and the incredibly long life expectancy of the LEDs, so too are its running costs.



EAN L 825 LED iHF, anthracite	4007841 059903
Dimensions (HxWxD)	95.1 x 331 x 157 mm
Power supply	220-240 V, 50/60 Hz
Sensor type	iHF (intelligent high-frequency technology)
Transmission power	approx. 1 mW
HF system	5.8 GHz
Output	12 W
Luminous flux	770 lm
Efficiency	63 lm/W
Colour temperature	3000K / SDCM 3
Colour rendering	Ra ≥ 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Active and Passive Thermo Control
Detection angle	160° with sneak-by guard
Reach	1-5 m
Twilight setting	2-2000 lx
Time setting	5 sec-15 min
Basic light level	10-50% (via app)
Main light	10-100% (via app)
Soft light start	yes
Manual override	selectable, 4 h
IP rating	IP44
Protection class	II
Material	aluminium, UV-resistant plastic
Temperature range	-20 to +50°C
With lamp	STEINEL LED system



L 825 LED iHF detection zone
Possible mounting height 1.8 - 2.5 m
Orange: radial and tangential



Including STEINEL LED system



Basic light level function 10-50% (via app)



Concealed iHF sensor



Main light level 10-100% (via app)



Intelligent soft light start



Optional 4-hour manual override



Interconnectable and adjustable via Bluetooth



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



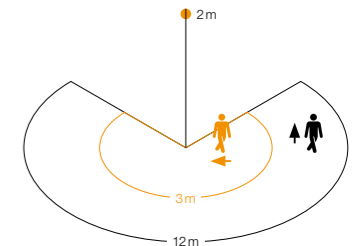
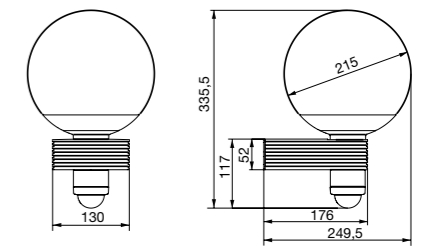
manual override



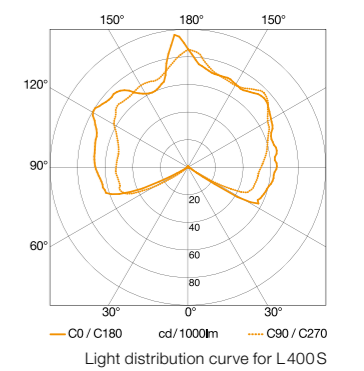
energy saving

5 JAHRE GARANTIE
manufacturer's 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



L 400 S detection zone
Possible mounting height 1.8-6m
Orange: radial
Black: tangential

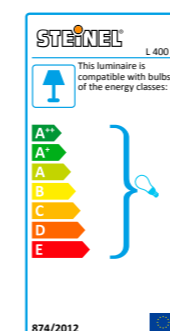
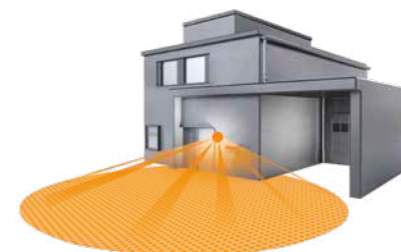
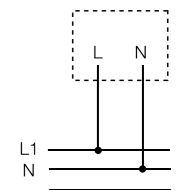


Light distribution curve for L 400 S



White

Black



Crystal glass shade



Optional basic light level of 0-50%



UV-resistant plastic





The smart home standard for the trade.

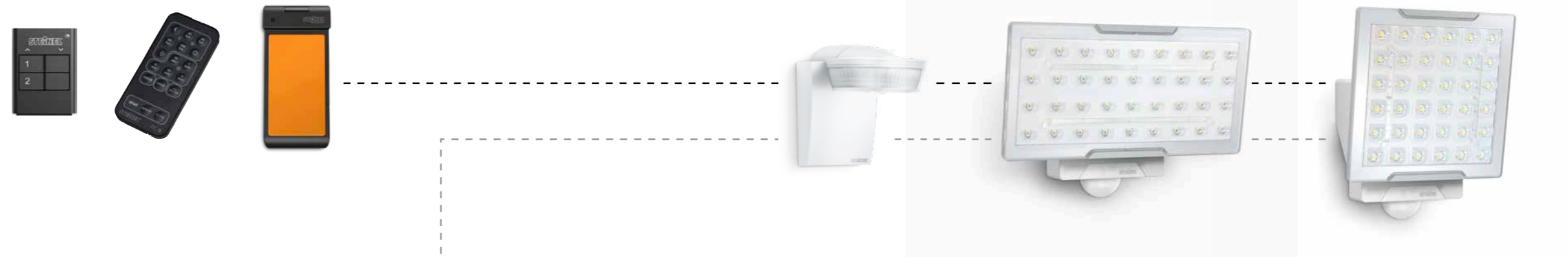
eNet

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 is smart, user-friendly, versatile, quickly installed, upgradable, energy-efficient and future-proof.

BRUMBERG GIRA HÄFELE
JUNG SSS SIEDLE STEINEL[®] tado[°]
PROFESSIONAL



Option 1: Fast interconnection
of all STEINEL eNet products



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

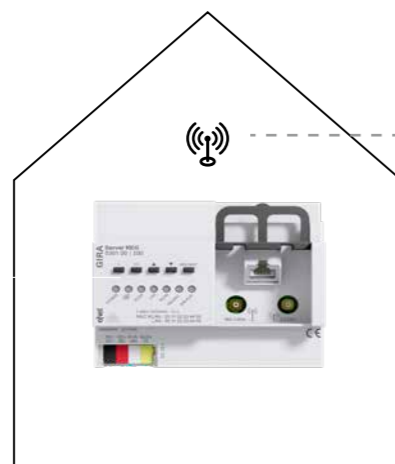
XLED PRO Wide eNet

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

Option 2: Full smart home wireless interconnection



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

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



Simple configuration via tablet or smartphone. eNet Mobile Gate also makes the system very easy for end users 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



IR remote control RC9

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

EAN 4007841 007638



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!



IR



Bluetooth®

Remote control Smart Remote

Settings are made conveniently via a smartphone or tablet. A universal remote control that replaces the RC1 – RC10.
EAN 4007841 009151

The STEINEL App. Control by Bluetooth.

The STEINEL app can also be used without Smart Remote for controlling Bluetooth-capable luminaires. This makes it easy and convenient to make all sensor and lighting settings. We are constantly expanding our range of Bluetooth-capable luminaires.

EAN Smart Remote 4007841 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
Unit 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

Accessories for Motion Detectors (sensIQ and iHF 3D)



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 remote control RC9

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

EAN 4007841 007638



Smart Remote

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

EAN 4007841 009151



Floating module MPF

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

EAN 4007841 609115



iHF 3D



iHF 3D KNX

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



sensIQ



sensIQ KNX



sensIQ S



sensIQ S KNX

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	•			

Accessories for Motion Detectors (3000-Series)



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



Smart Remote

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



Corner wall mount 04

- EAN white 4007841 035174
- EAN black 4007841 648015



IS 3180 IS 3360 IS 3360 MX Highbay HF 3360 IS 345 IS 345 MX Highbay NightMatic 5000-3 Light Sensor Dual

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	•			•				•
Ceiling box Ø68 mm	EAN 4007841 052812		•	•	•	•	•		•
Trim IR black, surf.-m., square	EAN 4007841 056711	•	•	•			•	•	•
Trim IR black, concealed, square	EAN 4007841 056728	•	•	•			•	•	•
Trim IR black, surf.-m., round	EAN 4007841 056735		•				•		•
Trim IR black, concealed, round	EAN 4007841 056742		•				•		•
Trim HF black, surf.-m., square	EAN 4007841 056674						•		
Trim HF black, concealed, square	EAN 4007841 056681						•		
Trim HF black, surf.-m., round	EAN 4007841 056698						•		
Trim HF black, concealed, round	EAN 4007841 056704						•		



Ceiling box Ø68mm

For fitting in suspended ceilings
EAN 4007841 052812



Trim black

For infrared sensors

- | | | | |
|-----------------------------|----------------|-----------------------------|----------------|
| EAN surface-mounted, square | 4007841 056711 | EAN surface-mounted, square | 4007841 056674 |
| EAN concealed, square | 4007841 056728 | EAN concealed, square | 4007841 056681 |
| EAN surface-mounted, round | 4007841 056735 | EAN surface-mounted, round | 4007841 056698 |
| EAN concealed, round | 4007841 056742 | EAN concealed, round | 4007841 056704 |

For high-frequency sensors



IS 3180 KNX IS 3360 KNX IS 3360 MX Highbay KNX HF 3360 KNX IS 345 KNX IS 345 MX Highbay KNX Light Sensor Dual KNX

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	•			•				
Corner wall mount 04, black	EAN 4007841 648015	•			•				
Ceiling box Ø68 mm	EAN 4007841 052812		•	•	•	•	•		•
Trim IR black, surf.-m., square	EAN 4007841 056711	•	•	•			•	•	•
Trim IR black, concealed, square	EAN 4007841 056728	•	•	•			•	•	•
Trim IR black, surf.-m., round	EAN 4007841 056735		•				•		•
Trim IR black, concealed, round	EAN 4007841 056742		•				•		•
Trim HF black, surf.-m., square	EAN 4007841 056674						•		
Trim HF black, concealed, square	EAN 4007841 056681						•		
Trim HF black, surf.-m., round	EAN 4007841 056698						•		
Trim HF black, concealed, round	EAN 4007841 056704						•		

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



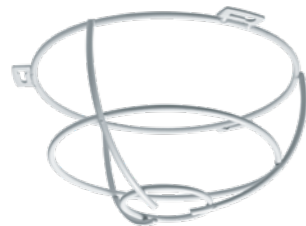
IR service remote control RC8

- 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



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



Ceiling box Ø68 mm

For fitting in suspended ceilings
EAN 4007841 052812



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 corresponding EAN.



		IR Quattro HD	IR Quattro	IR Quattro MICRO	IR Quattro SLIM XS	IR Quattro SLIM	HF360	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						•	•
Surf.-mounting adapter AP Box	EAN 4007841 000363	•	•				•	•
Ceiling box Ø68 mm	EAN 4007841 052812	•	•	•	•	•	•	•
Guard cage	EAN 4007841 003036	•	•				•	•
6 m extension cable	EAN 4007841 006419					•		



		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	•	•	•	•
Ceiling box Ø68 mm	EAN 4007841 052812	•	•	•	•
Guard cage	EAN 4007841 003036	•	•	•	•



		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

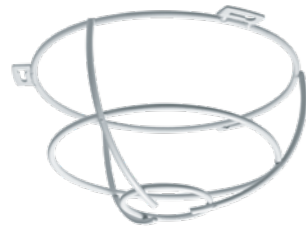
EAN 4007841 592912



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



Ceiling box Ø68 mm

For fitting in suspended ceilings
EAN 4007841 052812



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 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 corresponding EAN.



		IR Quattro HD KNX	IR Quattro KNX	IR Quattro MICRO KNX	IR Quattro SLIM XS KNX	IR Quattro SLIM KNX	HF360 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						•	•
Surf.-m. adapter AP Box KNX	EAN 4007841 003029	•	•				•	•
Ceiling box Ø68 mm	EAN 4007841 052812	•	•	•	•	•	•	•
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	•	•	•	•
Ceiling box Ø68 mm	EAN 4007841 052812	•	•	•	•
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	•	•	•

Accessories for RS PRO and XLED PRO

RS
PRO
SYSTEM



IR service remote control RC10 for RS PRO 5800 / 5850 LED

- Stay-ON time
- Twilight setting
- HF reach
- Basic light level function
- Swarm function
- Install mode
- Remote group setting
- Reset

EAN 4007841 008925



IR service remote control RC10 for RS PRO LED Q1

- Stay-ON time
- Twilight setting
- HF reach
- Basic light level function
- Install mode
- Remote group setting
- Reset

EAN 4007841 007645



Designer ring AV

- Prevents fingers from getting in behind the base

EAN S1 4007841 667511
EAN S2 4007841 667610



IR remote control RC9

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

EAN 4007841 007638



Smart Remote

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

EAN 4007841 009151



Remote control RC10	EAN 4007841 007645	•					
Remote control RC10	EAN 4007841 008925						•
Smart Remote	EAN 4007841 009151	•	•	•	•	App	•
Designer ring AV S1	EAN 4007841 667511			•			
Designer ring AV S2	EAN 4007841 667610				•		



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

Sensor Technology at a Glance

1. Motion Detectors	18	4. Solar Lights	230
2. Presence Detectors	84	5. Sensor-Switched Floodlights for Outdoors	242
3. High-Frequency Sensor-Switched Lights for Indoors	182	6. Sensor-Switched Lights for Outdoors	256
		7. eNet	286



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

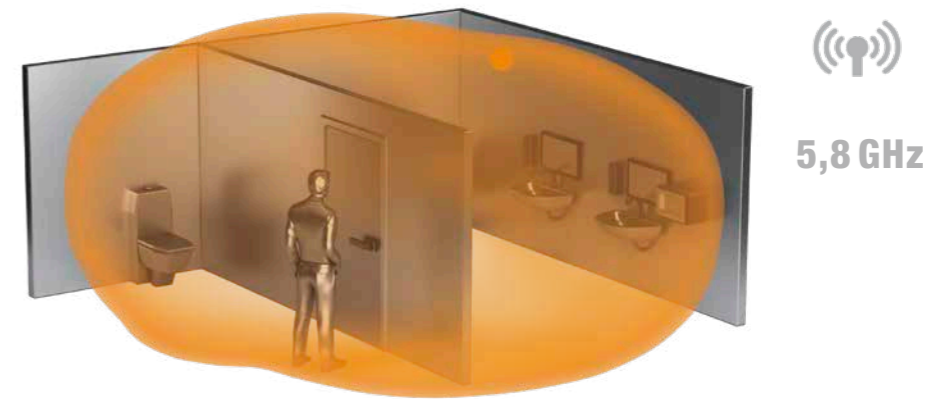
Passive infrared

Responds to moving sources of heat.



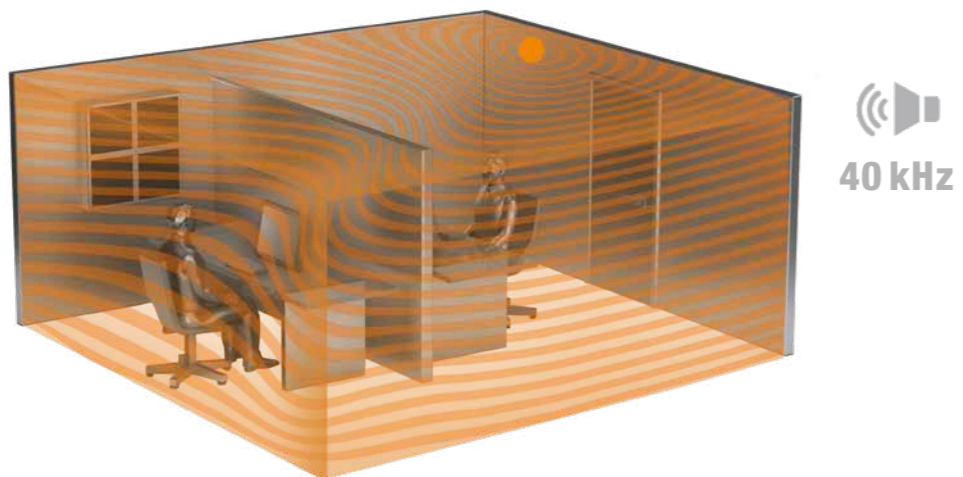
High frequency

Can even see through thin walls.



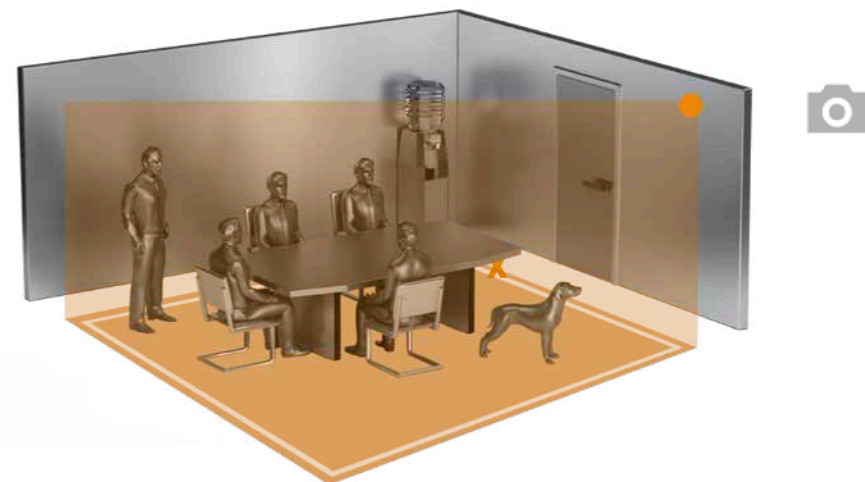
Ultrasonic

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.



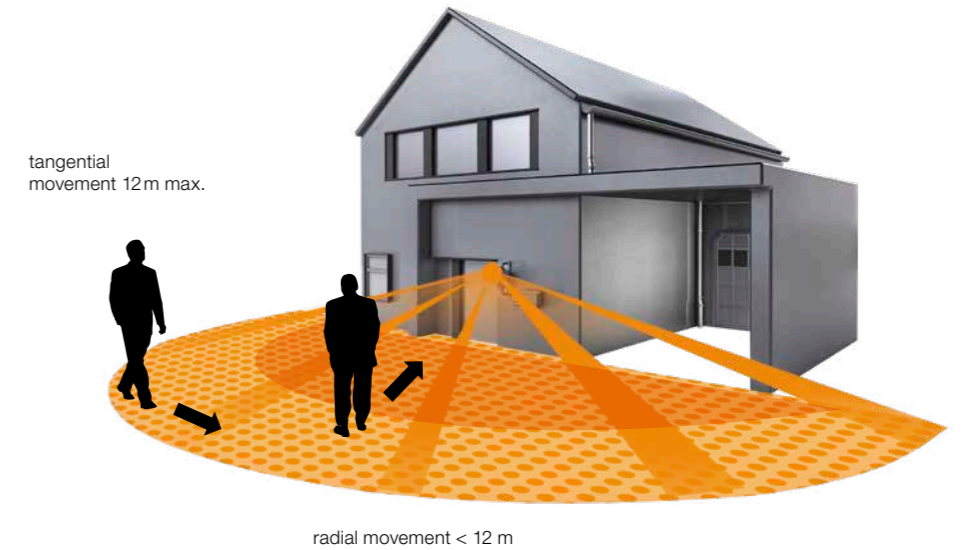
How does it work:

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).

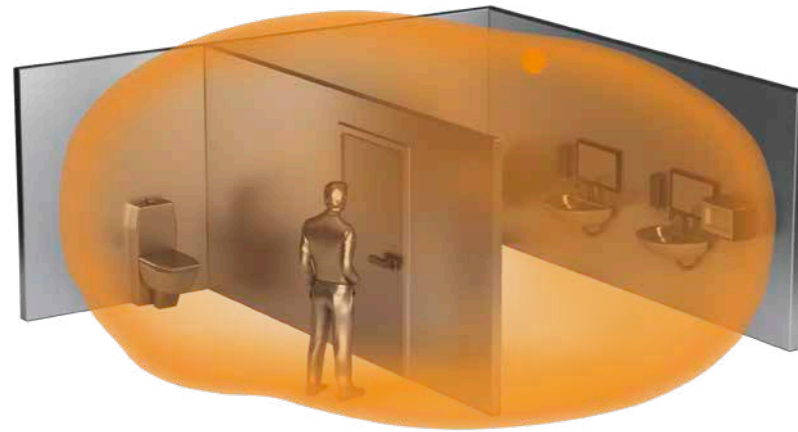


Time setting

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.



RS PRO LED S1

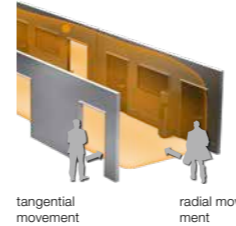
STEINEL high-frequency sensors detect movements irrespectively of body temperature and direction of movement. They provide complete coverage and switch light ON instantly. Integrated into the light to leave them invisible from the outside, lights can be created in particularly attractive designs, especially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



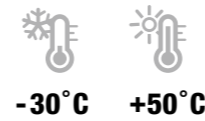
Penetrating detection

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



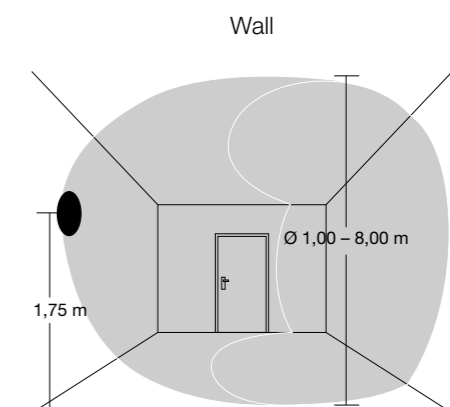
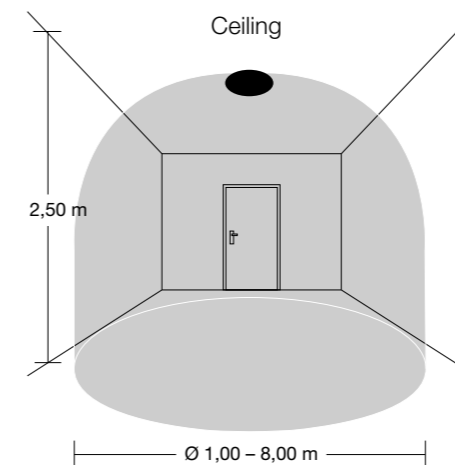
Optional concealed installation

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.



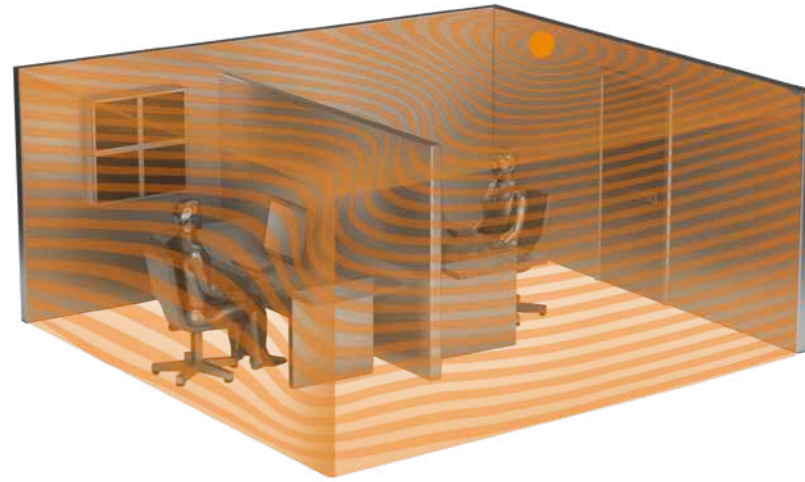
Perfect whether cold or hot

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.



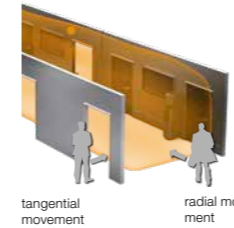
US 360

Application - Indoors



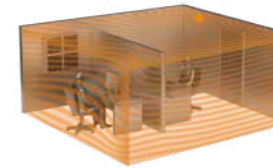
Active not passive

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.



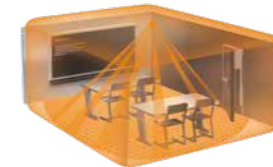
Tangential = radial

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.



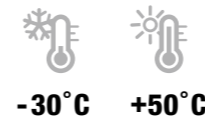
Fills the entire room

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.

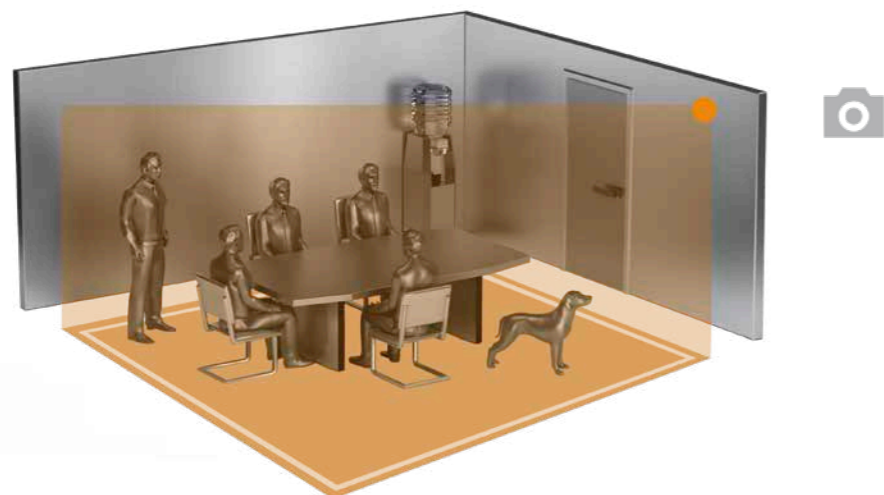


Perfect whether cold or hot

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.



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.

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.



Persons: 2

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.



HPD2

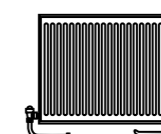
This is how it works:

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.

System integration
via KNX interface

Light

Automatic lighting in real time
– without any OFF delay



Heating

Automatic control based
on number of people
and room temperature



Ventilation

Automatic control based on
number of people and humidity

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.



Motion detectors

Presence detectors

Camera sensors

True Presence®

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

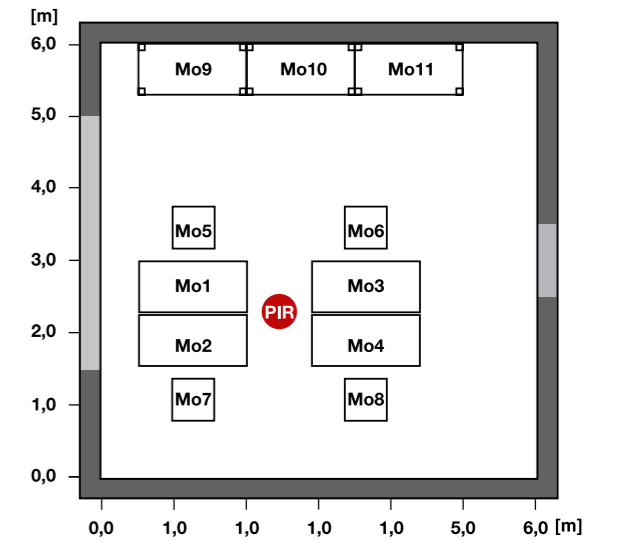
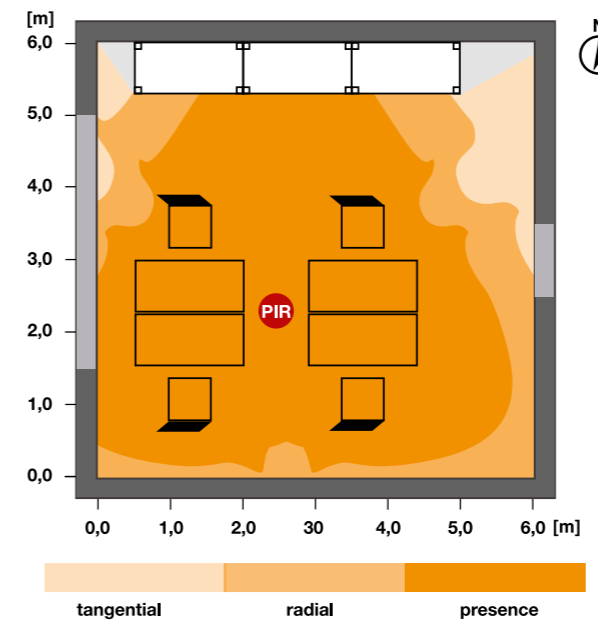
Presence detectors respond to the tiniest movements using extremely high-resolution, precision sensor technology. This is important indoors, particularly in conjunction with sedentary activities (offices for desk work, classrooms etc.) as well as for specific lighting tasks, such as in sports halls, 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 sensors	True Presence®
Detection	Walking movements	Even the slightest movement, also seated activities	Persons sitting or standing	Persons sitting, standing or lying down
Application	Indoors and outdoors Indoors: garages, corridors, storage rooms, high-bay warehouses, stairwells, toilets Outdoors: driveways, entrances, car parks, carports, fronts of buildings	Indoors Offices, classrooms, conference rooms etc. High rooms: warehouses, sports halls etc. Additional control of heating, ventilation, air-conditioning or constant lighting control	Indoors Offices, classrooms, conference rooms etc. Human presence detectors detect persons and their number	Indoors Offices, classrooms, conference rooms, hotel rooms etc. High rooms: such as warehouses, sports halls Additional control of heating, ventilation, air-conditioning or constant lighting control TruePresence detects the true presence of persons
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 HVAC DALI Application Controller KNX
Light ON criterion	Movement after ambient light has fallen below threshold	Lighting channel: movement/presence after ambient light has fallen below a threshold HVAC channel: movement/presence	Number of persons for use in building automation Light value Temperature and humidity	Lighting channel: presence after ambient light has fallen below a threshold HVAC channel: presence
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 the period it is set to stay ON for 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.	Light OFF if ambient light is sufficient despite persons being present Light measurement remains activated Stay-ON time not necessary
Other information		More setting capabilities for matching sensor to control task Far greater detection precision with various options to suit room type	Connection to the building automation system via KNX or IP interface On-demand automatic control based on number of people	More setting capabilities for matching sensor to control task First true presence detection

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 www.relux.ch

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.

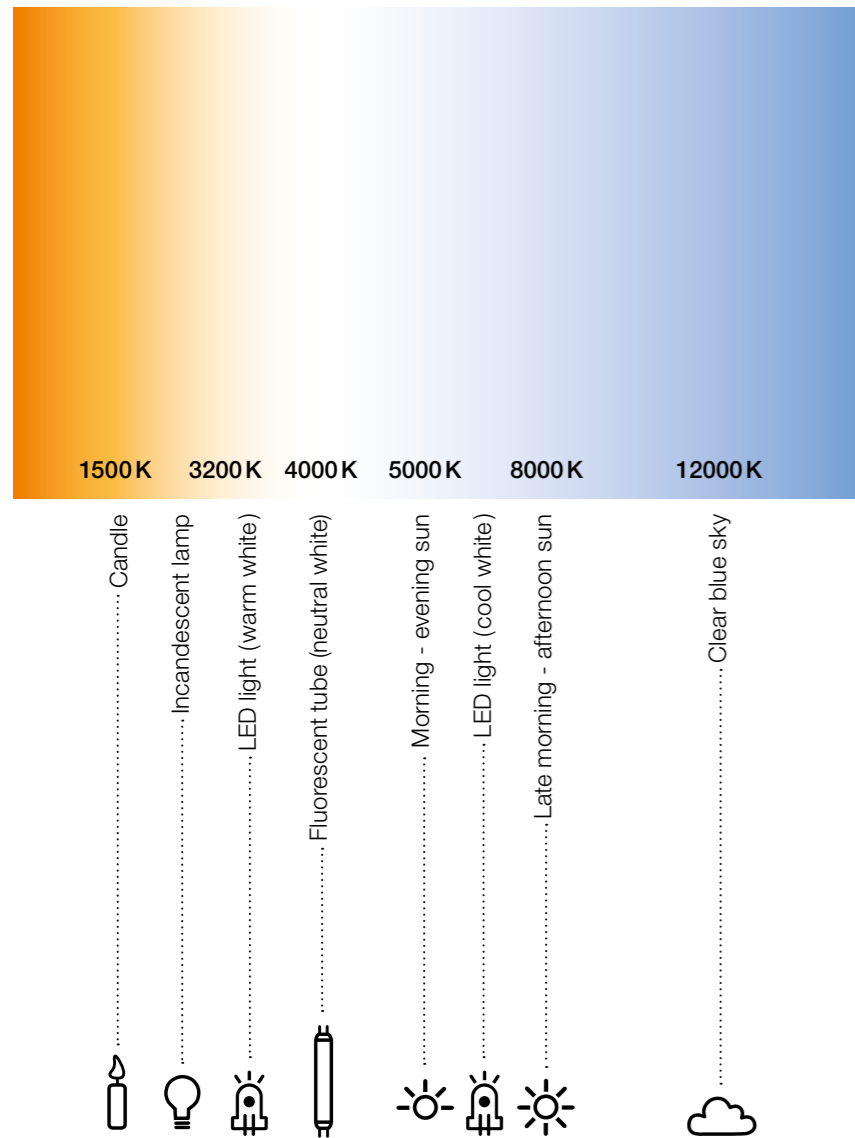
The light planning and visualisation data are exclusively available to STEINEL Professional clients for on-line plug-in use in DIALux. Light distribution curves, technical specifications and 3D volumetric data are available for downloading from www.dial.de.

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.

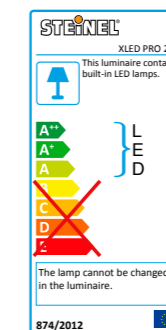
Comparison watts (W) with lumens (lm)

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		

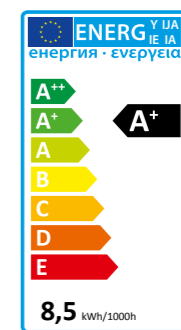
Values without light shade or diffuser

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.

You will find the energy label for downloading at www.steinell.de/energieeffizienzklassen



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.

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.

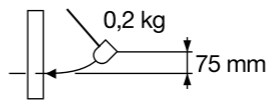
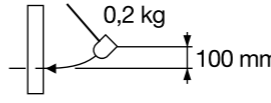
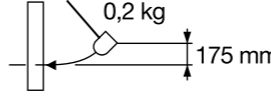
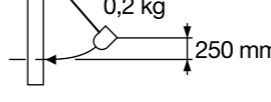
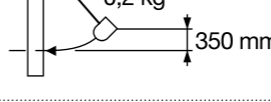
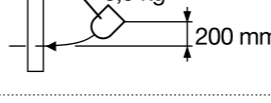
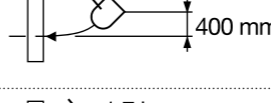


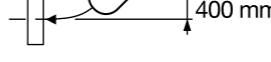
2nd digit	Protection against ingress of water	Application
0	No particular protection.	In dry areas.
1	Protection against vertically falling drops of water (protection against dripping water). Shall have no harmful effect.	In areas exposed to moisture with component in predefined vertical position (e.g. 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.
- 

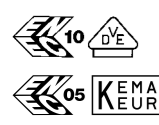
Safety class III
In the case of light provided with class III protection, protection is based on safety extra-low voltage (SELV).


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 P1

From the EAN to the Product

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Notes

