



Intelligent Lighting and
Sensor Technology for Professionals

General Catalogue 2015/16




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High-Frequency SensorLights for Indoors

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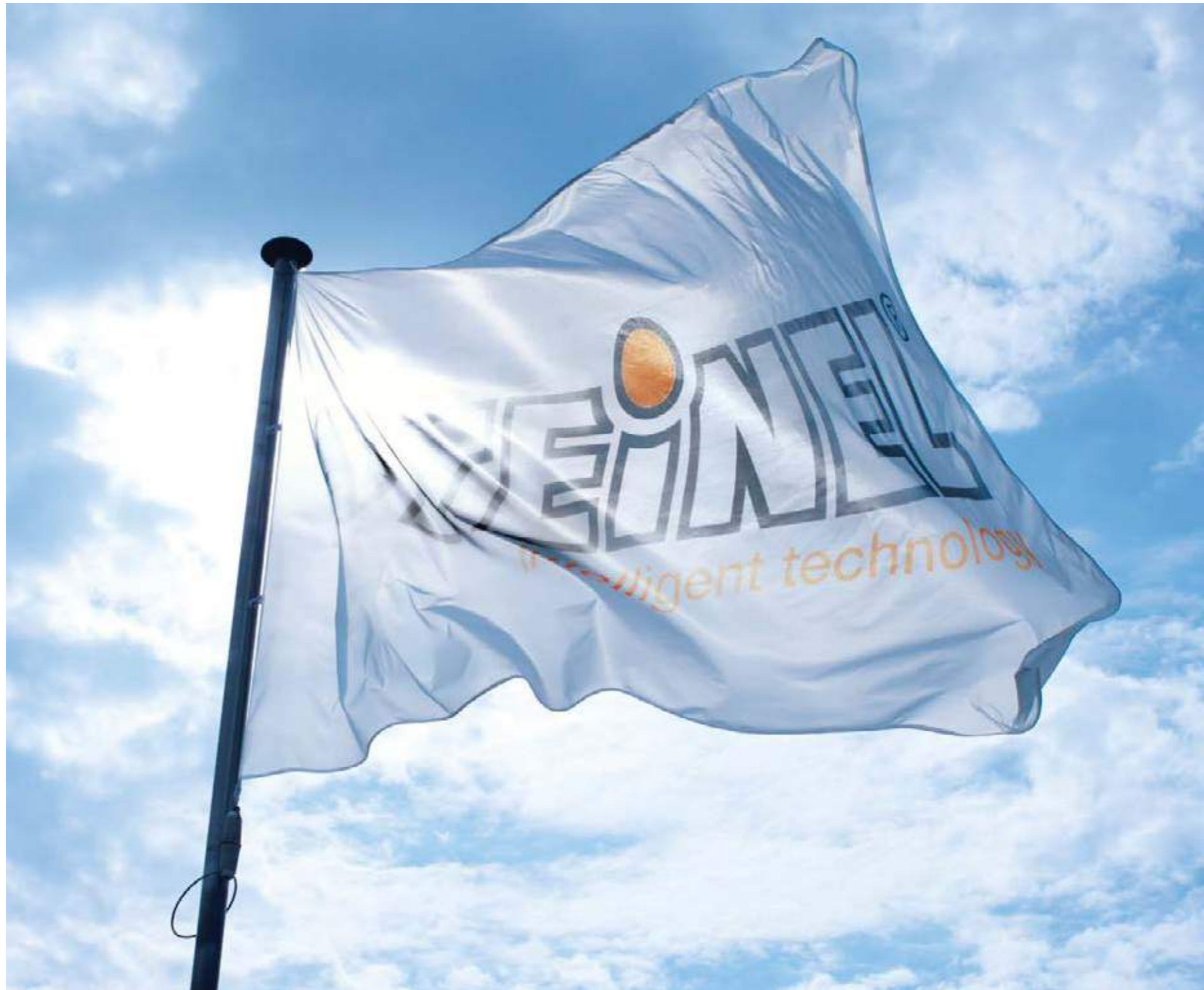
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STEINEL. Pioneer and partner to professionals.

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.





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

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

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

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

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

Precision



Measuring light at STEINEL's test centre

Only certified quality is professional quality.

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

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

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

Production

A high level of vertical integration for maximum perfection.

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

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

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

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



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

On an energy efficiency mission

Send a clear signal.

Use energy more efficiently.

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

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



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

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

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

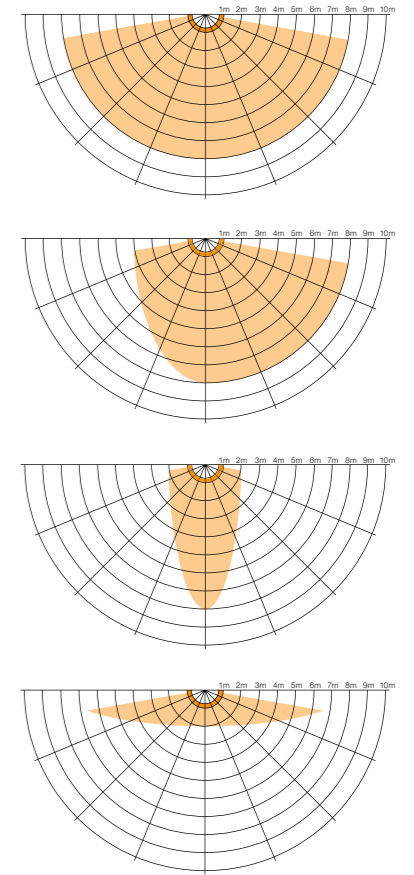


High-frequency sensor systems for outdoors.
In a new dimension.



iHF 3D

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



**Perfect motion detection redefined:
Unfailing and totally exact.**

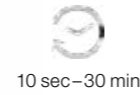
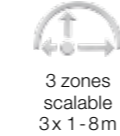
We wanted to create the ideal detector for outdoors and harness our high-frequency technology for use in the open. The effort has been well worth it: the iHF 3D lets us present you with the perfect detector for outdoors: the active sensor detects human walking movements in a radius of eight metres with equal precision from any direction. You can adjust its detection zone on three axes in exactly the way you want to. All made possible by the new 3D aerial technology. Inadvertent triggering by small animals is ruled out in just the same way as interference due to extreme temperatures. And the fact that we have given this leading technology an attractive look too goes without saying at 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.



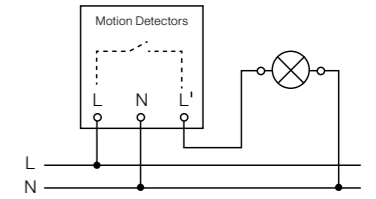
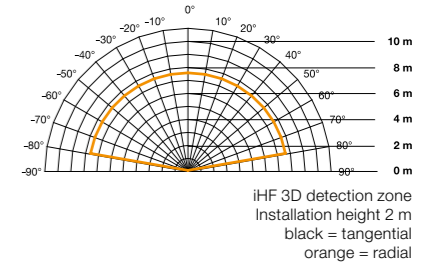
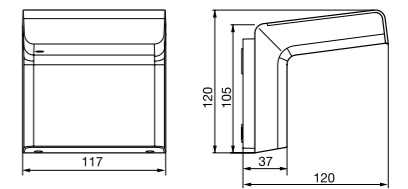
- EAN iHF 3D white 4007841 007577
- EAN iHF 3D anthracite 4007841 007591
- EAN iHF 3D black 4007841 007584

You will find the KNX version on page 122.

Type	Motion detector
Dimensions (H x W x D)	120 x 117 x 120 mm
Power supply	120-250 V, 50/60 Hz
Sensor technology	iHF (intelligent high-frequency technology)
Transmitter power	approx. 1mW
HF system	5.8 GHz
Where to use	Outdoors
Recommended installation height	2 m
Output (resistive load, e.g. ordinary lamp)	2000W max., 230V
.....	1200W max., 120V
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	1000VA max., 230V
.....	500VA max., 120V
Output (series-corrected)	-
Output (parallel corrected, with C ≤ 45.6 μF)	-
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	800A/200μs max.
.....	30x (1x18W), 25x (2x18W),
.....	25x (1x36W), 15x (2x36W),
.....	20x (1x58W), 10x (2x58W)
Angle of coverage	160°
Reach	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 RC 9)
Response brightness	2 - 2000 lx
Time setting	10 sec.- 30 min.
IP rating	IP 54
Protection class	II
Enclosure	UV-resistant plastic
Temperature range	-20 to +50°C

Accessories

- EAN IR remote control RC9 4007841 007638
- Refer to the 'Accessories' section for further information.



Also suitable for parallel operating mode. Intrinsic-light detection. Further circuit diagrams starting on page 328.



Control unit for adjusting the detection zone in 3 axes



Control dials behind the designer trim panel



iHF sensor protected in the enclosure



UV-resistant plastic



Includes RC9 remote control



High End - in Perfect Shape.
sensIQ.



sensIQ



sensIQ S

Indoors	•	•
Outdoors	•	•
For the wall	•	•
For the ceiling	•	
For corners	•	•
Installation height	2.00 – 5.00 m	2.00 – 5.00 m
Switching capacity	2500 W max.	2000 W max.
Angle of coverage	300°	300°
Reach	20 m max.	20 m max.
Corner wall mount	optional	optional
KNX version		Page 124
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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 the accuracy of one metre at set screws directly on the unit. Time and light-level threshold are just as easy to control - either on the unit itself or by remote control. Modules are available for extending the scope of functions to suit individual needs - with the soft-start module, wireless and floating module for instance.

The sensIQ is a professional through and through. You can tell it is the moment you start to install it: the large terminal compartment is electrician-friendly and makes quick work of fitting it to walls or ceilings.

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

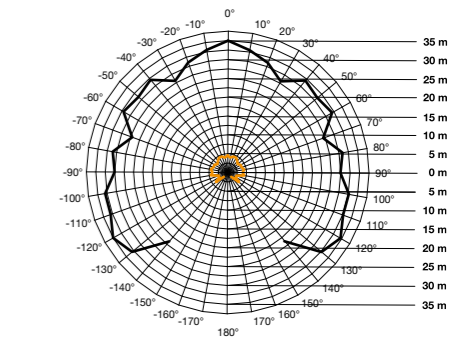
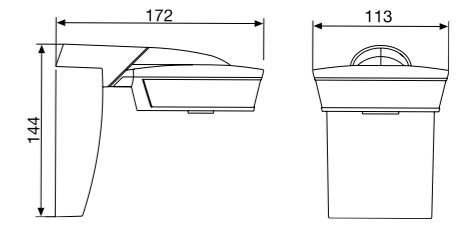
The king of motion detectors. Reference class all round.

Most motion detectors sit around inconspicuously on a wall or ceiling. Not so the sensIQ. Its design is so spectacular that makes it's 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. You can also upgrade the sensIQ with modules to suit your needs. To soften the way light switches ON and OFF, for example. Or for wireless interconnection and switching loads ON and OFF using SELV. On this note: Welcome to the world of almost endless possibilities!



-  infrared sensor
3 x 100°
-  3 zones scalable
2-20 m
-  2500W
max.
-  IP 54
-  2-5m
-  2-2000 lux
-  5 sec-15 min
-  energy saving
-  5 JAHRE GARANTIE
functional warranty

EAN sensIQ, white	4007841 600617
EAN sensIQ, stainless steel	4007841 600716
EAN sensIQ, black	4007841 600518
Type	Motion detector
Dimensions (H x W x D)	144 x 113 x 172 mm
Power supply	220 - 240 V, 50 Hz (2.5 mm ² max)
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall, ceiling, corner
Recommended installation height	2.00 - 5.00 m
Output (resistive load, e.g. ordinary lamp)	2500 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	1000 VA max.
Output (series-corrected)	1800 W max.
Output (parallel-corrected, with C ≤ 45.6 μF)	500 W max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	.8 each max., C ≤ 176 μF
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	Adjustable in 3 directions by control dial, (2 - 20 m max., tangentially, temperature-stabilised)
Sensor system	.4 sensors, 6 levels for long-distance detection and 5 for sneak-by guard, 1360 switching zones
Response light level	.2 - 2000 lx
Time setting	5 sec. - 15 min., pulse mode (approx. 2 sec.)
Manual override	Selectable, 4 h
IP rating	IP54
Protection class	II
Temperature range	-20 - +50 °C



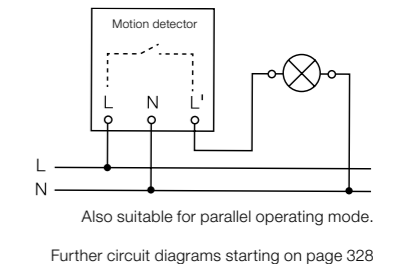
sensIQ detection zone
Mounting height 1.8 m
black = tangential walking direction
orange = radial walking direction



Accessories

EAN soft-start module MS1	4007841 600815
EAN wireless module MF 1	4007841 736712
EAN floating module MPF 1	4007841 609115
EAN IR remote control RC1	4007841 601416
EAN corner wall mount bracket, white	4007841 601966
EAN corner wall mount bracket, stainless steel	4007841 602062
EAN corner wall mount bracket, black	4007841 600969

Refer to 'Accessories' for further information.



 4x pyro-system	 Suitable for mounting on ceilings	 UV-resistant plastic	 Remote control RC1 included	 Optional wireless interconnection	 Optional corner wall mount bracket
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sensIQ S

The evolution of perfection. The reference in compact design.

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



infrared sensor
3 x 100°



3 zones scalable
2-20m



2000W
max.



IP 54



2-5m



2-2000 lux



5 sec-15 min



energy
saving



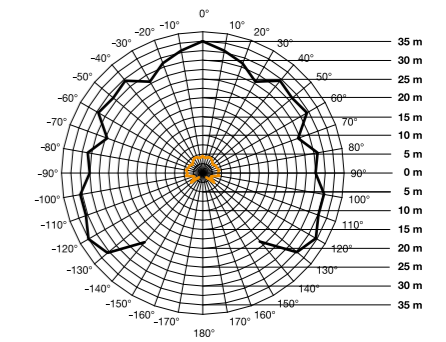
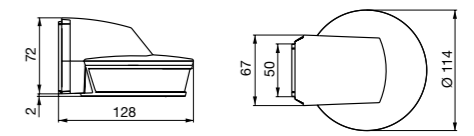
5 YEAR
WARRANTY
functional
warranty

EAN sensIQ S white 4007841 003944
EAN sensIQ S stainless steel 4007841 003968
EAN sensIQ S black 4007841 003951



You will find the KNX version on page 124.

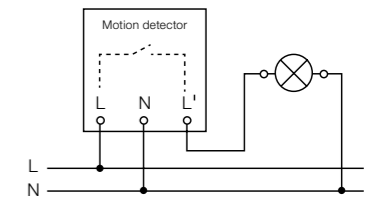
Type Motion detector
Dimensions (H x W x D) 114x74x128mm
Power supply 100-240V, 50/60Hz (2.5mm² max.)
Sensor type Passive infrared
Where to use Indoors and outdoors
Installation Wall, corner
Recommended installation height 2.00-5.00 m
Output (resistive load, e.g. ordinary lamp) 2000 W max. for 230 V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



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



3 scalable zones



Also suitable for parallel operating mode.

Further circuit diagrams starting on page 328

Accessories

EAN IR remote control RC1 4007841 601416
EAN corner wall mount, white 4007841 608835
EAN corner wall mount, stainless steel 4007841 608804
EAN corner wall mount, black 4007841 608828
Refer to the 'Accessories' section for further information.



white



stainless steel



black



4x pyro-system



Remote control
RC1 included



Optional corner
wall mount bracket





IS3360

Indoors	•	•	•	•	•	•
Outdoors	•	•				
For the wall	•					•
For the ceiling		•	•			•
For corridors				•	•	
Installation height	2.00m	2.50–4.00m	2.50–5.00m	2.50–5.00m	4.00–12.00m	2.00 – 2.80 m
Switching capacity	2000 W max.	2000 W max.	2000 W max.	2000 W max.	2000 W max.	2000 W max.
Angle of coverage	180°	360°	360°	45° corridor	51° corridor	360°
Reach	20 m max. or 8 m max.	20 m max.	20 m max.	20x4 m max.	30x4 m max. radial	8 m max.
Corner wall mount	optional					optional
Special features	swivelling multi-lens					Temp.-independent detection
Page	38	38	40	42	44	46

**For wind and weather and lofty heights too.
3000-series.**

The 3000-series for indoors and outdoors as well as installation heights from 2 to 12 metres provides perfect solutions for watching over large yards and business premises as well as sizeable rooms and lengthy corridors. The robust designer trims with IP 54 rating (apart from ISD3360) make sure the sensitive sensor technology is reliably protected from mechanical damage and weather. Modular in design and served by a power supply unit with large terminal compartment and practical plug-in terminals, these motion detectors are quickly installed on walls or ceilings and ready to operate in no time at all.

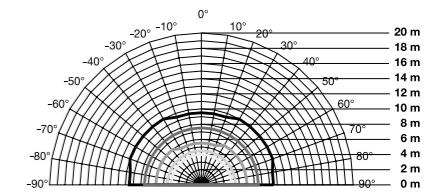
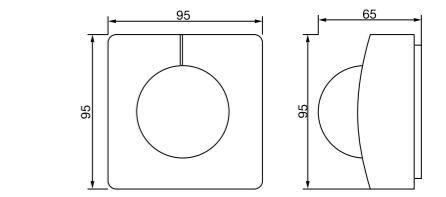
IS 3180

Great performers for industry and business.
100% surveillance over up to 500 m².

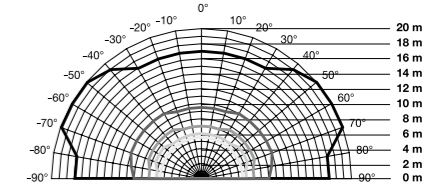
Business yards are often used for storing tools and work materials worth hundreds of thousands. So it's important to have far-sighted guards that instantly respond to any movement. This is where the IS 3180 makes just the right choice. IP 54 rating reliably protects its inner values: featuring top-class components, like two modular pyro sensors and multi-lens, it watches over almost every last inch of areas measuring a good 500 m². You could hardly wish for any better "watchdog".



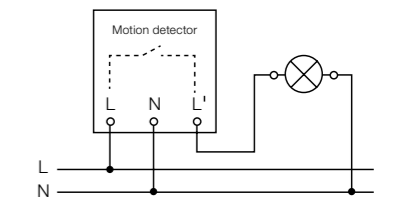
EAN IS 3180, white	4007841 606213
EAN IS 3180, stainless steel	4007841 606312
EAN IS 3180, black	4007841 606114
Type	Motion detector
Dimensions (H x W x D)	95 x 95 x 65 mm
Power supply	230 - 240 V, 50 Hz (2.5 mm ² max)
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall, corner
Recommended installation height	2.00 m
Output (resistive load, e.g. ordinary lamp)	2000 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	1000 VA max.
Output (series-corrected)	900 W max.
Output (parallel-corrected, with C ≤ 45.6 μF)	500 W max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	.8 each max., C ≤ 176 μF
Angle of coverage	180° with 90° angle of aperture
Capability of masking out individual segments	Yes
Reach	Basic setting 1: 8 - 20 m tangentially; temperature. + precision adjustment by re-positioning the lens and using shrouds
Sensor system	7 detection levels, 448 switching zones
Response light level	.2 - 2000 lx
Response light level teach function	Yes
Time setting	5 sec. - 15 min., pulse mode (approx. 2 sec.)
Manual override	Selectable, 4 h
IP rating	IP54
Protection class	II
Temperature range	-20 - +50 °C



IS 3180 detection zone
 Mounting height 2 m,
 tangential walking direction, 8 m lens



IS 3180 detection zone
 Installation height 2 m,
 tangential walking direction, 20 m lens



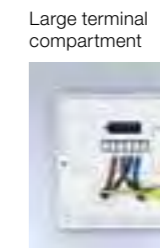
Also suitable for parallel operating mode.
 Intrinsic light detection.

Further circuit diagrams starting on page 328

Accessories

EAN corner wall mount bracket 04, white	4007841 648114
EAN corner wall mount bracket 04, black	4007841 648015

Refer to 'Accessories' for further information.





The intelligent IS 3360 motion detector maximises energy savings. One sensor covers a full 1260m².

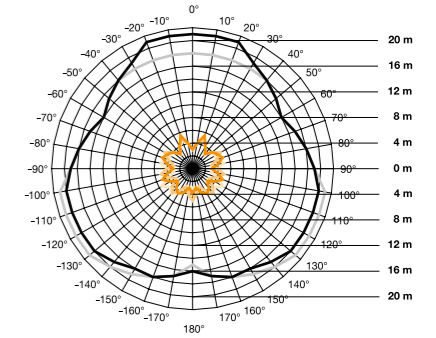
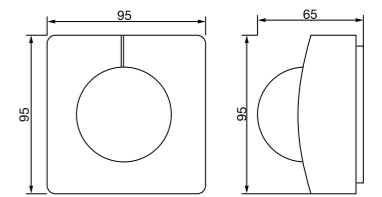
IS 3360

With far-sightedness. And all-round vision.

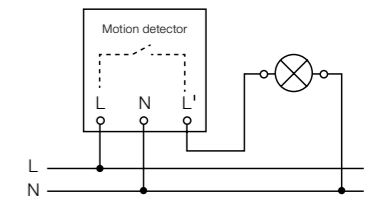
Stairwells, thoroughfares, passages, multi-storey car parks and production buildings rarely provide installation surfaces every metre. These environments call for motion detectors with a long reach. Like the IS 3360. It detects any tangential movement within an all-round radius of 20 metres. Even installed at heights of up to 4 metres. In short: a single IS 3360 for 1260 m²!



EAN IS 3360	4007841 606411
Type	Motion detector
Dimensions (H x W x D)	95 x 95 x 65 mm
Power supply	230 - 240 V, 50 Hz (2.5 mm² max)
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Ceiling
Recommended installation height	2.50 - 4.00 m
Output (resistive load, e.g. ordinary lamp)	2000 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	1000 VA max.
Output (series-corrected)	900 W max.
Output (parallel corrected, with C ≤ 45.6 µF)	500 W max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	.8 each max., C ≤ 176 µF
Angle of coverage	360° with 180° angle of aperture
Capability of masking out individual segments	Yes
Reach	20 m max. tangentially; temperature-stabilised
	+ precision adjustment using shrouds
Sensor system	.11 detection levels, 1416 switching zones
Response light level	.2 - 2000 lx
Response light level teach function	Yes
Time setting	5 sec. - 15 min., pulse mode (approx. 2 sec.)
Manual override	Selectable, 4 h
IP rating	IP54
Protection class	II
Temperature range	-20 - +50 °C



IS 3360 detection zone
Precision adjustment by moving the lens
black = tangential walking direction
orange = radial walking direction

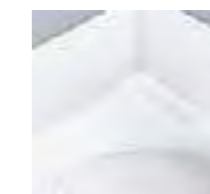


Also suitable for parallel operating mode.
Intrinsic light detection.

Further circuit diagrams starting on page 328



UV-resistant plastic



Large terminal compartment

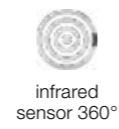


IS D 3360

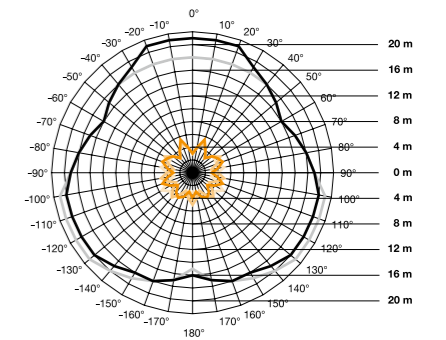
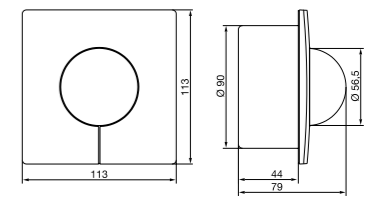
Less is more.

Minimum installation work - maximum reach.

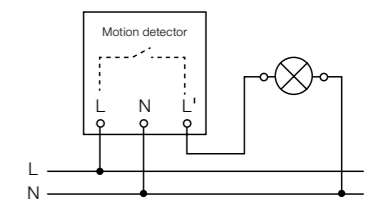
You want to equip false ceilings in large rooms with long-reach sensors? The slim-line IS D3360 infrared motion detector fits like a glove. Because with easy-to-install clamp retainer, you can integrate it in the ceiling quickly and elegantly, leaving it virtually invisible to fleeting glances. Offering a 360° angle of coverage, no movement goes unnoticed in a radius of 20 metres.



EAN IS D 3360	4007841 660918
Type	Motion detector
Dimensions (H x W x D)	113 x 113 x 79 mm
Power supply	230 - 240 V, 50 Hz (2.5 mm ² max.)
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.50 - 5.00 m
Output (resistive load, e.g. ordinary lamp)	2000 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	1000 VA max.
Output (series-corrected)	900 W max.
Output (parallel-corrected, with C ≤ 45.6 μF)	500 W max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	.8 each max., C ≤ 176 μF
Angle of coverage	360° with 180° angle of aperture
Capability of masking out individual segments	Yes
Reach	20 m max. tangentially; temperature-stabilised
	+ precision adjustment using shrouds
Sensor system	.11 detection levels, 1416 switching zones
Response light level	.2 - 2000 lx
Response light level teach function	Yes
Time setting	.5 sec. - 15 min.
Manual override	Selectable, 4 h
IP rating	IP20
Protection class	II
Temperature range	-20 - +50 °C

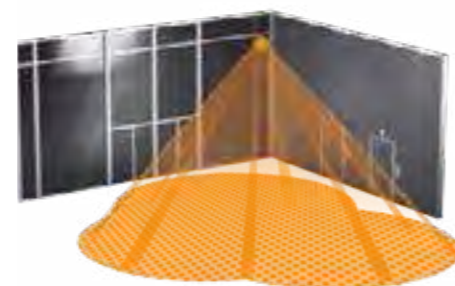


IS D 3360 detection zone
black = tangential walking direction
orange = radial walking direction



Also suitable for parallel operating mode.
Intrinsic light detection.

Further circuit diagrams starting on page 328



UV-resistant plastic



IS 345

Shows what sensor systems are capable of. With targeted detection.

Aisles and long corridors place specific demands on sensor performance. The detection zone needs to be narrow and long so the fewest possible sensors can 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 comes with a coverage angle of 180° and an angle of aperture of 45°. This means it detects tangential movements in an area of up to 20 x 4 metres.



infrared sensor



max. 20 x 4m

2000w

max.



IP 54



2,50–5m



2–2000 lux



5 sec–15 min

TEACH

mode

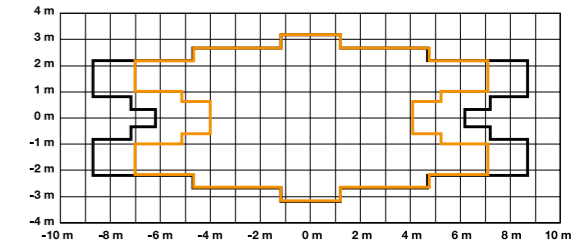
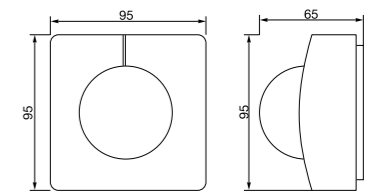


energy saving

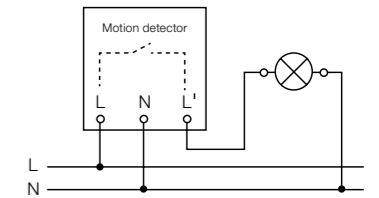
5 JAHRE GARANTIE

functional warranty

EAN IS 345	.....4007841 606510
Type	.....Motion detector
Dimensions (H x W x D)	.....95 x 95 x 65 mm
Power supply	.....230 - 240 V, 50 Hz (2.5 mm ² max.)
Sensor type	.....Passive infrared
Where to use	.....Indoors and outdoors
Installation	.....Ceiling, corridor
Recommended installation height	.....2.50 - 5.00 m
Output (resistive load, e.g. ordinary lamp)	.....2000 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	.....1000 VA max.
Output (series-corrected)	.....900 W max.
Output (parallel corrected, with C ≤ 45.6 μF)	.....500 W max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	.....8 each max., C ≤ 176 μF
Angle of coverage	.....180° with 45° angle of aperture
Capability of masking out individual segments	.....Yes
Reach	.....20 x 4 m max. (tangentially), .....12 x 4 m max. (radially); .....precision adjustment by re-positioning the lens and using shrouds
Sensor system	.....5 detection levels, 280 switching zones
Response light level	.....2 - 2000 lx
Response light level teach function	.....Yes
Time setting	.....5 sec. - 15 min., pulse mode (approx. 2 sec.)
Manual override	.....Selectable, 4 h
IP rating	.....IP54
Protection class	.....II
Temperature range	.....-20 - +50 °C



IS 345 detection zone
Mounting height 2.6 m
black = tangential walking direction
orange = radial walking direction



Also suitable for parallel operating mode.
Intrinsic light detection.

Further circuit diagrams starting on page 328



UV-resistant plastic



Large terminal compartment



IS 345 MX Highbay

The specialist for high ceilings.

Surveillance quality right up at the top.

High-bay warehouses, machine halls, terminal buildings and waiting areas often have high ceilings. Too high for most sensors, except for this one. Infrared motion detector IS 345 MX Highbay was developed specifically for installing at heights of up to 12 metres. Perched up there, it gives you surveillance quality at the highest level, quite literally. So in future, think higher standards when it comes to sensor systems!



infrared sensor



max. 30m x 4m

2000w

max.



IP 54



4-12m



2-2000 lux



5 sec-15 min

TEACH

mode



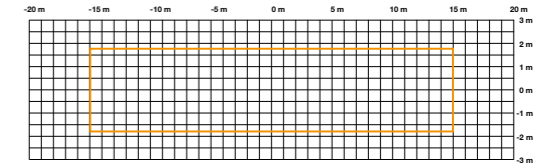
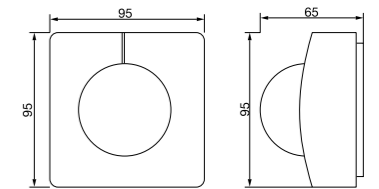
energy saving

5 JAHRE GARANTIE

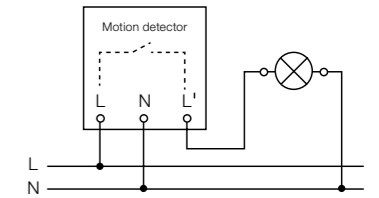
functional warranty



EAN IS 345 MX Highbay	4007841 002725
Type	Motion detector
Dimensions (H x W x D)	95 x 95 x 65.5 mm
Power supply	230 - 240 V, 50 Hz (2.5 mm ² max)
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Ceiling, corridor
Recommended installation height	4.00 - 12.00 m
Output (resistive load, e.g. ordinary lamp)	2000 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	1000 VA max.
Output (series-corrected)	900 W max.
Output (parallel-corrected, with C ≤ 45.6 μF)	500 W max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	.8 each max., C ≤ 176 μF
Angle of coverage	.51° with 9° angle of aperture
Capability of masking out individual segments	Yes
Reach	30 x 4 m max. (radially) mounted at a height of 12 m; temperature-stabilised. Precision adjustment using shrouds
Sensor system	5 detection levels, 280 switching zones
Response light level	.2 - 2000 lx
Response light level teach function	Yes
Time setting	5 sec. - 15 min., pulse mode (approx. 2 sec.)
Manual override	Selectable, 4 h
IP rating	IP54
Protection class	II
Temperature range	-20 - +50 °C



IS 345 MX Highbay detection zone
Mounting height 12.5 m
orange = radial walking direction



Also suitable for parallel operating mode.
Intrinsic light detection.

Further circuit diagrams starting on page 328

UV-resistant plastic



Large terminal compartment



HF 3360

This one sees everything.

Even through walls and ceilings if you want it to.

High-frequency technology is the perfect alternative in areas where thin walls and projections can become impenetrable obstacles to temperature-based infrared sensors. This makes the HF 3360 the ideal solution if you want to automate lighting in winding basement corridors, stairwells and multi-storey car parks. It detects the tiniest of movements, also through glass, wood, stud walls and even over 2 storeys. Give it a try, you'll be blown away.



high frequency sensor 360°



max. Ø 8m

2000W

max.



IP 54



2-2.8m



2-2000 lux



5 sec - 15 min

TEACH

mode



energy saving

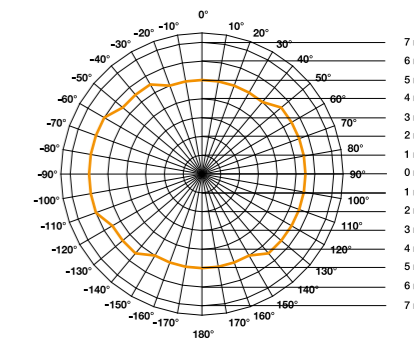
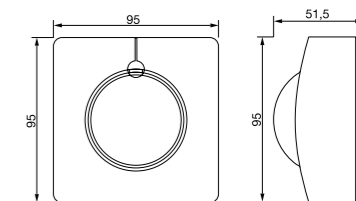
5 YEAR

functional warranty

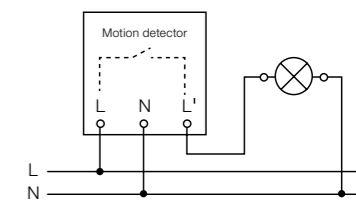
EAN HF 3360	4007841 753016
Type	Motion detector
Dimensions (H x W x D)	95 x 95 x 51.5 mm
Power supply	230 - 240 V, 50 Hz (2.5 mm ² max.)
Sensor type	High frequency
Where to use	Indoors
Installation	Wall, ceiling, corner
Recommended installation height	2.00 - 2.80 m
Output (resistive load, e.g. ordinary lamp)	2000 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	1000 VA max.
Output (series-corrected)	900 W max.
Output (parallel-corrected, with C ≤ 45.6 μF)	500 W max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	.8 each max., C ≤ 176 μF
Angle of coverage	360° with 140° angle of aperture
Reach	8 m max. all round, infinitely variable
Sensor system	5.8 GHz high-frequency (transmitter output < 1mW)
Response light level	.2 - 2000 lx
Response light level teach function	Yes
Time setting	5 sec. - 15 min.
	+ pulse mode (approx. 2 sec.)
Manual override	Selectable, 4 h
IP rating	IP54
Protection class	II
Temperature range	-20 - +50 °C

Accessories

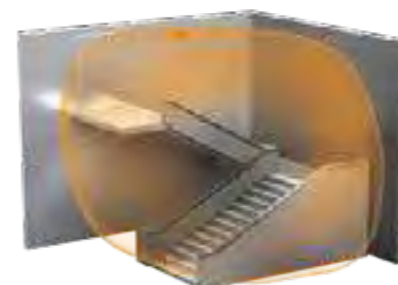
EAN corner wall mount 04, white. 4007841 648114
 EAN corner wall mount 04, black 4007841 648015
 Refer to the 'Accessories' section for further information.



HF 3360 detection zone
 Mounting height 2.8 m
 orange = radial walking direction



Also suitable for parallel operating mode.
 Intrinsic light detection.
 Further circuit diagrams starting on page 328



UV-resistant plastic



Large terminal compartment



Optional corner wall mount 04 available



NightMatic 5000-2

Creates highlights when it gets dark.

For selected hours or all through the night.

Light is emotion! Stunningly illuminated shop windows, hoardings or building facades attract attention and are great image builders. All automatically too. Whenever the day goes to sleep, NightMatic 5000-2 wakes up and controls the lighting effects of the finest. And with many setting options to choose from, only when light is really wanted. Either for selected hours or all through the night.



Twilight switch
+ eco-mode

2000w

max.



IP 54

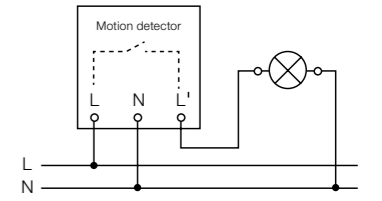
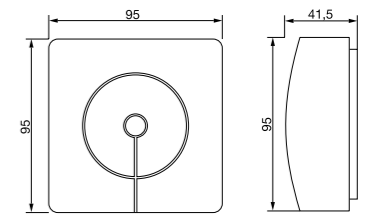


0,5 – 100 lux

5 JAHRE GARANTIE

functional warranty

EAN NightMatic 5000-2, white	4007841 550813
EAN NightMatic 5000-2, black	4007841 550714
Type	Photo-cell controller
Dimensions (H x W x D)	95 x 95 x 41,5 mm
Power supply	230 - 240 V, 50 Hz (2.5 mm ² max)
Where to use	Indoors and outdoors
Installation	Wall
Output (resistive load, e.g. ordinary lamp)	2000 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	1000 VA max.
Output (series-corrected)	900 W max.
Output (parallel-corrected, with C ≤ 45.6 μF)	500 W max.
Output	.8 each max., C ≤ 176 μF
Response light level	0.5 - 100 lx
Night economy mode	Variable night OFF time
Setting	Light ON or OFF in the morning
IP rating	IP54
Protection class	II
Temperature range	-20 - +50 °C



Also suitable for parallel operating mode. Intrinsic light detection.

Further circuit diagrams starting on page 328



white



black



UV-resistant plastic



Large terminal compartment



High-bay sensors.
Detection quality at the highest level.

**Specifically for high ceilings.
And high expectations.**

Most high-bay warehouses, machine halls, terminal buildings and depots - as well as the corridors in them - have very high ceilings. This is a problem for conventional sensors. Developing its high-bay sensors, STEINEL offers the ideal solution to ensure reliable detection from installation heights of up to 14 metres. Can easily be added to existing lights. So thinking about higher standards isn't a problem.



HBS 300 Highbay

High-bay sensors.
Detection quality at the highest level.



The HBS 300 Highbay directly controls existing lights installed at great heights.

HBS 300 Highbay

Sits on the light and watches over large areas.

High ceilings are a major challenge for motion detectors. The HBS 300 Highbay 360° infrared sensor has no problems coping with them – and provides that all-important additional level of safety and efficiency in factories and warehouses. This is guaranteed by the three built-in PIR sensors which effectively and accurately control the light in open areas from a height of up to 14 metres in a radius of 18 metres. Also because lights can be controlled directly at a great height. And with the optionally available MF-1, all this can be done by wireless interconnection.

CONTROL
PRO
SYSTEM

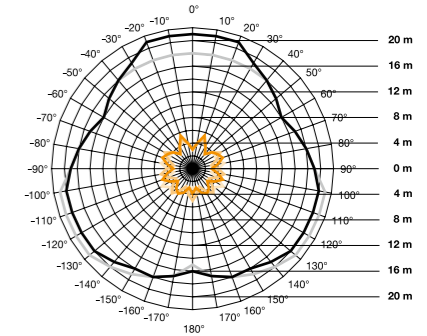
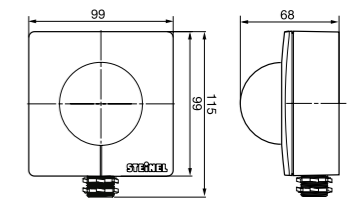


-  infrared sensor 360°
-  18 m
-  1200W max.
-  IP 20
-  14 m
-  2–2000 lux
-  15 sec - 30 min
-  energy saving
-  5 YEAR WARRANTY functional warranty

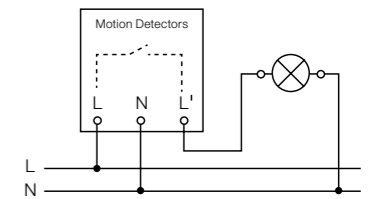
EAN HBS 300 Highbay	4007841 005610
Type	Motion detector
Dimensions (H x W x D)	115 x 99 x 66 mm
Power supply	220–240 V, 50/60 Hz
Sensor technology	Passive infrared
Where to use	Indoors
Recommended installation height	4.00 - 14.00 m
Output (resistive load, e.g. all-purpose lamp)	1200W
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	600 VA
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	8 each max., C ≤ 176 µF
Angle of coverage	360°
Reach	18 m
Capability of masking out individual segments	Yes
Sensor system	11 detection levels, 1416 switching zones
Parallel-connected configurations	Yes
Response brightness	2 - 2000 lx
Time setting	15 sec. - 30 min.
IP rating	IP20
Protection class	II
Enclosure	UV-resistant plastic
Temperature range	- 20 to +50°C

Accessories

EAN height adapter EM1	4007841 013226
EAN shroud LC4 for reducing reach	4007841 009267
EAN shroud LC5 for 180° detection	4007841 009274

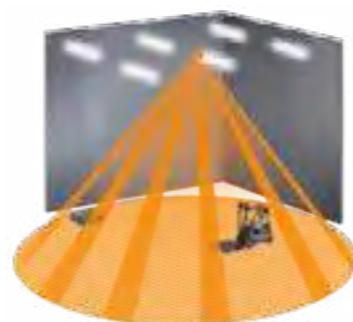


HBS 300 Highbay detection zone precision adjustment by re-positioning the lens
black = tangential walking direction
orange = radial walking direction



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

Further circuit diagrams starting on page 328.



Shroud LC4



Shroud LC5



Height adapter EM1



Mounted on the light



UV-resistant plastic



HBS 200 Highbay

Switches lights on at lofty heights in corridors.

Long corridors, stairwells and WC facilities with very high walls are commonly found in company premises. To watch over them efficiently and precisely, you need the right motion detector. The innovative HBS 200 Highbay infrared sensor has a detection zone of 30 x 4 m reach from a height of 14 metres. That's not easily matched.

CONTROL
PRO
SYSTEM



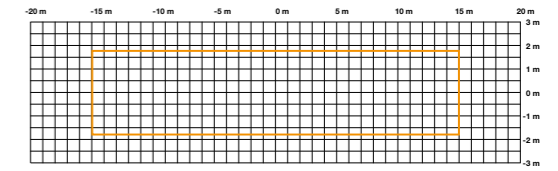
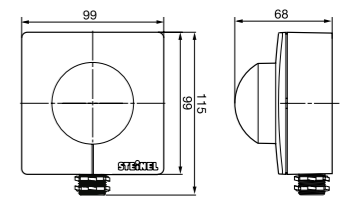
1200w
max.



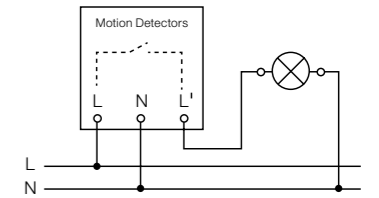
EAN HBS 200 Highbay	4007841 005627
Type	Motion detector
Dimensions (H x W x D)	115 x 99 x 69.1 mm
Power supply	220-240 V, 50/60 Hz
Sensor technology	Passive infrared
Where to use	Indoors
Recommended installation height	4.00 - 14.00 m
Output (resistive load, e.g. all-purpose lamp)	1200W
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	600 VA
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	.8 each max., C ≤ 176 μF
Angle of coverage	51° with 9° angle of aperture
Reach	30x4m
Capability of masking out individual segments	Yes
Sensor system	5 detection levels, 280 switching zones
Parallel-connected configurations	Yes
Response brightness	2 - 2000 lx
Time setting	15 sec. - 30 min.
IP rating	IP20
Protection class	II
Enclosure	UV-resistant plastic
Temperature range	- 20 to +50°C

Accessories

EAN height adapter EM1	4007841 013226
EAN shroud LC1 for corridor sensor	4007841 009250



HBS 200 Highbay detection zone
Installation height 12.5 m
orange = radial walking direction



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

Further circuit diagrams starting on page 328.

Shroud LC1



Height adapter EM-1



Mounted on the light



UV-resistant plastic





Indoors	•	•	•	•	•	•
Outdoors	•	•	•			•
For the wall	•	•	•		•	•
For the ceiling				•		
Installation height	2.00m	2.00m	2.00m	2.50m	2.00 – 2.50 m	2.00m
Switching capacity	1000 W max.	1000 W max.	2000 W max.	1000 W max.	1000 W max.	600 W max.
Angle of coverage	180°	180°	300°	360°	360°	160°
Reach	20 m max. or 8 m max.	12 m max. or 5 m max.	12 m max.	8 m max.	8 m max.	12 m max.
Corner wall mount	included	included	included		included	
Special features	swivelling multi-lens	swivelling multi-lens			Temp.-independent detection	
Page	60	62	64	66	68	70



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

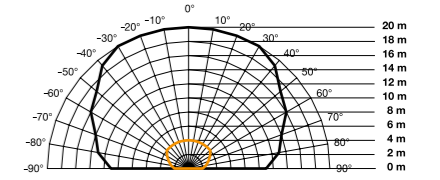
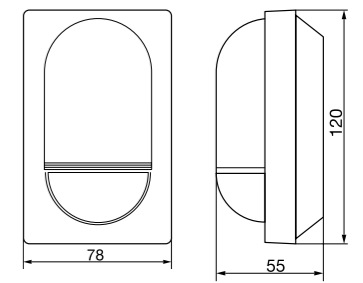
Nice and flat on the wall.

Nice and flexible too.

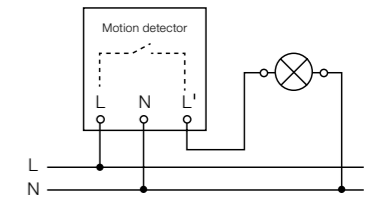
Large entrance areas leading into buildings of architectural finesse benefit in particular from automated lighting that points the way for night-time visitors or passers-by. Because this is where design's important too. The IS 2180-5 cuts an altogether superb figure on any wall. It also provides a wide 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 - 240 V, 50 Hz
Sensor type.	Passive infrared
Where to use.	Outdoors
Installation.	Wall, corner
Recommended installation height.	2.00 m
Output (resistive load, e.g. ordinary lamp).	1000 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps).	500 VA max.
Output (series-corrected).	900 W max.
Output (parallel-corrected, with C ≤ 45.6 μF).	500 W max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps). ....	.6 each max., C ≤ 132 μF
Angle of coverage.	180° with 90° angle of aperture
Capability of masking out individual segments.	Yes
Reach.	Basic setting 1: 20 m max. tangentially basic setting 2: 8 m max., temperature-stabilised
Sensor system.	+ precision adjustment using shrouds
Response light level.	Basic setting 1: 10 detection levels, 504 switching zones; Basic setting 2: 9 detection levels, 412 switching zones
Time setting. ....	.2 - 2000 lx .5 sec. - 15 min.
Manual override.	Selectable, 4 h
IP rating.	IP54
Protection class.	II
Temperature range.	-20 - +50 °C
Accessories.	Includes corner wall mount bracket for external and internal corners



IS 2180-5 detection zone
20 m lens
black = tangential walking direction
orange = radial walking direction

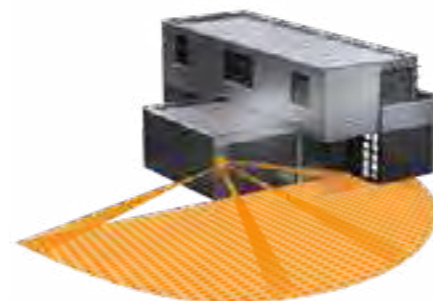


Also suitable for parallel operating mode.
Generous reach.

Further circuit diagrams starting on page 328.



white stainless steel black



UV-resistant plastic Including corner wall mount bracket

IS 2180-2

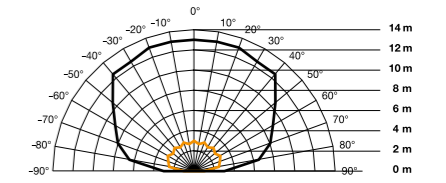
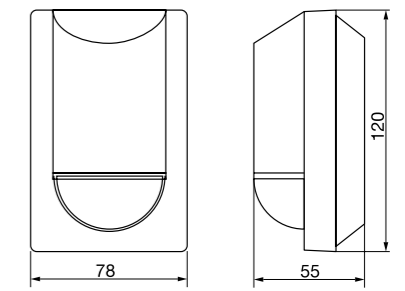
Cuts a fine figure.

On the wall and as a guard dog.

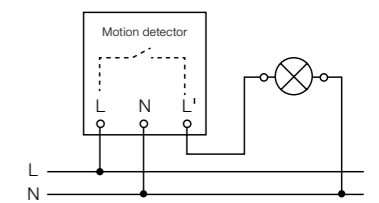
The IS 2180-5 infrared motion detector's small brother is the ideal choice for watching over areas of up to 200 m². Not only impressing with top-class sensor technology as well, this one also pleases the eye with its modern design that fits perfectly into the overall picture on contemporary architecture.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



EAN IS 2180-2, white	4007841 603816
EAN IS 2180-2, stainless steel	4007841 603915
EAN IS 2180-2, black	4007841 603717
Type	Motion detector
Dimensions (H x W x D)	120 x 78 x 55 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Passive infrared
Where to use	Outdoors
Installation	Wall, corner
Recommended installation height	2.00 m
Output (resistive load, e.g. ordinary lamp)	1000 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	500 VA max.
Output (series-corrected)	900 W max.
Output (parallel-corrected, with C ≤ 45.6 μF)	500 W max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps) . . . . .	.6 each max., C ≤ 132 μF
Angle of coverage	180° with 90° angle of aperture
Capability of masking out individual segments	Yes
Reach	Basic setting 1: 12 m max. tangentially, basic setting 2: 5 m max., temperature-stabilised
Sensor system	+ precision adjustment using shrouds
Basic setting 1: 10 detection levels, 504 switching zones; basic setting 2: 9 detection levels, 412 switching zones	
Response light level . . . . .	.2 - 2000 lx
Time setting	10 sec. - 15 min.
IP rating	IP54
Protection class	II
Temperature range	-20 - +50 °C
Accessories . . . . .	. . . . . Includes corner wall mount bracket for external and internal corners



IS 2180-2 detection zone
12 m lens
black = tangential walking direction
orange = radial walking direction



Also suitable for parallel operating mode.
Normal reach.

Further circuit diagrams starting on page 328



Including corner wall mount bracket

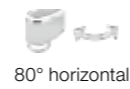


IS 300

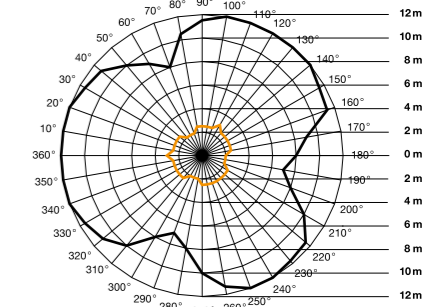
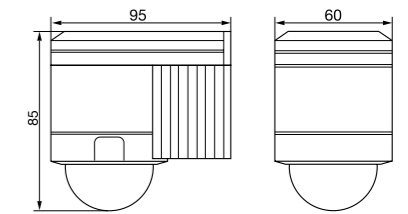
Minimal dimensions.

Maximum detection performance.

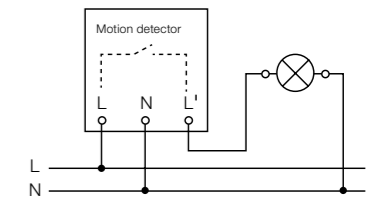
The more obscure building corners, the more winding corridors and passageways, the more corner specialist IS 300 has what it takes. The 3 pyro sensors work together to give it a coverage angle of no less than 300°. So this little gem can even look round corners, quite literally. It's also a powerful performer in terms of switching capacity. At 2,000 watts, you can reliably automate lighting systems made up of several luminaires all round the building. The wireless IS-FS 300 can also do the same but on battery power and without the need for cables. Simply screw the sensor onto the corner mount. That's all there is to it!



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 - 240 V, 50 Hz
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall, corner
Recommended installation height	2.00 m
Output (resistive load, e.g. ordinary lamp)	2000 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	1000 VA max.
Output (series-corrected)	1500 W max.
Output (parallel-corrected, with C ≤ 45.6 µF)	500 W max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	.8 each max., C ≤ 176 µF
Angle of coverage	300° with 180° angle of aperture
Capability of masking out individual segments	Yes
Swivelling range	± 80° precision adjustment of sensor housing
Reach	12 m max. tangentially; temperature-stabilised
Sensor system	10 detection levels, 456 switching zones
Response light level	.2 - 2000 lx
Time setting	10 sec. - 15 min.
IP rating	IP54
Protection class	II
Temperature range	-20 - +50 °C
Accessories	Includes corner wall mount for external corners



IS 300 detection zone
Mounting height 2.5 m
black = tangential walking direction
orange = radial walking direction



Also suitable for parallel operating mode.

Further circuit diagrams starting on page 328



UV-resistant plastic



Including corner wall mount bracket



For interconnectable wireless version, go to p. 284



IS D360

Fits in any ceiling.

And goes with any spotlight.

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



infrared sensor 360°



max. 8m

1000w

max.



IP 20



ideal 2,5m



2-2000 lux



5 sec-20min

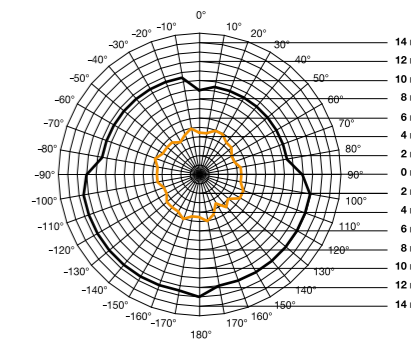
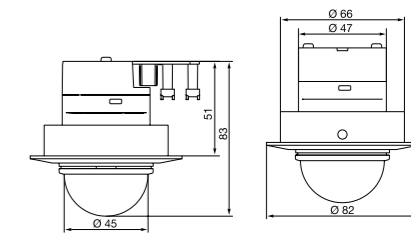


energy saving

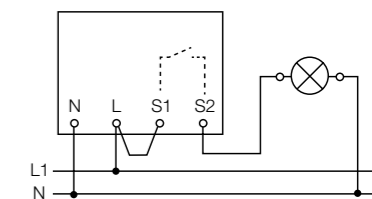


functional warranty

EAN IS D360	4007841 601317
Type	Motion detector
Dimensions (H x W x D)	83 x Ø 82 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.50 m
Output (resistive load, e.g. ordinary lamp)	1000 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	500 VA max.
Output (series-corrected)	900 W max.
Output (parallel-corrected, with C ≤ 45.6 µF)	500 W max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	4 each max., C ≤ 88 µF
Angle of coverage	360° with 180° angle of aperture
Reach	8 m max. all round, temperature-stabilised
Sensor system	10 detection levels, 720 switching zones
Response light level	2 - 2000 lx
Time setting	5 sec. - 20 min.
Manual override	Selectable, 4 h
IP rating	IP20
Protection class	II
Temperature range	-20 - +50 °C
Included standard white trim	



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



Also suitable for parallel operating mode.
Further circuit diagrams starting on page 328



Any trim can be used.
Fitting dimensions:
Outer dia. = Ø 73 mm,
fitting depth = 53 mm



HF 3600

Great looks. Great vision.

Modern architecture places exacting demands both on technology and design. If you want sensors to watch over stairwells or deep rooms discreetly, choosing the HF 3600 is a doubly good decision. To begin with, its stylish, slim-line contours blend into the wall. Then behind it all is cutting-edge technology, quite literally. Because the HF-sensor system instantly responds to any movement - even through glass, wood and stud walls!



high frequency sensor 360°



max. 8m

1000w

max.



IP 54



1-2,5m



2-2000 lux



5 sec - 15 min

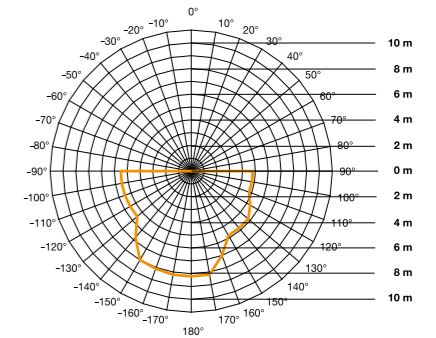
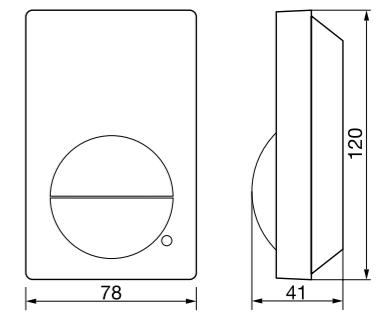


energy saving

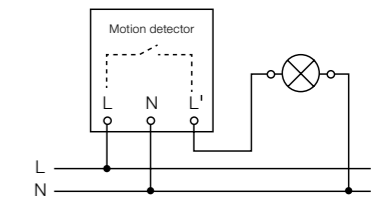
5 JAHRE GARANTIE

functional warranty

EAN HF 3600, white 4007841 733513
 Type Motion detector
 Dimensions (H x W x D) 120 x 78 x 41 mm
 Power supply 230 - 240 V, 50 Hz
 Sensor type High-frequency
 Where to use Indoors
 Installation Wall, corner
 Recommended installation height 1.00 - 2.50 m
 Output (resistive load, e.g. ordinary lamp) 1000 W max.
 Output (uncorrected, inductive, $\cos \phi = 0.5$, e.g. fluorescent lamps) 500 VA max.
 Output (series-corrected) 900 W max.
 Output (parallel-corrected, with $C \leq 45.6 \mu\text{F}$) 500 W max.
 Output (electronic ballasts, capacitive, e.g. low-energy lamps)6 each max., $C \leq 132 \mu\text{F}$
 Angle of coverage 360° with 140° angle of aperture
 even through glass, wood and stud walls
 Reach 8 m max., infinitely variable
 Sensor system High-frequency 5.8 GHz (transmission power < 1mW)
 Response light level 2 - 2000 lx
 Time setting5 sec. - 30 min.
 Manual override Selectable, 4 h
 IP rating IP54
 Protection class II
 Temperature range -20 - +50 °C
 Accessories Includes corner wall mount bracket for external and internal corners



HF 3600 detection zone
 Mounting height 1.80 m
 orange = radial walking direction



Also suitable for parallel operating mode.

Further circuit diagrams starting on page 328

Including corner wall mount bracket



IS 2160 ECO

Huge flexibility. At a tiny price.

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



infrared sensor 160°



max. 12m

600w

max.



IP 54



ideal 2m



40° horizontal
70° vertical



2-2000 lux



8sec-35min

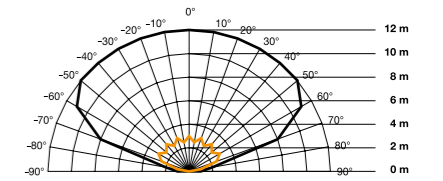
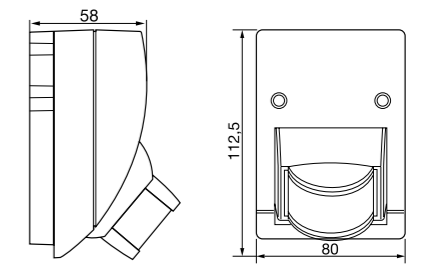


energy saving

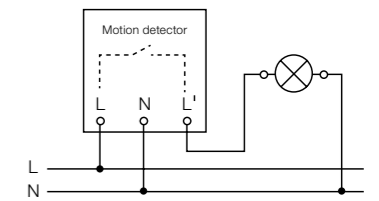


functional warranty

EAN IS 2160 ECO, white	4007841 606015
EAN IS 2160 ECO, black	4007841 605919
Type	Motion detector
Dimensions (H x W x D)	113 x 78 x 73 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall
Recommended installation height	2.00 m
Output (resistive load, e.g. ordinary lamp)	600 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	500 VA max.
Output (series-corrected)	500 W max.
Output (parallel-corrected, with C ≤ 45.6 μF)	500 W max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	4 each max., 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	12 m max.
Sensor system	5 detection levels, 260 switching zones
Response light level	2 - 2000 lx
Time setting	8 sec. - 35 min.
IP rating	IP54
Protection class	II
Temperature range	-20 - +50 °C



IS 2160 ECO detection zone
Mounting height 1.8 m
black = tangential walking direction
orange = radial walking direction



For solo operation only.

Further circuit diagrams starting on page 328



white



black



UV-resistant plastic







HPD 1

**The future of sensor technology.
Human presence detector HPD 1.**

With the HPD1 - HPD stands for "Human Presence Detection" - STEINEL Professional makes a quantum leap in sensor technology. Because the HDP1 is the world's first presence detector that's not only capable of detecting whether people are present but can also see and count them. No matter whether moving about or not. At the heart of the human presence detector is innovative camera technology that uses a highly sensitive optical system in combination with a mathematical algorithm. The HPD1 opens up completely new options in building automation. Light, heating and air-conditioning can be controlled with even greater precision for the number of people actually present in a room.



Large detection zone

Reliably up to 10 metres

Intelligent building automation

Perfect integration

Clear field of vision

Coverage angle up to 110°, horizontally adjustable

Modern design

Form and function in perfect harmony

Defined zone settings

Capability of selecting as many as three detection zones

Integrated intelligence

Image analysis in the sensor

Privacy guaranteed

No access to images

Precision-adjustable

via software

Active by day / active by night

with infrared LEDs

Human Presence Detection

identifies and counts people - nothing else

Application - Indoors

Possible Uses in Building Automation.



Advantage no. 1: Zone definition

The HPD 1's detection zone can be confined to a precisely defined area. Making it possible, for instance, to mask out interference from foot traffic passing through. A maximum of 3 different zones can be selected by software when setting up the system.



Persons: 3

Advantage no. 2: Detecting persons

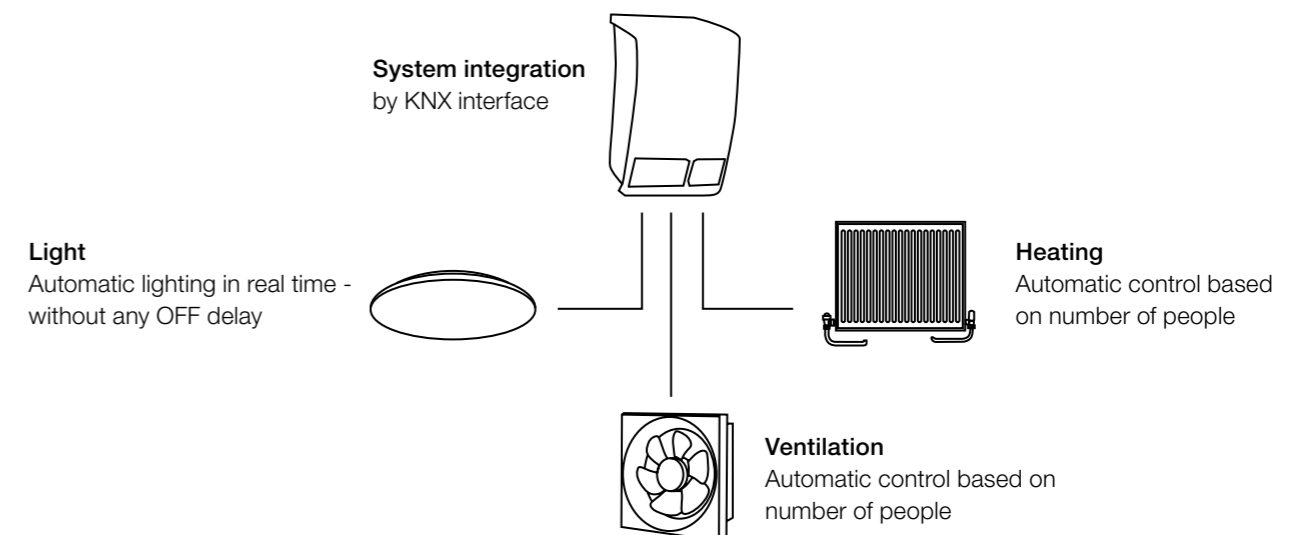
For the first time it's now possible to detect a person without the involvement of any movement. Although not moving, persons are detected no matter whether they are sitting or standing. With detection as precise as this, erroneous triggering is virtually ruled out. Lighting stay-ON times can also be kept to a minimum.



Persons: 2

Advantage no. 3: Counting people

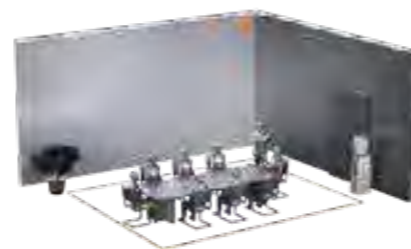
Not only can the HPD 1 detect people but it can also see how many of them are present. Its reach of 10m makes it suitable for conference rooms as well as corridors. Powerful IR LEDs provide this function even in the dark. Information is delivered through the built-in relays or KNX interface.



HPD1

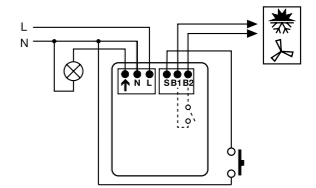
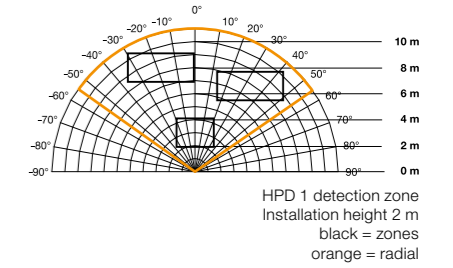
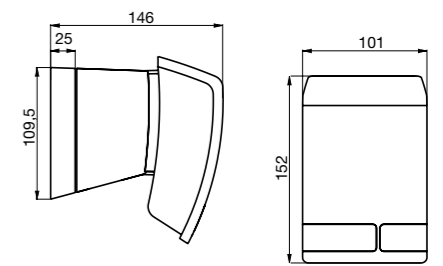
A person is a person - whether moving or not, whether sitting or standing.

Human presence detector HPD 1 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. It has taken the world's best specialists and universities 5 years to develop this system that analyses images directly in the sensor. Information is delivered through IP interface or relay. This now opens up completely new application options in building automation.



EAN HPD1	4007841 593810
Type	Human presence detector
Dimensions (H x W x D)	152 x 101 x 146 mm
Power supply	120-250 V, 50/60 Hz
	+ KNX IP interface
Sensor type	Camera
Where to use	Indoors
Installation	Wall
Recommended installation height	2.5 - 6 m
Output, switching contact 1	Relay, 230 V
	Resistive load 2000 W max. (cos φ = 1)
	1000 VA max. (cos φ = 0.5)
	Relay 120 V
	Resistive load 1000 W max. (cos φ = 1)
	500 VA max. (cos φ = 0.5)
	Inrush current 800 A / 200 μs max.
	30 x (1 x 18 W), 25 x (2 x 18 W)
	25 x (1 x 36 W), 15 x (2 x 36 W)
	20 x (1 x 58 W), 10 x (2 x 58 W)*
Output, switching contact 2	Presence (B1, B2)
	230 W / 230 V max.
	120 W / 120 V max.
	1 A max. (cos φ = 1) for HVAC
Angle of coverage	110°
Detection limitation	Capability of defining zones
Reach	10 m + precision adjustment via zoning
Response brightness	2 - 2000 lx
Time setting	Relay 1: 0 sec. - 10 min., KNX: ETS
	Relay 2 (HVAC): 0 sec. - 60 min., KNX: ETS
HVAC switch-ON delay	0 sec. - 10 min., KNX: ETS
Additional KNX outputs	Total presence
	(all zones / selected zones)
	Threshold controlled by number of persons present
Manual override	selectable
IP rating	IP54
Protection class	II

*Note: each electronic ballast has its own particular inrush current.
A relay or contactor must be provided on line side for higher switching capacities.





IR Quattro HD

CONTROL
PRO
SYSTEM



IR Quattro HD



IR Quattro



IR Quattro SLIM

Indoors	•	•	•
In-ceiling installation	•	•	•
On-ceiling installation	•	•	
COM1	•	•	•
COM1 AP	•	•	
COM2	•	•	•
DIM	•	•	•
DALI	•	•	
KNX	Page 126	Page 128	Page 130
IMPULSER		•	
Installation height	2.5 – 10m	2.5 – 8m	2.5 – 4m
IR switching zones	4800	1760	–
Square detection zones	Presence: 8x8 m max. Radial: 8x8 m max. Tangential: 20x20 m max.	Presence: 4x4 m max. Radial: 5x5 m max. Tangential: 7x7 m max.	Presence: 4x4 m max. Radial: 4x4 m max. Tangential: 4x4 m max.
Page	86	88	92

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

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

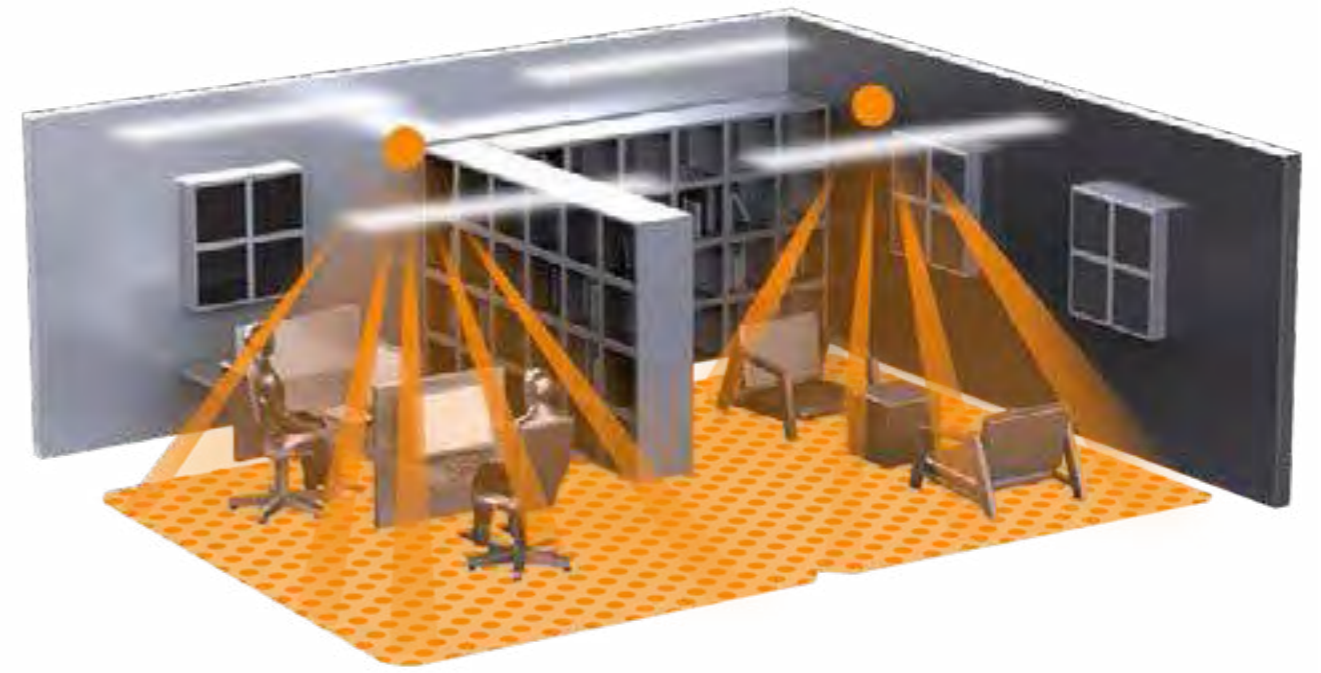
CONTROL
PRO
SYSTEM

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

Both 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 benefit from a self-learning IQ mode. They can also be operated by IR remote control. A precision constant-light 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 quality loss
- Automatic stay-ON times from self-learning IQ mode
- Available in COM1, COM2, DIM, DALI and KNX connecting options



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

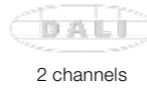
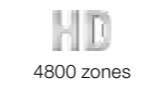
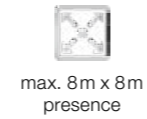
IR Quattro HD

Fits on the ceiling.

And sees what others dream of.

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

CONTROL
PRO
SYSTEM



EAN IR Quattro HD COM1	4007841 002794
EAN IR Quattro HD COM1 AP	4007841 592400
EAN IR Quattro HD COM2	4007841 002770
EAN IR Quattro HD DALI	4007841 002756
EAN IR Quattro HD DIM	4007841 002787



You will find the KNX version on page 126.

Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 70 mm
Dimensions (H x W x D) AP	120 x 120 x 65 mm
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 10 m
Square detection zone, presence	8 x 8 m (64 m ²) max.
Square detection zone, radial	8 x 8 m (64 m ²) max.
Square detection zone, tangential	20 x 20 m (400 m ²) max.
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)
Response brightness	10-1000lx, ∞/daylight
Response brightness, DIM	100-1000lx, ∞/daylight
IP rating	IP20
IP rating with AP Box	IP54
Protection class	II
Temperature range	-25 to +55°C
Enclosure	UV-resistant, paintable

For information on the interfaces, please turn to page 112.

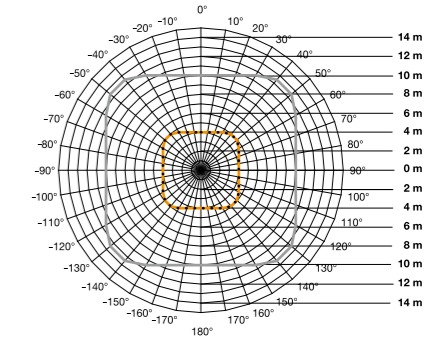
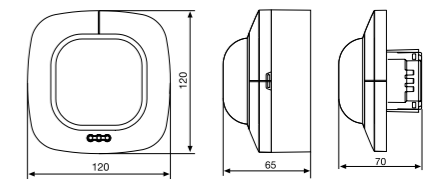
Accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN surface-mounting adapter, Control PRO AP Box	4007841 000363
EAN guard cage	4007841 003036

Refer to the 'Accessories' section for further information.



Surface-mounting version (AP)



IR Quattro HD detection zone
Installed height 2.80 m
grey = tangentially
orange = radially
black = presence



4 pyros with DSP (Digital Signal Processing)



Optional remote controls refer to page 300



Optional surface-mounting 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 smaller-type offices, store rooms, service rooms, utility rooms and wash rooms. And the square detection zone too can be mechanically scaled without any loss of quality - a capability that's exclusive to STEINEL Professional Presence Control PRO.

CONTROL
PRO
SYSTEM



Infrared sensor



max. 4 m x 4 m
presence

2000w
max.

DIM
1-10 V



2 channels



indoor
sensor



2,5-8 m



iQ-mode



energy
saving



functional
warranty



EAN IR Quattro COM1	4007841 000349
EAN IR Quattro COM1 AP	4007841 592301
EAN IR Quattro COM2	4007841 000356
EAN IR Quattro DALI	4007841 002749
EAN IR Quattro DIM	4007841 002718



You will find the KNX version on page 128.

Type	Presence detector
Dimensions (H x W x D) UP	120 x 120 x 76 mm
Dimensions (H x W x D) AP	120 x 120 x 71 mm
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 8 m
Square detection zone, presence	4 x 4 m (16 m ²) max.
Square detection zone, radial	5 x 5 m (25 m ²) max.
Square detection zone, tangential	7 x 7 m (49 m ²) max.
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)
Response brightness	10-1000lx, ∞/daylight
Response brightness, DIM	100-1000lx, ∞/daylight
IP rating	IP20
IP rating with AP Box	IP54
Protection class	II
Temperature range	-25 to +55°C
Enclosure	UV-resistant, paintable

For information on the interfaces, please turn to page 112.

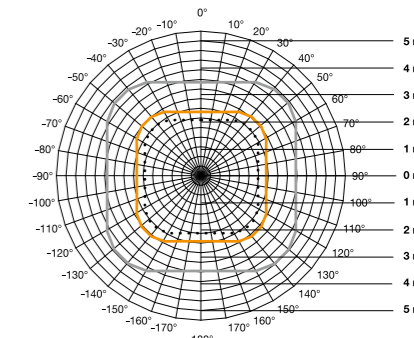
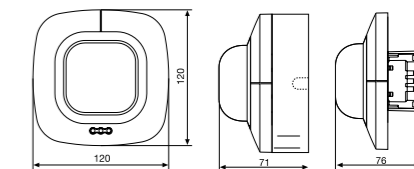
Accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN surface-mounting adapter, Control PRO AP Box	4007841 000363
EAN guard cage	4007841 003036

Refer to the 'Accessories' section for further information.



Surface-mounting
version (AP)



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

Optional
remote controls
refer to page 300



Optional
surface-mounting
adapters (IP 54, KNX)
refer to page 300



Optional guard cage
refer to page 300



Impulser Wireless
refer to page 286



Extremely slim and sensitive.



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

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

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


IR Quattro SLIM

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

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

CONTROL
PRO
SYSTEM




Infrared sensor
max. 4 m x 4 m
presence


2000w
max.

DIM
1 – 10 V

DALI
2 channels


2,5–4m


10–1000 lux
with RC8


1 min–15 Min.
with RC8

TEACH
mode
with RC8

iQ
IQ-Modus

5 JAHRE GARANTIE
functional
warranty

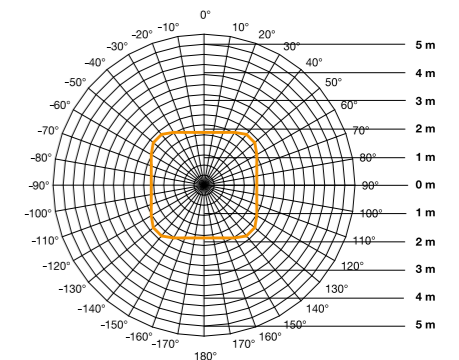
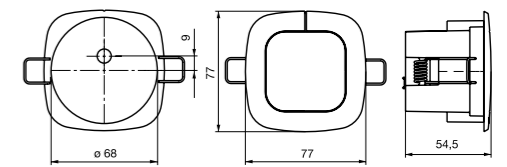
EAN IR Quattro SLIM COM14007841 593414
EAN IR Quattro SLIM COM24007841 593513
EAN IR Quattro SLIM DIM4007841 593612
EAN IR Quattro SLIM DALI4007841 005795

You will find the KNX version on page 130.

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
Recommended installation height 2.5 - 4 m
Output (resistive load,
cos φ = 1, e.g. all-purpose lamp) 2000W max. for 230V
..... 1000W max. for 120V
Output (uncorrected, inductive,
cos φ = 0.5, e.g. fluorescent lamps) 1000W max. for 230V
..... 500W max. for 120V
Inrush current 800 A / 200 μs max.
Electronic ballast 30x (1x18W), 25x (2x18W)
..... 25x (1x36W), 15x (2x36W)
..... 20x (1x58W), 10x (2x58W)
Parallel connection capability Yes
Square detection zone, presence 4 x 4 m (16 m²) max.
Square detection zone, radial 4 x 4 m (16 m²) max.
Square detection zone, tangential 4 x 4 m (16 m²) max.
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)
Response brightness 10–1000 lux, ∞/daylight
Response brightness, DIM/DALI 100–1000 lux, ∞/daylight
IP rating IP20
Protection class II
Temperature range 0 to +40 °C
IQ mode Yes
Enclosure UV-resistant, paintable
For information on the interfaces, please turn to page 112.

Accessories

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



IR Quattro Slim detection zone
Installation height 2.80 m
orange = tangential, radial, presence



Extremely slim
overall height



High-quality retina lens



Can only be set by
optional remote con-
trol RC8





HF 360



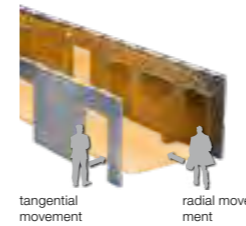
Dual HF

Indoors	•	•
In-ceiling installation	•	•
On-ceiling installation	•	•
COM1	•	•
COM1 AP	•	•
COM2	•	•
DIM	•	•
DALI	•	•
KNX	Page 132	Page 134
Installation height	2.5–3.5m	2.5–3.5m
Detection zone	Ø 1–12m	3x20m
Page	98	100



Doppler principle

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



Tangential = radial

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



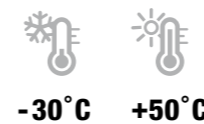
Penetrating detection

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



Optional concealed installation

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



Perfect whether cold or hot

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

**STEINEL HF sensors.
Superior technology.**

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

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



The PRO HF 360 presence detector in Stuttgart city library

HF 360

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

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

CONTROL
PRO
SYSTEM



high frequency sensor 360°



max. Ø 12m

2000w

max.

DIM

1-10 V



2 channels



2,5-3,5m

TEACH

mode

IQ

IQ-Modus



energy saving

5 JAHRE GARANTIE

functional warranty

EAN HF 360 COM1	4007841 002800
EAN HF 360 COM1 AP	4007841 751302
EAN HF 360 COM2	4007841 002848
EAN HF 360 DALI	4007841 002817
EAN HF 360 DIM	4007841 002831

You will find the KNX version on page 132.

Type	Presence detector
Dimensions (H x W x D) UP	120 x 120 x 56 mm
Dimensions (H x W x D) AP	120 x 120 x 51 mm
Sensor type	High frequency
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 3.5 m
Angle of coverage	360° with 140° angle of aperture
Adjustment	even through glass, wood and stud walls
Reach	1 or 2 detection directions can be masked out by mechanical means for adjustment to the room situation
Reach	12 m max. all round, 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)
Response brightness	10-1000lx, ∞/daylight
Response brightness, DIM	100-1000lx, ∞/daylight
IP rating	IP20
IP rating with AP Box	IP54
Protection class	II
Temperature range	-25 to +55°C
IQ mode	Yes
Enclosure	UV-resistant, paintable

For information on the interfaces, please turn to page 112.

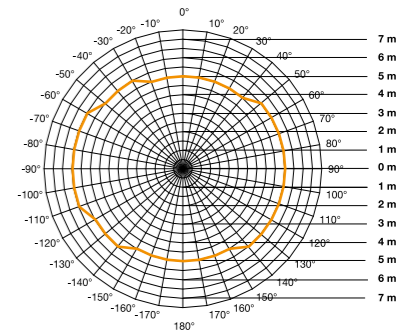
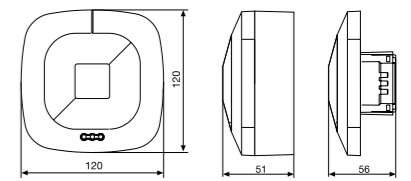
Accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN ceiling adapter for suspended ceilings	4007841 006600
EAN surface-mounting adapter, Control PRO AP Box	4007841 000363
EAN guard cage	4007841 003036

Refer to the 'Accessories' section for further information.



Surface-mounting version (AP)



HF 360 detection zone
Installed height 2.80 m
orange = radially

Optional remote controls refer to page 300



Optional surface-mounting adapters (IP 54, KNX) refer to page 300



Optional guard cage refer to page 300



HF ceiling adapter for installation in suspended ceilings



Dual HF

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

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

CONTROL
PRO
SYSTEM



high frequency
sensor 360°



max. 20x3m

2000w

max.

DIM

1-10 V



2 channels



2,5-3,5m



IQ-Modus

TEACH

mode



energy
saving

5-JAHRE
GARANTIE

functional
warranty

EAN Dual HF COM1.....4007841 002978
EAN Dual HF COM1 AP.....4007841 590703
EAN Dual HF DALI.....4007841 003005
EAN Dual HF DIM.....4007841 002985

You will find the KNX version on page 134.

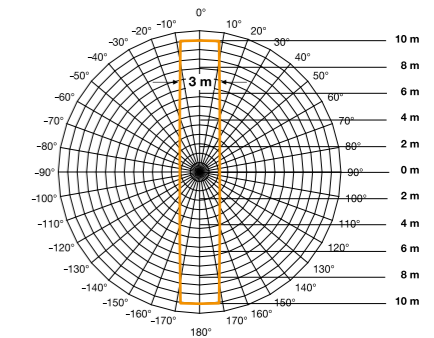
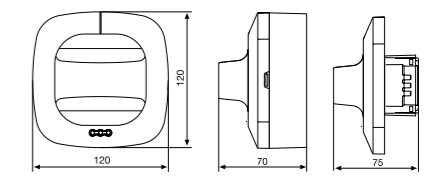
Type..... Presence detector
Dimensions (H x W x D) UP..... 120 x 120 x 75 mm
Dimensions (H x W x D) AP..... 120 x 120 x 70 mm
Sensor type..... High frequency
Where to use..... Indoors
Installation..... Ceiling, corridor
Recommended installation height..... 2.5 - 3.5 m
Angle of coverage..... 360° with 140° angle of aperture
..... even through glass, wood and stud walls
Reach..... 10 x 3 m max. in each direction,
..... electronically and infinitely variable
Sensor system..... 5.8 GHz high frequency (transmitter output < 1mW)
Parallel-connected configurations..... Master/master, master/slave
User-friendly setting..... Teach-In (with optional remote control RC8)
Response brightness..... 10-1000lx, ∞/daylight
Response brightness, DIM..... 100-1000lx, ∞/daylight
IP rating..... IP20
IP rating with AP Box..... IP54
Protection class..... II
Temperature range..... -25 to +55°C
Enclosure..... UV-resistant, paintable
For information on the interfaces, please turn to page 112.

Accessories

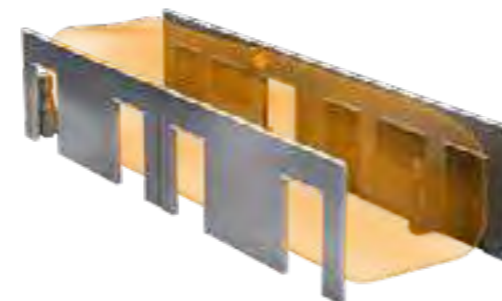
EAN user remote control RC5.....4007841 592806
EAN service remote control RC8.....4007841 559410
EAN surface-mounting adapter, Control PRO AP Box.....4007841 000363
EAN ceiling adapter for suspended ceilings.....4007841 006600
EAN guard cage.....4007841 003036
Refer to the 'Accessories' section for further information.



Surface-mounting
version (AP)



Dual HF detection zone
Installed height 2.80 m
orange = indoor corridor situation,
radial walking direction



Optional remote
controls refer to
page 300



Optional
surface-mounting
adapters (IP 54, KNX)
refer to page 300



Optional guard cage
refer to page 300



HF ceiling adapter
for installation in sus-
pended ceilings



STEINEL ultrasonic technology.
The USA standard.



DualTech

CONTROL
PRO
SYSTEM



DualTech



US 360



Dual US



Single US

Indoors	•	•	•	•
COM1	•	•	•	•
COM2	•	•	•	•
DIM	•	•	•	•
Sensor	Ultrasonic + PIR	Ultrasonic	Ultrasonic	Ultrasonic
Installation height	2.5–3.5m	2.5–3.5m	2.5–3.5m	2.5–3.5m
Detection zones	Presence: Ø6m	Presence: Ø6m	Radial: 3x20 m max. Tangential: 3x20 m max.	Radial: 3x10 m max. Tangential: 3x10 m max.
Page	104	106	108	110

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

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

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

DualTech

The best of both worlds. Combined in one detector.

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

CONTROL
PRO
SYSTEM



2000w
max.

DIM
1 - 10V



TEACH
mode

iQ
IQ-mode



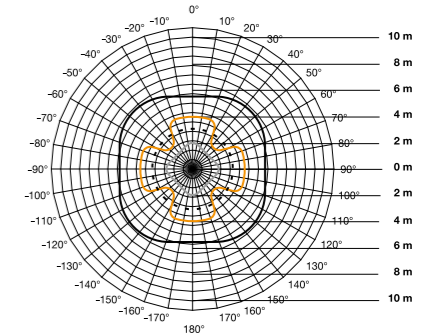
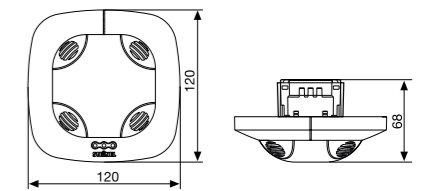
5 YEAR
functional warranty

EAN DualTech COM1	4007841 007997
EAN DualTech COM2	4007841 008000
EAN DualTech DIM	4007841 008017
Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 68 mm
Power supply	220-240 V, 50/60 Hz
Sensor type	Ultrasonic 40KHz and passive infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 3.5 m
Angle of coverage	360°
Reach, US	Ø10m radial, Ø6m presence/tangential
Reach, PIR	3x3m presence
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (via optional remote control RC 8)
Response brightness	10 - 1000 lx
Response brightness, DIM	100-1000lx, ∞/daylight
IP rating	IP20
Protection class	II
Temperature range	-25 to +55°C
Enclosure	UV-resistant plastic, paintable

For information on the interfaces, please turn to page 112.

Accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN surface-mounting adapter AP Box	4007841 000363
EAN guard cage	4007841 003036



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

Optional remote controls refer to page 300



Optional surface-mounting 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





ultrasonic
sensor 360°


max. Ø6m
presence

2000w
max.

DIM
1 - 10V


indoor
sensor


2.5 - 3.5m


10 - 1000 lux

TEACH
mode

iQ
IQ-mode

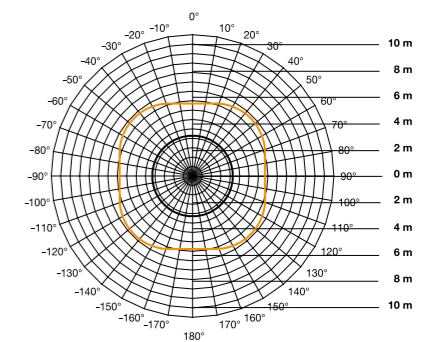
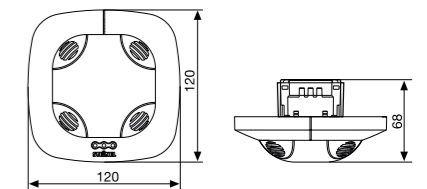

energy
saving

5
functional
warranty



EAN US 360 COM1	4007841 007935
EAN US 360 COM2	4007841 007942
EAN US 360 DIM	4007841 007959
Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 68 mm
Power supply	220-240 V, 50/60 Hz
Sensor type	Ultrasonic 40 kHz
Where to use	Indoors
Recommended installation height	2.5 - 3.5 m
Angle of coverage	360°
Reach	Ø10m radial, Ø6m presence/tangential
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (via optional remote control RC 8)
Response brightness	10 - 1000 lx
Response brightness, DIM	100-1000lx, ∞/daylight
IP rating	IP20
Protection class	II
Temperature range	-25 to +55°C
Enclosure	UV-resistant plastic, paintable

For information on the interfaces, please turn to page 112.



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

Accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN surface-mounting adapter AP Box	4007841 000363
EAN guard cage	4007841 003036

Optional remote controls refer to page 300



Optional surface-mounting 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

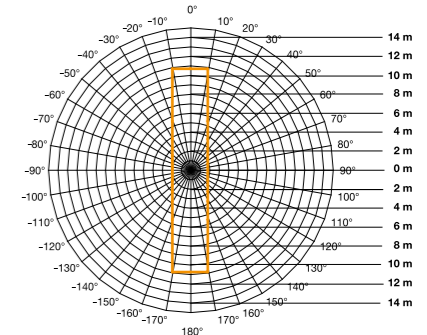
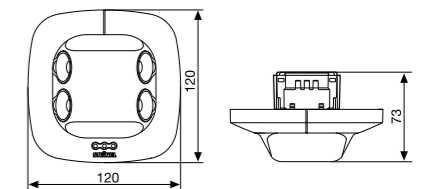
iQ
IQ-mode



5 YEARS
functional
warranty

EAN Dual US COM1	4007841 007843
EAN Dual US COM2	4007841 007850
EAN Dual US DIM	4007841 007867
Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 73 mm
Power supply	220–240 V, 50/60 Hz
Sensor type	Ultrasonic 40 kHz
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 3.5 m
Angle of coverage	Corridor
Reach	3x20m
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (via optional remote control RC 8)
Response brightness	10 - 1000 lx
Response brightness, DIM	100–1000lx, ∞/daylight
IP rating	IP20
Protection class	II
Temperature range	-25 to +55°C
Enclosure	UV-resistant plastic, paintable

For information on the interfaces, please turn to page 112.



DUAL US detection zone
Installation height 2.50 m
orange = radial

Accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN surface-mounting adapter AP Box	4007841 000363
EAN guard cage	4007841 003036



Optional remote
controls refer to
page 300



Optional
surface-mounting
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°


3x10m

2000w
max.

DIM
1 - 10V


indoor
sensor


2.5 - 3.5m

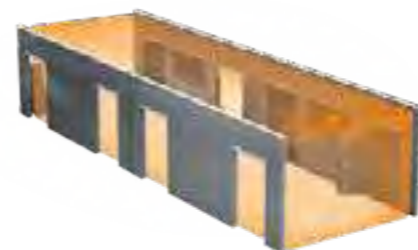

10 - 1000 lux

TEACH
mode

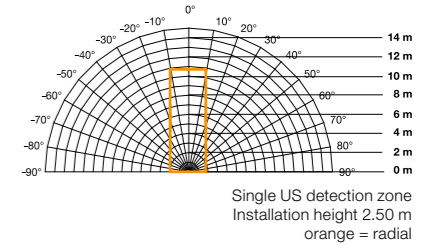
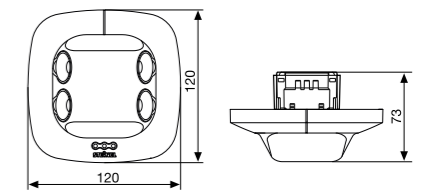
iQ
IQ-mode


energy
saving

5
functional
warranty



EAN Single US COM1	4007841 007966
EAN Single US COM2	4007841 007973
EAN Single US DIM	4007841 007980
Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 73 mm
Power supply	220–240 V, 50/60 Hz
Sensor type	Ultrasonic 40 kHz
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 3.5 m
Angle of coverage	Corridor, one direction
Reach	3x10m
Parallel-connected configurations	Yes
User-friendly setting	Teach-In (via optional remote control RC 8)
Response brightness	10 - 1000 lx
Response brightness, DIM	100–1000lx, ∞/daylight
IP rating	IP20
Protection class	II
Temperature range	-25 to +55°C
Enclosure	UV-resistant plastic, paintable
For information on the interfaces, please turn to page 112.	



Accessories

EAN user remote control RC5	4007841 592806
EAN service remote control RC8	4007841 559410
EAN surface-mounting adapter AP Box	4007841 000363
EAN guard cage	4007841 003036

Optional remote
controls refer to
page 300



Optional
surface-mounting
adapters refer to
page 300



Optional guard cage
refer to page 300



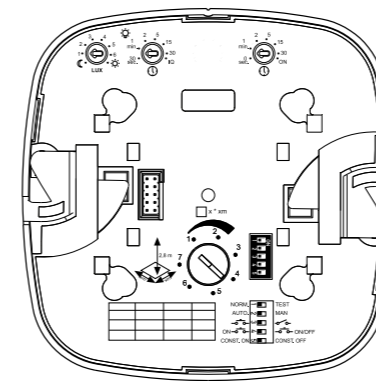
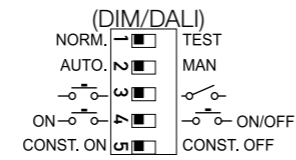
Presence Detector Interfaces

Open to all common networks. STEINEL Professional presence detectors are designed as team players. They are available either with COM1, COM2, DIM, DALI and KNX interfaces or in the form of an Impulser system which means they can easily be integrated as field devices in building-management systems. 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. Apart from this, they can also provide surveillance-only functions.

DIP-switch assignment

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



DIM

DIM

Voltage
220–240 V, 50/60 Hz

Output
Relay 230 V
Resistive load 2000 W max. (cos φ = 1)
Resistive load 1000 W max. (cos φ = 0.5)
Inrush current 800 A/200 μs max.
• 30 × (1 × 18W), 25 × (2 × 18W)
• 25 × (1 × 36W), 15 × (2 × 36W)
• 20 × (1 × 58W), 10 × (2 × 58W)

Note: each electronic ballast has its own particular inrush current. A relay or contactor must be provided on line side for higher switching capacities.

Time setting

30 sec. - 30 min., IQ mode (automatic adjustment to the usage profile)

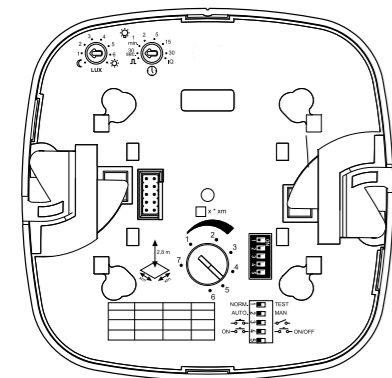
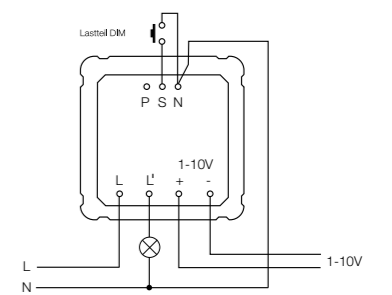
Control output

1 - 10 V, max. of 50 electronic ballasts (100 mA max.)

Basic brightness

0 sec. - 30 min., 10–60% via RC8

Constant-lighting control



COM1

COM1 – COM1 AP

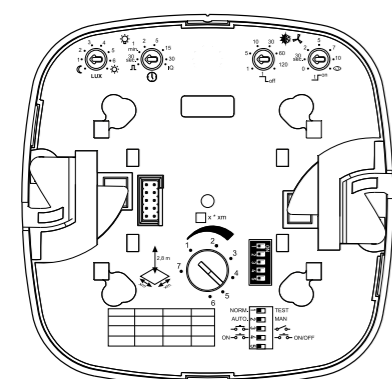
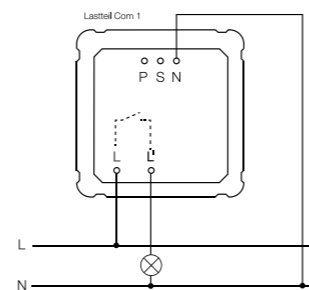
Voltage
220–240 V, 50/60 Hz

Output
Relay 230 V
Resistive load 2000 W max. (cos φ = 1)
Resistive load 1000 W max. (cos φ = 0.5)
Inrush current 800 A/200 μs max.
• 30 × (1 × 18W), 25 × (2 × 18W)
• 25 × (1 × 36W), 15 × (2 × 36W)
• 20 × (1 × 58W), 10 × (2 × 58W)

Note: each electronic ballast has its own particular inrush current. A relay or contactor must be provided on line side for higher switching capacities.

Time setting

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



COM2

COM2

Voltage
220–240 V, 50/60 Hz

Output
Relay 230 V
Resistive load 2000 W max. (cos φ = 1)
Resistive load 1000 W max. (cos φ = 0.5)
Inrush current 800 A/200 μs max.
• 30 × (1 × 18W), 25 × (2 × 18W)
• 25 × (1 × 36W), 15 × (2 × 36W)
• 20 × (1 × 58W), 10 × (2 × 58W)

Note: each electronic ballast has its own particular inrush current. A relay or contactor must be provided on line side for higher switching capacities.

Output switching contact 2

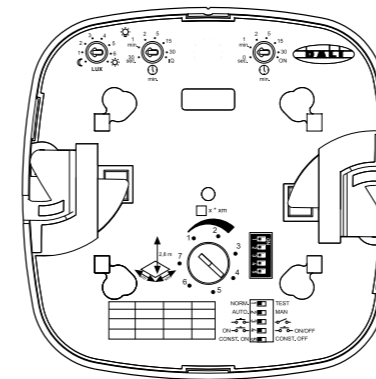
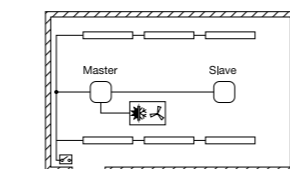
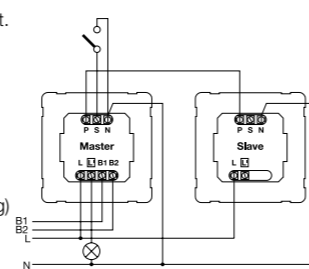
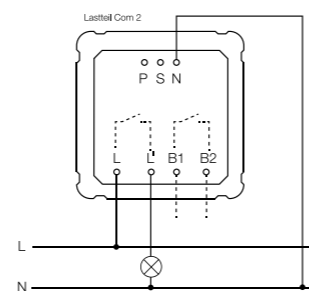
Presence
230 W max. / 230 V
1A max. (cos φ = 1) for HVAC (heating/ventilation/air-conditioning)

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



DALI

DALI

Voltage
220–240 V, 50/60 Hz

Time setting
30 sec. - 30 min., IQ mode (automatic adjustment to the usage profile)

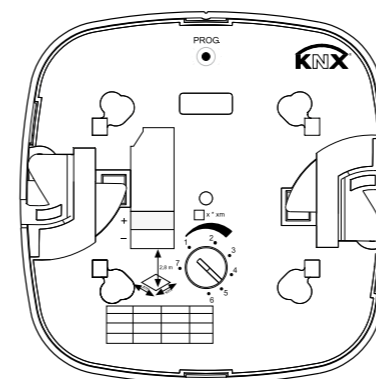
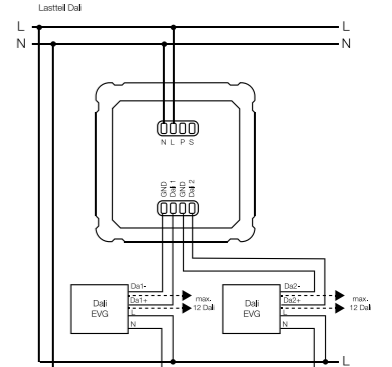
Control output

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

0 sec. - 30 min., 10–60% via RC8

Constant-lighting control



KNX

KNX

Voltage
30 V from KNX bus voltage

Settings

by means of ETS software, remote control or bus

Lighting channels Light 1 - Light 4

Switching/dimming, switching mode, constant lighting control, stay-ON time

Basic brightness

Permanently ON, 1–255 min, 10–50% = all night

HVAC output

depending on presence

Switch-ON delay

Room surveillance, 0–255 min.
Stay-ON time 1 – 255 min.

Presence stay-ON time output

1–255 sec. or 1–255 min

Further outputs

Light level, sabotage protection

Air Control PRO

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

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

CO₂
indoor
sensor

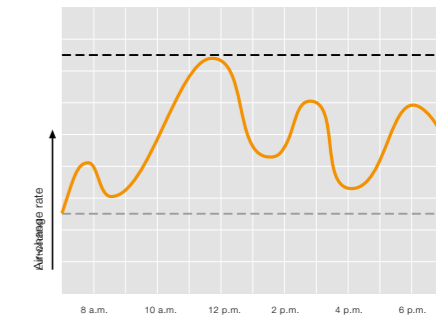
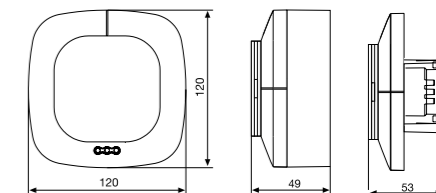
↑
2,5-10m

5-JAHRE
GARANTIE
functional
warranty

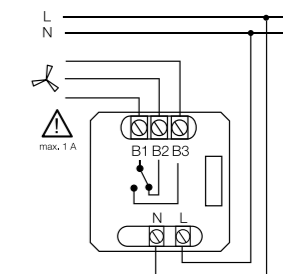
CONTROL
PRO
SYSTEM



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



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



Traffic-light logic
indicates air quality










BLS

Presence detectors BLS.

Our classic one.

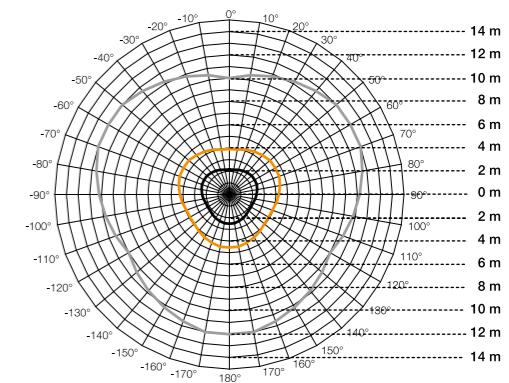
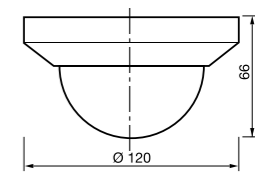
The BLS takes care of managing lighting for larger-type rooms. The multi-sensor system permanently provides optimum illumination and has a positive effect on well-being and productivity - while also cutting energy costs. Connected in parallel, three pyro sensors register whether people are present, with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



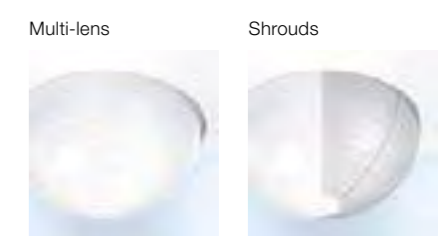
-  infrared sensor 360°
-  max. 12m
-  2000W max.
-  2,5-3m
-  4 min-30 min
-  energy saving
-  5 JAHRE GARANTIE functional warranty

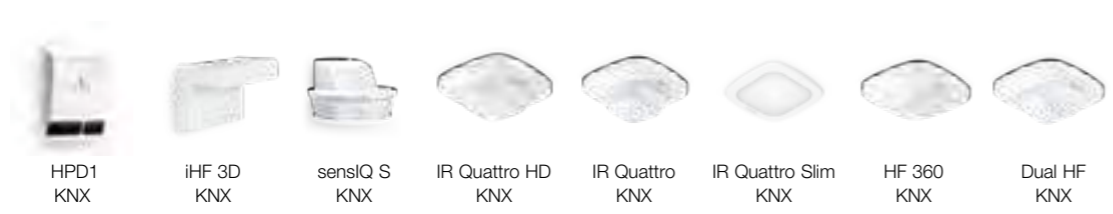
EAN BLS	4007841 720414
Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 66 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 3 m
Output* (low-voltage halogen)	1000 W max.
Output* (resistive load, e.g. filament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

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

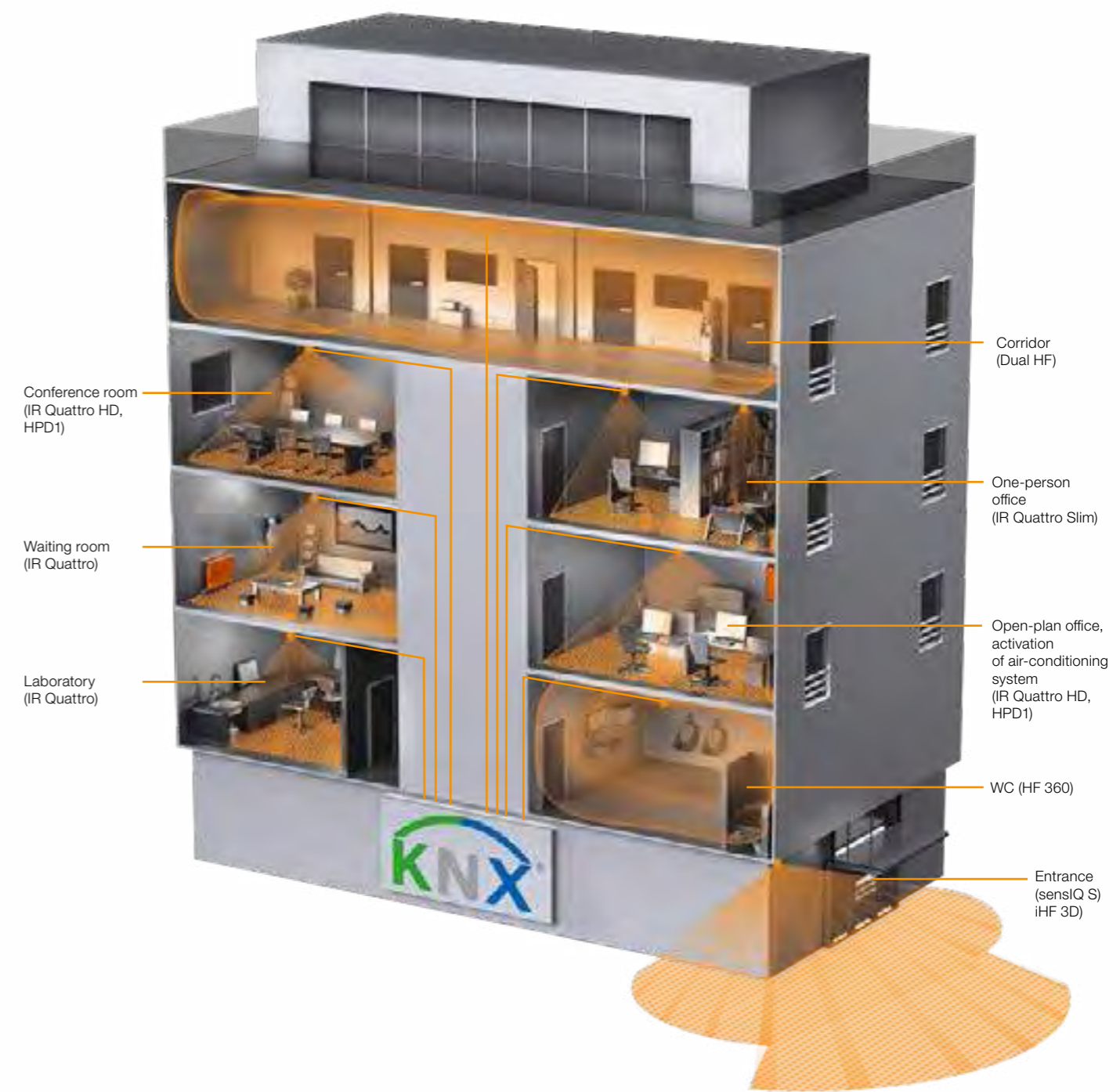


BLS detection zone
Installed height 2.80 m
grey = tangentially
orange = radially
black = presence





Indoors	•		•	•	•	•	•	•
Outdoors		•	•					
On-ceiling installation				•	•	•	•	•
Wall installation	•	•	•					
Sensor	Human presence detector	Intelligent high-frequency technology	Infrared	Infrared	Infrared	Infrared	High frequency	High frequency
Installation height	2.5–6m	2–3m	2.5–5m	2.5–10m	2.5–8m	2.5–4m	2.5–3.5m	2.5–3.5m
Detection zone	Ø 10 m max.	1–7m	2–20m	Presence: 8x8m	Presence: 4x4m	Presence: 4x4m	Ø 12 m max.	20x3m
Page	120	122	124	126	128	130	132	134



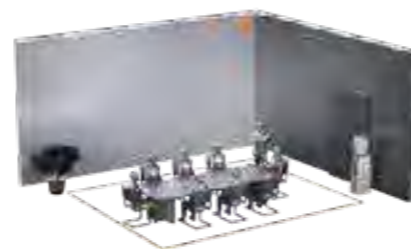
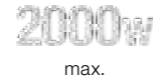
The precision and functionality of STEINEL detectors take the idea of KNX building automation to perfection. STEINEL detectors provide more functions than other sensors and come with additional HVAC and presence outputs to make the overall system even more efficient. All settings for STEINEL sensors are also very easy to change by BUS. In short: opting for STEINEL sensors with KNX interface, you are making exactly the right decision in terms of future-proofing a building and ensuring its long-term attractiveness.

Application descriptions at knx.steinel.de

HPD1

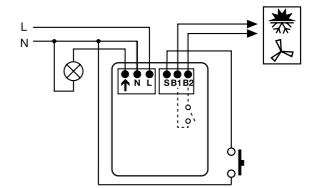
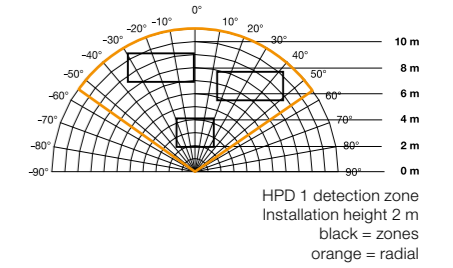
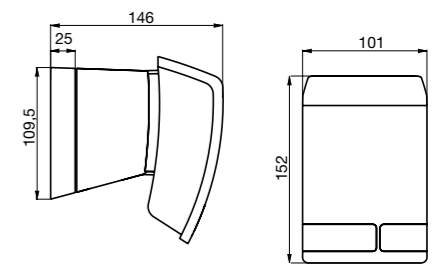
A person is a person - whether moving or not, whether sitting or standing.

Human presence detector HPD 1 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. It has taken the world's best specialists and universities 5 years to develop this system that analyses images directly in the sensor. Information is delivered through IP interface or relay. This now opens up completely new application options in building automation.

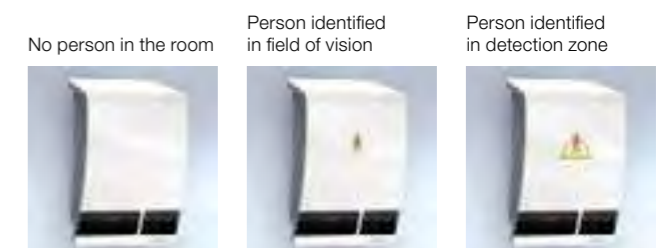


EAN HPD1	4007841 593810
Type	Human presence detector
Dimensions (H x W x D)	152 x 101 x 146 mm
Power supply	120-250 V, 50/60 Hz
	+ KNX IP interface
Sensor type	Camera
Where to use	Indoors
Installation	Wall
Recommended installation height	2.5 - 6 m
Output, switching contact 1	Relay, 230 V
	Resistive load 2000 W max. (cos φ = 1)
	1000 VA max. (cos φ = 0.5)
	Relay 120 V
	Resistive load 1000 W max. (cos φ = 1)
	500 VA max. (cos φ = 0.5)
	Inrush current 800 A / 200 μs max.
	30 x (1 x 18 W), 25 x (2 x 18 W)
	25 x (1 x 36 W), 15 x (2 x 36 W)
	20 x (1 x 58 W), 10 x (2 x 58 W)*
Output, switching contact 2	Presence (B1, B2)
	230 W / 230 V max.
	120 W / 120 V max.
	1 A max. (cos φ = 1) for HVAC
Angle of coverage	110°
Detection limitation	Capability of defining zones
Reach	10 m + precision adjustment via zoning
Response brightness	2 - 2000 lx
Time setting	Relay 1: 0 sec. - 10 min., KNX: ETS
	Relay 2 (HVAC): 0 sec. - 60 min., KNX: ETS
HVAC switch-ON delay	0 sec. - 10 min., KNX: ETS
Additional KNX outputs	Total presence
	(all zones / selected zones)
	Threshold controlled by number of persons present
Manual override	selectable
IP rating	IP54
Protection class	II

*Note: each electronic ballast has its own particular inrush current.
A relay or contactor must be provided on line side for higher switching capacities.



KNX Sensors



iHF 3D KNX

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

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



 intelligent high frequency sensor 160°

 3 zones scalable 3x 1-8m

 KNX

 IP 54

 2m

 2-2000 lux

 0 sec-255 min

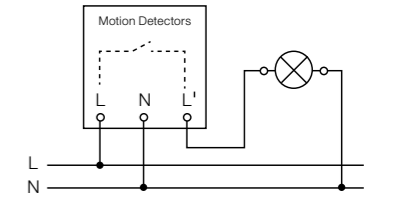
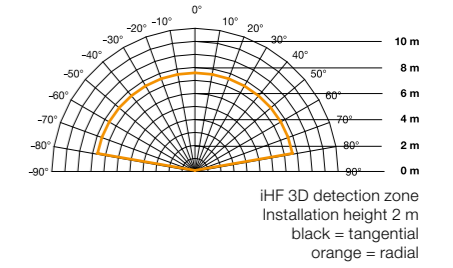
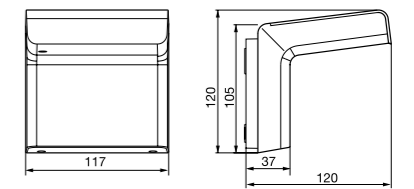
 Marche forcée

 TEACH mode

 energy saving

 5-JAHRE GARANTIE functional warranty

EAN iHF 3D KNX white	4007841 007607
EAN iHF 3D KNX anthracite	4007841 007621
EAN iHF 3D KNX black	4007841 007614
Type	Motion detector
Dimensions (H x W x D)	120 x 117 x 120 mm
Power supply	KNX bus voltage
Sensor technology	iHF (intelligent high-frequency technology)
Transmitter power	approx. 1mW
HF system	5.8 GHz
Where to use	Outdoors
Recommended installation height	2 m
Angle of coverage	160°
Reach	1-7 m
Capability of masking out individual segments	Detection zone can be adjusted on 3 axes
Settings	By means of ETS software, remote control or bus
Light channels Light 1-Light 4	Switching/dimming, switching mode, constant lighting control, stay-ON time
Basic light level	Permanently ON, 1-255 min., 10-50%, all night
HVAC output	Governed by presence
Switch-ON delay	Room surveillance, 0 - 255 min.
Output, presence stay-ON time	Stay-ON time 1 - 255 min.
Output, light	1 channel, including soft light and basic light level
Output, presence	Switching response irrespective of ambient light level
Output, distance	Switching response governed by distance of movement detected
Output, movement profile	Switching response governed by direction of movement (coming, going, from left/right/front)
Output, photo-cell controller	Switching response governed by light level
Further outputs	Light level, sabotage protection
Light level output	in lux
Sabotage protection	Yes
IP rating	IP 54
Protection class	II
Enclosure	UV-resistant plastic
Temperature range	-20 to +50 °C



Also suitable for parallel operating mode.
Intrinsic-light detection.
Further circuit diagrams starting on page 328.

Accessories

EAN IR remote control RC9 4007841 007638
Refer to the 'Accessories' section for further information.



Control unit for adjusting the detection zone in 3 axes



Control dials behind the designer trim panel



iHF sensor protected in the enclosure



UV-resistant plastic



Includes RC9 remote control



sensIQ S KNX

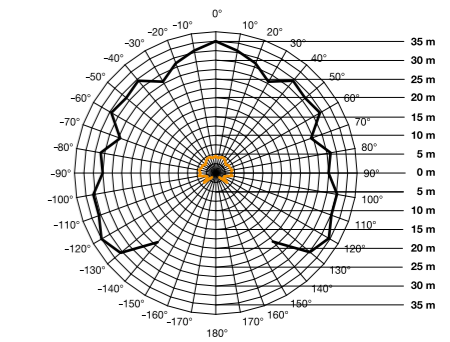
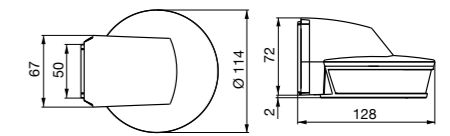
The perfect reference. Compact design also with KNX.

The reference motion detector for use anywhere on the building is also available in a version for the world's only open standard for home and building control. The sensIQ S KNX is just as perfect in form and functional diversity as all other sensIQ models. But this designer motion detector also provides the benefits of KNX technology. The electronic detector was developed specifically for wall mounting, nestles up against any facade and harmonises perfectly with modern architecture. Thanks to KNX control, its inner values are spectacular too.



-  infrared sensor
3 x 100°
-  3 zones scalable
2–20 m
-  KNX
-  IP 54
-  2–5 m
-  2–2000 lux
-  1 min–15 min
-  energy saving
-  5 JAHRE GARANTIE
- functional warranty

sensIQ S KNX, white	4007841 004064
EAN sensIQ S KNX, stainless steel	4007841 004040
EAN sensIQ S KNX, black	4007841 004057
Type	Motion detector
Dimensions (H x W x D)	114 x 74 x 128 mm
Power supply	KNX bus voltage
Sensor type	Passive infrared
Where to use	Indoors and outdoors
Installation	Wall, corner
Recommended installation height	2.00 - 5.00 m
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 by control dial, (2–20 m max. tangential, temperature-stabilised)
Sensor system	4 sensors, 6 detection levels for long-distance detection and 5 for sneak-by protection, 1360 switching zones
Settings	By means of ETS software, remote control or bus
Light channels Light 1–Light 4	Switching/dimming, switching mode, constant lighting control, stay-ON time
Basic light level	Permanently ON, 1–255 min., 10–50%, all night
HVAC output	Governed by presence
Switch-ON delay	Room surveillance, 0 - 255 min. Stay-ON time 1 – 255 min.
Output, presence stay-ON time	1–255 sec. or 1–255 min.
Output, light	1 channel, including soft light and basic light level
Output, presence	Switching response irrespective of ambient light level
Output, distance	Switching response governed by distance of movement detected
Output, movement profile	Switching response governed by direction of movement (coming, going, from left/right/front)
Output, photo-cell controller	Switching response governed by light level
Further outputs	Light level, sabotage protection
Light level output	in lux
IP rating	IP54
Protection class	II
Temperature range	-20 to +50 °C



sensIQ S KNX detection zone
Installation height 1.8 m
black = tangential walking direction
orange = radial walking direction



Accessories

EAN IR remote control RC1	4007841 601416
EAN corner wall mount bracket, white	4007841 608835
EAN corner wall mount bracket, stainless steel	4007841 608804
EAN corner wall mount bracket, black	4007841 608828

Refer to the 'Accessories' section for further information.



4x pyro-system



Includes Remote control RC1



Optional corner wall mount available



IR Quattro HD KNX

Cutting-edge detection quality. For cutting-edge buildings.

When it's a matter of intelligent building automation, presence detectors with extremely good detection performance are a must. The IR Quattro HD leaves absolutely no questions unanswered: 4,800 switching zones in the square detection footprint of 64 m² – which is mechanically scalable without any loss of quality whatsoever – more or less completely rule out inadvertent triggering or blind spots. That's pure high-resolution quality and a dream that's come true for architects, property owners and users alike.



Infrared sensor



max. 8 m x 8 m presence



4800 zones



4 channel



indoor sensor



2,5–10 m



IQ-mode

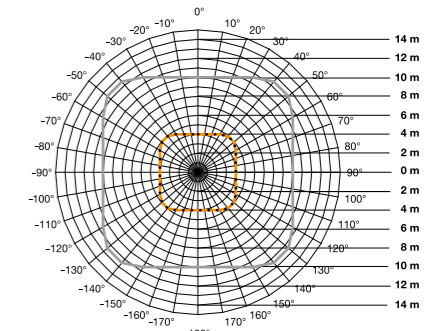
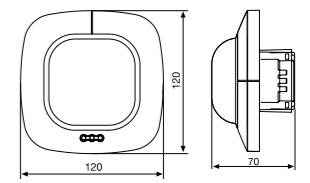


energy saving



functional warranty

EAN IR Quattro HD KNX	.....	4007841 008789
Type	.....	Presence detector
Dimensions (H x W x D)	.....	120 x 120 x 70 mm
Power supply	.....	KNX bus voltage
Sensor type	.....	Passive infrared
Where to use	.....	Indoors
Installation	.....	Ceiling
Recommended installation height	.....	2.5 - 10 m
Square detection zone, presence	.....	8 x 8 m (64 m ²) max.
Square detection zone, radial	.....	8 x 8 m (64 m ²) max.
Square detection zone, tangential	.....	20 x 20 m (400 m ²) max.
Reach mechanically adjustable	.....	Yes
Sensor system	.....	13 detection levels, 4800 switching zones
Settings	.....	By means of ETS software, remote control or bus
Light channels Light 1 –Light 4	.....	Switching/dimming, switching mode, constant lighting control, stay-ON time
Basic light level	.....	Permanently ON, 1–255 min., 10–50%, all night
HVAC output	.....	Governed by presence
Switch-ON delay	.....	Room surveillance, 0 - 255 min.
Stay-ON time	.....	1 – 255 min.
Output, presence stay-ON time	.....	1–255 sec. or 1–255 min.
Output, light	.....	1 channel, including soft light and basic light level
Output, presence	.....	Switching response irrespective of ambient light level
Output, distance	.....	Switching response governed by distance of movement detected
Output, movement profile	.....	Switching response governed by direction of movement (coming, going, from left/right/front)
Output, photo-cell controller	.....	Switching response governed by light level
Further outputs	.....	Light level, sabotage protection
Light level output	.....	in lux
IP rating	.....	IP20
IP rating with AP Box	.....	IP54
Protection class	.....	II
Temperature range	.....	-25 to +55°C
Enclosure	.....	UV-resistant, paintable



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

Accessories

EAN remote control RC6 KNX	.....	4007841 593018
EAN remote control RC7 KNX	.....	4007841 592912
EAN service remote control RC8	.....	4007841 559410
EAN surface-mounting adapter, Control PRO AP Box KNX	4007841 003029	
EAN guard cage	.....	4007841 003036

Refer to the 'Accessories' section for further information.



4 pyros with DSP (Digital Signal Processing)



Optional remote controls refer to page 300



Optional surface-mounting adapters (IP54, KNX) refer to page 300



Optional guard cage refer to page 300



IR Quattro KNX

**Great detection quality.
In small rooms.**

Small offices as well as storage, service, utility and laundry rooms should be integrated reliably into a KNX system too. With its 1,760 switching zones, the IR Quattro KNX is the ideal solution. Its reach is infinitely scalable inside the 16m² square presence detection zone. Without any loss of quality whatsoever. Permitting ultra-precise planning. Thanks to Presence Control PRO.

CONTROL
PRO
SYSTEM



Infrared sensor



max. 4 m x 4 m presence



4 channel



indoor sensor



2,5-8m



IQ-mode

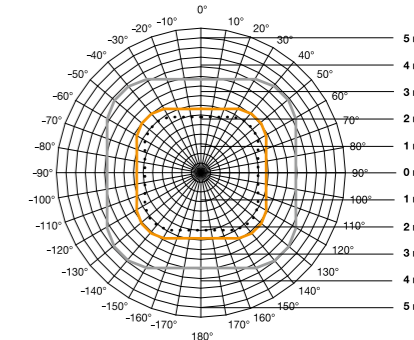
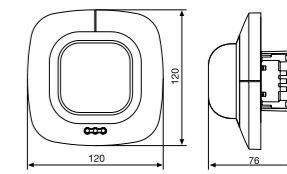


energy saving



functional warranty

EAN IR Quattro KNX	.....	4007841 008772
Type	.....	Presence detector
Dimensions (H x W x D)	.....	120 x 120 x 76 mm
Power supply	.....	KNX bus voltage
Sensor type	.....	Passive infrared
Where to use	.....	Indoors
Installation	.....	Ceiling
Recommended installation height	.....	2.5 - 8 m
Square detection zone, presence	.....	4 x 4 m (16 m ²) max.
Square detection zone, radial	.....	5 x 5 m (25 m ²) max.
Square detection zone, tangential	.....	7 x 7 m (49 m ²) max.
Reach mechanically adjustable	.....	Yes
Sensor system	.....	13 detection levels, 1760 switching zones
Settings	.....	By means of ETS software, remote control or bus
Light channels Light 1 -Light 4	.....	Switching/dimming, switching mode, constant lighting control, stay-ON time
Basic light level	.....	Permanently ON, 1-255 min., 10-50%, all night
HVAC output	.....	Governed by presence
Switch-ON delay	.....	Room surveillance, 0 - 255 min.
Output, presence stay-ON time	.....	Stay-ON time 1 - 255 min.
Output, light	.....	1 channel, including soft light and basic light level
Output, presence	.....	Switching response irrespective of ambient light level
Output, distance	.....	Switching response governed by distance of movement detected
Output, movement profile	.....	Switching response governed by direction of movement (coming, going, from left/right/front)
Output, photo-cell controller	.....	Switching response governed by light level
Further outputs	.....	Light level, sabotage protection
Light level output	.....	in lux
IP rating	.....	IP20
IP rating with AP Box	.....	IP54
Protection class	.....	II
Temperature range	.....	-25 to +55°C
Enclosure	.....	UV-resistant, paintable



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

Accessories

EAN remote control RC6 KNX	.....	4007841 593018
EAN remote control RC7 KNX	.....	4007841 592912
EAN service remote control RC8	.....	4007841 559410
EAN surface-mounting adapter, Control PRO AP Box KNX	.....	4007841 003029
EAN guard cage	.....	4007841 003036

Refer to the 'Accessories' section for further information.



Optional remote controls refer to page 300



Optional surface-mounting adapters (IP54, KNX) refer to page 300



Optional guard cage refer to page 300



IR Quattro Slim KNX

Extremely slim.
Incredibly sensitive.

Modern buildings are planned down to the very last detail both in technical terms as well as from a design perspective. This should also apply to the sensors that are fitted in them. Thanks to its minimal installed height of just 4 mm, the IR Quattro SLIM fits perfectly into any ceiling structure. Its detection performance is all the more astonishing: installed at a height of up to a maximum 4 metres, the world's only retina lens has a genuine presence detection zone of an astounding 16 m². Where no movement escapes the sensor. Despite its slimline design.



Infrared sensor
max. 4 m x 4 m
presence



4 channels



2,5-4m



10-1000 lux
with RC6



1 min-15 Min.
with RC6



mode
with RC6

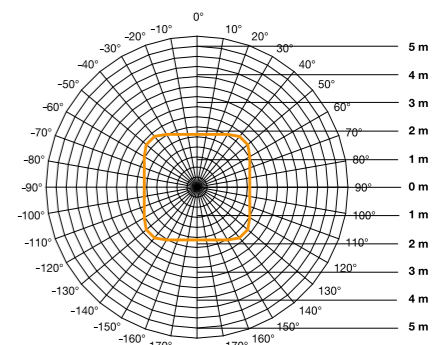
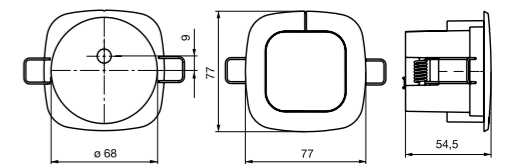


IQ-Modus



functional
warranty

EAN IR Quattro SLIM KNX.....	4007841 008888
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	KNX bus voltage
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 4 m
Parallel connection capability	Yes
Square detection zone, presence	4 x 4 m (16 m ²) max.
Square detection zone, radial	4 x 4 m (16 m ²) max.
Square detection zone, tangential	4 x 4 m (16 m ²) max.
Sensor system	PIR with retina lens and hexagonal Fresnel structure
Settings	By means of ETS software, remote control or bus
Light channels Light 1-Light 4	Switching/dimming, switching mode, .....constant lighting control, stay-ON time
Basic light level	Permanently ON, 1-255 min., 10-50%, all night
HVAC output	Governed by presence
Switch-ON delay	Room surveillance, 0 - 255 min.
.....	Stay-ON time 1 - 255 min.
Output, presence stay-ON time	1-255 sec. or 1-255 min.
Output, light	1 channel, including soft light and basic light level
Output, presence	Switching response irrespective of ambient light level
Output, distance	Switching response governed by distance of movement detected
Output, movement profile	Switching response governed by direction of movement (coming, going, from left/right/front)
Output, photo-cell controller	Switching response governed by light level
Further outputs	Light level, sabotage protection
Light level output	in lux
IP rating	IP20
Protection class	II
Temperature range	0 to +40 °C
IQ mode	Yes
Enclosure	UV-resistant, paintable



IR Quattro Slim detection zone
Installation height 2.80 m
orange = tangential, radial, presence

KNX Sensors

Accessories

EAN service remote control RC6	4007841 593018
EAN user remote control RC7	4007841 592912
EAN 6m extension cable	4007841 006419

Refer to the 'Accessories' section for further information.



Extremely slim overall
height



High-quality retina lens



Can only be set by
optional RC6 and RC7
remote controls










HF 360 KNX

Systematic detection.

Unobtrusive and with absolute precision.

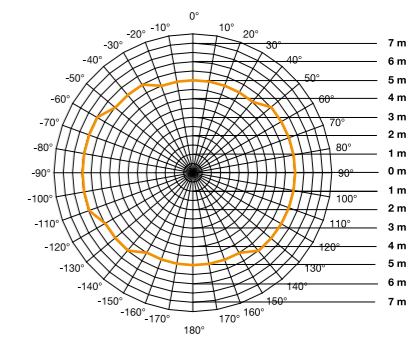
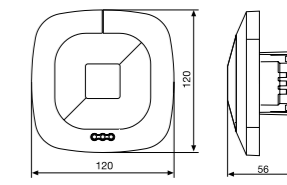
High-frequency sensor technology demonstrates its benefits especially in public areas of modern buildings. As a pioneer of this technology, STEINEL has managed to perfect it in the HF 360 KNX presence detector as an interconnected solution too. Its slimline design not only meets the demands of architects and property owners from an aesthetic point of view. It also helps to prolong its useful life. Because: anyone keeping a low profile is less likely to become a "victim" of vandalism.

-  high frequency sensor 360°
-  max. Ø 12m
-  4 channels
-  2,5-3,5m
-  TEACH mode
-  iQ IQ-Modus
-  energy saving
-  5 YEAR WARRANTY functional warranty

CONTROL
PRO
SYSTEM



EAN HF 360 KNX	4007841 008796
Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 56 mm
Power supply	KNX bus voltage
Sensor type	High frequency
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 3.5 m
Angle of coverage	360° with 140° angle of aperture
	even 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	12 m max. all round, infinitely variable
Sensor system	High-frequency 5.8 GHz (transmission power < 1mW)
Settings	By means of ETS software, remote control or bus
Light channels Light 1 –Light 4	Switching/dimming, switching mode,
	constant lighting control, stay-ON time
Basic light level	Permanently ON, 1–255 min., 10–50%, all night
HVAC output	Governed by presence
Switch-ON delay	Room surveillance, 0 - 255 min.
	Stay-ON time 1 – 255 min.
Output, presence stay-ON time	1–255 sec. or 1–255 min.
Output, light	1 channel, including soft light and basic light level
Output, presence	Switching response irrespective of ambient light level
Output, distance	Switching response governed by
	distance of movement detected
Output, movement profile	Switching response governed by
	direction of movement (coming, going, from left/right/front)
Output, photo-cell controller	Switching response governed by light level
Further outputs	Light level, sabotage protection
Light level output	in lux
IP rating	IP20
IP rating with AP Box	IP54
Protection class	II
Temperature range	-25 to +55°C
iQ mode	Yes
Enclosure	UV-resistant, paintable



HF 360 detection zone
Installation height 2.80 m
orange = radial

Accessories

EAN remote control RC6 KNX	4007841 593018
EAN remote control RC7 KNX	4007841 592912
EAN service remote control RC8	4007841 559410
EAN ceiling adapter for suspended ceilings	4007841 006600
EAN surface-mounting adapter, Control PRO AP Box KNX	4007841 003029
EAN guard cage	4007841 003036

Refer to the 'Accessories' section for further information.

Optional remote controls refer to page 300



Optional surface-mounting adapters (IP 54, KNX) refer to page 300



Optional guard cage refer to page 300



HF ceiling adapter for installation in suspended ceilings



Dual HF KNX

Sets the direction. All systematically.

Time and again, long corridors present challenges to intelligent building automation. They are easily overcome with the Dual HF. Fitted with two powerful high-frequency sensors, the presence detector can cover an amazing 10 metres in each corridor direction. With absolute precision, leaving no movement undetected – and completely without inadvertent triggering: the high-frequency technology reliably masks out movements in adjacent rooms.

CONTROL
PRO
SYSTEM



high frequency
sensor 360°



max. 20x3m



4 channels



2,5–3,5m



IQ-Modus

TEACH
mode

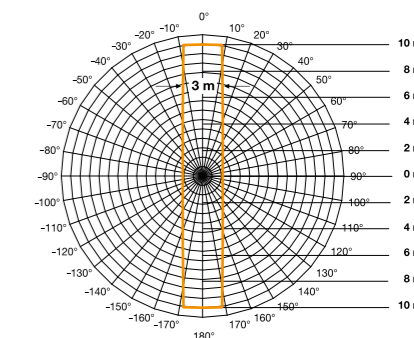
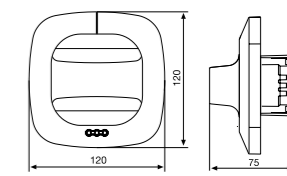


energy
saving



functional
warranty

EAN Dual HF KNX	4007841 008802
Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 75 mm
Power supply	KNX bus voltage
Sensor type	High frequency
Where to use	Indoors
Installation	Ceiling, corridor
Recommended installation height	2.5 - 3.5 m
Angle of coverage	360° with 140° angle of aperture
	even through glass, wood and stud walls
Reach	10 x 3 m max. in each direction,
	electronically and infinitely variable
Sensor system	.5.8 GHz high frequency (transmitter output < 1mW)
Settings	By means of ETS software, remote control or bus
Light channels Light 1 –Light 4	Switching/dimming, switching mode,
	constant lighting control, stay-ON time
Basic light level	Permanently ON, 1–255 min., 10–50%, all night
HVAC output	Governed by presence
Switch-ON delay	Room surveillance, 0 - 255 min.
	Stay-ON time 1 – 255 min.
Output, presence stay-ON time	1–255 sec. or 1–255 min.
Output, light	1 channel, including soft light and basic light level
Output, presence	Switching response irrespective of ambient light level
Output, distance	Switching response governed by
	distance of movement detected
Output, movement profile	Switching response governed by
	direction of movement (coming, going, from left/right/front)
Output, photo-cell controller	Switching response governed by light level
Further outputs	Light level, sabotage protection
Light level output	in lux
IP rating	IP20
IP rating with AP Box	IP54
Protection class	II
Temperature range	-25 to +55°C
Enclosure	UV-resistant, paintable

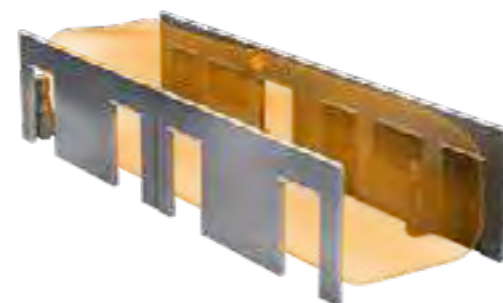


Dual HF detection zone
Installation height 2.80 m
orange = corridor situation indoors,
radial walking direction

Accessories

EAN remote control RC6 KNX	4007841 593018
EAN remote control RC7 KNX	4007841 592912
EAN service remote control RC8	4007841 559410
EAN ceiling adapter for suspended ceilings	4007841 006600
EAN surface-mounting adapter, Control PRO AP Box KNX	4007841 003029
EAN guard cage	4007841 003036

Refer to the 'Accessories' section for further information.



Optional remote
controls refer to
page 300



Optional
surface-mounting
adapters (IP 54, KNX)
refer to page 300



Optional guard cage
refer to page 300



HF ceiling adapter
for installation in sus-
pended ceilings





The light switches on instantly, the RS PRO LED Q1 with high-frequency technology in the Dalberg Höfe complex, Fulda, Germany.

All-inclusive LED System



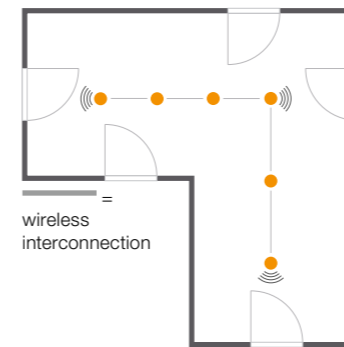
RS PRO LED Q1

RS
PRO
SYSTEM

LED
LONG LIFE



Impact-resistant		•	•	•			
Glass shade		•	•	•			
IP rating	IP20	IP20	IP20	IP20	IP20	IP23	IP44
Output	26W	16W	28W	13W	11W	15/22W	11W
Lumens	2351 lm	972 lm (PMMA) 734 lm (PC) 887 lm (glass)	1440 lm (PMMA) 1039 lm (PC) 1257 lm (glass)	690 lm (PMMA)	770 lm	925 lm (15W) 1400 lm (22W)	620 lm
Sensor	•	•	•	•	•	•	•
Slave						•	
Wireless interconnectability	•	•	•				
Wired interconnectability					•	•	
Page	142	146	148	150	152	154	158



Whether SensorLights operating on their own or systems interconnected by wireless link - any combination is possible.



RS PRO LED S1

High-Frequency
SensorLights
for Indoors

Designed for indoors, the RS PRO system satisfies the demands of professional lighting management to perfection. It combines cutting-edge HF-sensor engineering with LED technology for maximum efficiency and energy savings. With extremely short response time, lights from the RS PRO series permit decentralised, intelligent lighting management that provides 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 last word in convenience but also maximum safety with the greatest possible energy savings.

The patented Active-Thermo-Control system protects the LEDs from overheating. Integrated in the light's design, aluminium cooling fins directly dissipate heat generated at the

back of the LEDs. The temperature of the LEDs is electronically monitored all the time. Going unnoticed, the system controls output to suit demand. This provides optimum lighting at all times while protecting the LED light system.

The RS PRO LED S1 and S2 also come with an 868-MHz wireless communication system already integrated in the light. With a transmission power of approximately 1 mW, this provides the capability of interconnecting several lights to create a lighting group. In this master/master configuration, all lights have equal status. All lights connected together in this way use the swarm function and act more or less as one large single light. The secure wireless protocol has an indoor reach of approximately 30 metres.

Discover the product line-up from the RS PRO series on the pages that now follow.

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



RS PRO LED Q1

High-Frequency
Sensor Lights
for Indoors

Waxing lyrical allowed.

The RS PRO LED Q1 adds a further highlight to the high end of the indoor LED SensorLight 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. With the RS PRO LED Q1, for instance, you can not only make all settings in the usual way by potentiometer and DIP switch but also very conveniently by 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 the installation effort to a minimum. Added convenience is also provided by the capability of switching on the main light and basic light level simultaneously for all lights 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 SensorLight of the next generation, it combines trendsetting design and customisable functionality with pioneering technology. On incredibly little energy and providing impressively homogeneous lighting. It is just as easy to install as it is to form lighting groups by wireless interconnection. Group parameterisation provides the capability of relaying all settings on to the other lights in an instant. Hard to believe that we have managed to pack all this into such a slim profile.

RS PRO SYSTEM

LED LONG LIFE



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

26w
2351 lm
90,4lm/W

high frequency sensor 360°

1-8m

2-2000 lux

5 sec - 15 min

Marche forcée

10-50%
basic brightness

networkable wireless

soft light start

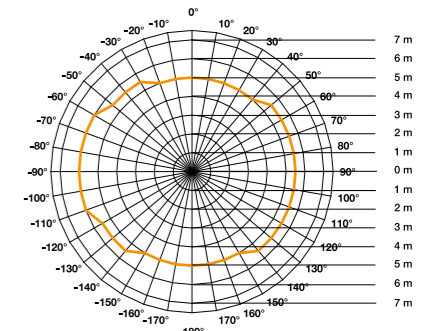
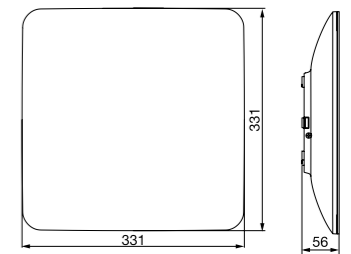
TEACH
mode

energy saving

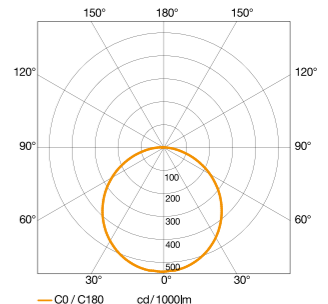
5 JAHRE GARANTIE
functional warranty



EAN RS PRO LED Q1 WW silver	4007841 007126
EAN RS PRO LED Q1 WW white	4007841 007133
EAN RS PRO LED Q1 CW silver	4007841 007102
EAN RS PRO LED Q1 CW 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. 1mW
HF system	5.8 GHz
Output (lights)	26W
Brightness	2351 lm
Efficiency	90.4lm/W
Colour temperature WW	3000 K / SDCM 3
Colour temperature CW	4000 K / SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360°
Detection	if necessary, through glass, wood and stud walls
Reach	1-8 m
Response brightness	2 - 2000 lx
Time setting	5 sec.- 15 min.
Basic light level	10 - 50%
Soft light start	Yes
IP rating	IP20
Protection class	II
Material	Aluminium (base) and PMMA (shade)
Temperature range	- 10 to +40°C
With lamp	STEINEL LED system



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



RS PRO LED Q1 light distribution curve

Accessories

EAN remote control RC10 4007841 007645
Refer to the 'Accessories' section for further information.



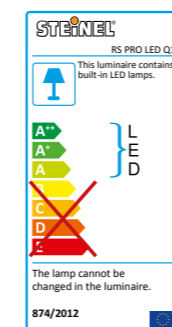
white

silver

High-Frequency SensorLights for Indoors



<p>Including STEINEL LED system</p>	<p>Intelligent LED cooling system</p>	<p>Optional RC10 remote controls</p>
<p>Optional basic lighting level 10 - 50 %</p>	<p>Wireless interconnection with Remote Group Setting</p>	<p>High-quality aluminium</p>





High-frequency SensorLight RS PRO LED S1 In the stairwells and corridors of the IKANO residential complex at Helsingborg, Sweden.

RS PRO LED S1

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

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

RS PRO SYSTEM

LED LONG LIFE



LED

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

16w

max. 972lm
60.75lm/W



high frequency
sensor 360°



\varnothing 1-8m



2-2000 lux



5 sec-15 min



basic
brightness



networkable
wireless



energy
saving



functional
warranty

Dimensions (H x W x D) 300 x 300 x 71 mm
Power supply 230-240 V, 50/60 Hz
Sensor type High frequency
Transmitter power approx. 1 mW
HF system 5.8 GHz (responds to the smallest of movements regardless of temperature)
Output 16 W (1.8 W when dimmed)
Additional switching capacity Master/master configurations and master/slave via 868 MHz wireless connection
Brightness / efficiency (without shade) 1200 lm / 75 lm/W
Colour temperature WW 3000 K / SDCM 3
Colour temperature CW 4000 K / SDCM 3
Colour rendering Ra \geq 80
LED life expectancy 50,000 h (L70B10 to LM80)
LED cooling system Active Thermo Control
Angle of coverage 360° with 160° angle of aperture
Detection also through glass, wood and stud walls
Reach 1 - 8 m all round, infinitely variable, can be limited in 4 directions
Slave mode selectable
Max. area covered 50 m²
Response light level 2 - 2000 lx
Basic light level Dimmed to 10 %, a) all night long, b) 10 min. after expiry of the set time, c) 30 min. after expiry of the set time
Time setting 5 sec. - 15 min.
IP rating IP20
Protection class II
Impact resistance (PMMA) IK03
Impact resistance (polycarbonate) IK07
Impact resistance (glass) IK02
Temperature range -10 to +50 °C
Material Aluminium base
With lamp STEINEL LED system

EAN RS PRO LED S1 CW PMMA 4007841 007058
Brightness / efficiency (with shade) 972 lm / 60.75 lm/W

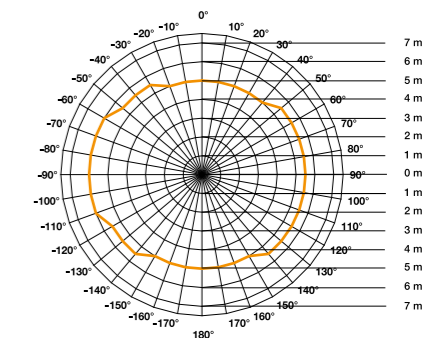
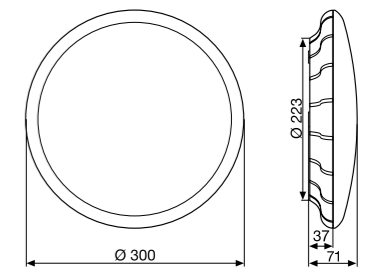
EAN RS PRO LED S1 CW, polycarbonate 4007841 007010
Brightness / efficiency (with shade) 734 lm / 45.70 lm/W

EAN RS PRO LED S1 CW, glass 4007841 006990
Brightness / efficiency (with shade) 887 lm / 55.43 lm/W

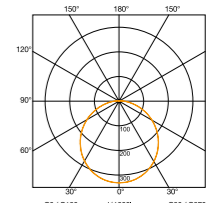
EAN RS PRO LED S1 WW PMMA 4007841 007072
Brightness / efficiency (with shade) 950 lm / 59.38 lm/W

EAN RS PRO LED S1 WW, polycarbonate 4007841 007034
Brightness / efficiency (with shade) 668 lm / 41.75 lm/W

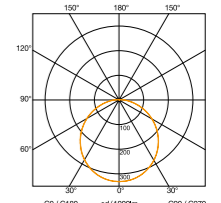
EAN RS PRO LED S1 WW, glass 4007841 006983
Brightness / efficiency (with shade) 808 lm / 50.50 lm/W



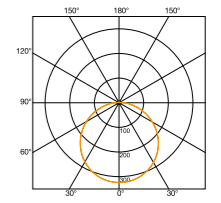
RS PRO LED S1 detection zone
Mounting height 2.8 m
orange = radial walking direction



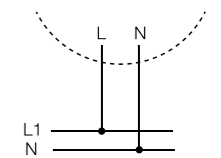
Light distribution curve for RS PRO LED S1 PMMA



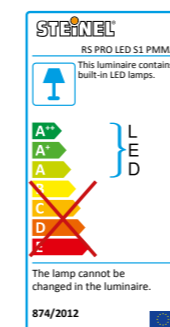
Light distribution curve for RS PRO LED S1 PC



Light distribution curve for RS PRO LED S1 glass



Parallel operation by integrated wireless module



Including STEINEL LED system



Intelligent LED (ATC) cooling system



Optional basic light level 10 %



Wireless interconnection



High-quality aluminium



RS PRO LED S2

The smartest light in the world.

With high-frequency sensor and LED technology.

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

RS PRO SYSTEM

LED LONG LIFE



LED

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

28w

max. 1440lm



high frequency sensor 360°



\varnothing 1–8m



2–2000 lux



5 sec – 15 min



basic brightness



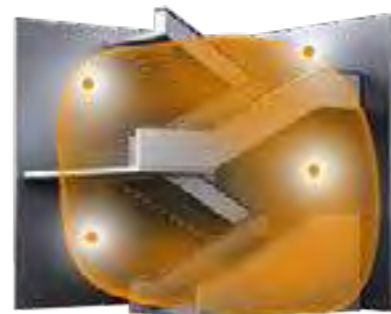
networkable wireless



energy saving

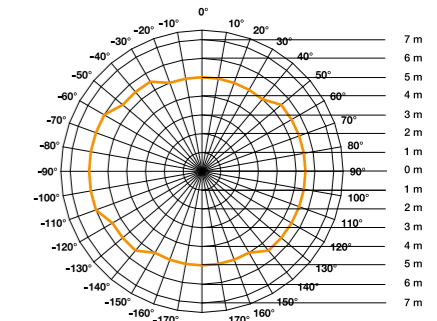
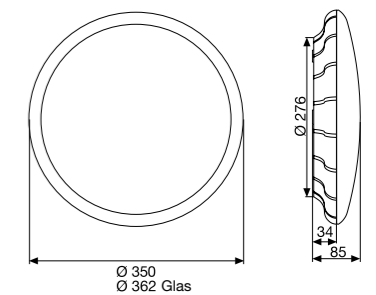
5 JAHRE GARANTIE

functional warranty

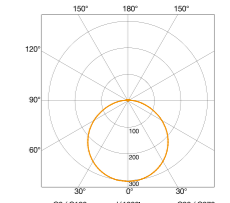


Dimensions (H x W x D) \varnothing 350 x 83 mm, (glass \varnothing 362 x 85 mm)
 Power supply 230 – 240 V, 50 Hz
 Sensor type High frequency
 Transmitter power approx. 1 mW
 HF system 5.8 GHz (responds to the smallest of movements regardless of temperature)
 Output 28 W (2.8 W when dimmed)
 Additional switching capacity Master/master configurations and master/slave via 868 MHz wireless connection
 Brightness / efficiency (without shade) 2000 lm / 71.4 lm/W
 Colour temperature WW 3000 K / SDCM 3
 Colour temperature CW 4000 K / SDCM 3
 Colour rendering Ra \geq 80
 LED life expectancy 50,000 h (L70B10 to LM80)
 LED cooling system Active Thermo Control
 Angle of coverage 360° with 160° angle of aperture
 Detection also through glass, wood and stud walls
 Reach \varnothing 1–8m, infinitely variable can be limited in 4 directions
 Slave mode selectable
 Max. area covered 50 m²
 Response light level 2 - 2000 lx
 Basic light level Dimmed to 10 %, a) all night long, b) 10 min. after expiry of the set time, c) 30 min. after expiry of the set time
 Time setting 5 sec. - 15 min.
 IP rating IP20
 Protection class II
 Impact resistance (PMMA) IK03
 Impact resistance (polycarbonate) IK07
 Impact resistance (glass) IK02
 Temperature range - 10 to +50 °C
 Material Aluminium base
 With lamp STEINEL LED system

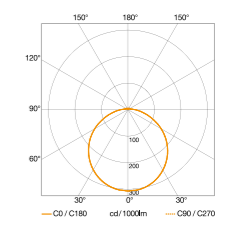
- EAN RS PRO LED S2 CW PMMA 4007841 662110
Brightness / efficiency (with shade) 1440 lm / 51.4 lm/W
- EAN RS PRO LED S2 CW, polycarbonate 4007841 662011
Brightness / efficiency (with shade) 1039 lm / 37.1 lm/W
- EAN RS PRO LED S2 CW, glass 4007841 662219
Brightness / efficiency (with shade) 1257 lm / 44.9 lm/W
- EAN RS PRO LED S2 WW PMMA 4007841 661816
Brightness / efficiency (with shade) 1386 lm / 59.5 lm/W
- EAN RS PRO LED S2 W, polycarbonate 4007841 661717
Brightness / efficiency (with shade) 1000 lm / 35.7 lm/W
- EAN RS PRO LED S2 W, glass 4007841 661915
Brightness / efficiency (with shade) 1210 lm / 43.2 lm/W



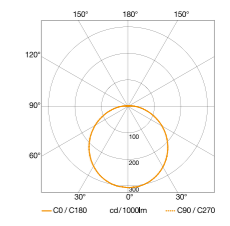
RS PRO LED S2 detection zone
Mounting height 2.8 m
orange = radial walking direction



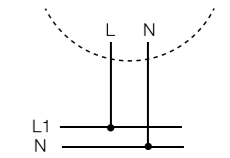
Light distribution curve for RS PRO LED S2 PMMA



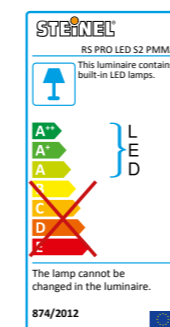
Light distribution curve for RS PRO LED S2 PC



Light distribution curve for RS PRO LED S2 glass



Parallel operation by integrated wireless module



Including STEINEL LED system



Intelligent LED (ATC) cooling system



Optional basic light level 10 %



Wireless interconnection



High-quality aluminium



High-Frequency Sensor Lights for Indoors

RS PRO LED B1 Emergency light

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 S1 has an integrated rechargeable back-up battery that automatically switches ON emergency LED lighting to EN 60538-2-22 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.

RS PRO SYSTEM

LED LONG LIFE



LED

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

13w

max. 710lm



high frequency sensor 360°



\varnothing 1-8m



2-2000 lux



5 sec - 15 min



energy saving

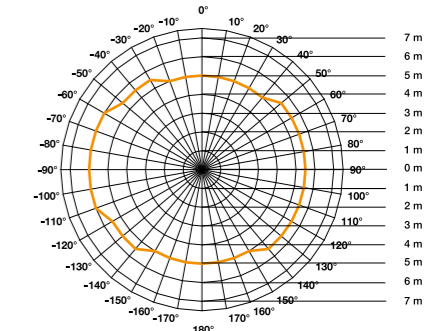
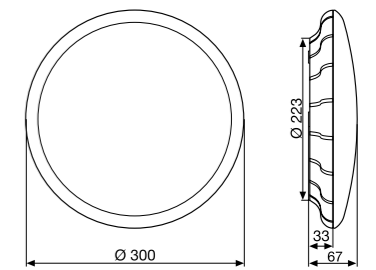
5 JAHRE GARANTIE

functional warranty

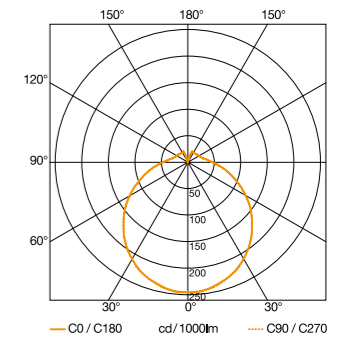
Dimensions (H x W x D) \varnothing 300 x 67 mm
 Power supply 230 - 240 V, 50 Hz
 Sensor type High frequency
 Transmitter power approx. 1 mW
 HF system 5.8 GHz (responds to the smallest of movements regardless of temperature)
 Output 13W
 Brightness / efficiency (without shade) 1200 lm / 92.3 lm/W
 Colour temperature WW 3000 K / SDCM 3
 Colour temperature CW 4000 K / SDCM 3
 Colour rendering Ra \geq 80
 LED life expectancy 50,000 h (L70B10 to LM80)
 LED cooling system Active Thermo Control
 Angle of coverage 360° with 160° angle of aperture
 Detection also through glass, wood and stud walls
 Reach 1 - 8 m all round, infinitely variable, can be limited in 4 directions
 Max. area covered 50 m²
 Response light level 2 - 2000 lx
 Time setting 5 sec. - 15 min.
 Install mode Yes
 IP rating IP20
 Protection class I
 Impact resistance (PMMA) IK03
 Temperature range 0 to +40 °C
 Material Aluminium base and plastic shade
 With lamp STEINEL LED system

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

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

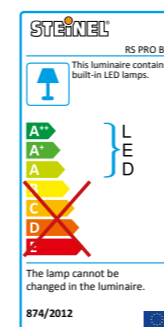


RS PRO LED B1 detection zone
 Mounting height 2.8 m
 orange = radial walking direction



Light distribution curve for RS PRO LED S1 emergency light

High-Frequency Sensor Lights for Indoors



Including STEINEL LED system



Intelligent LED (ATC) cooling system



Emergency light module in compliance with EN 60538-2-22



High-quality aluminium



RS PRO LED R1

The new benchmark.

Focus on technology. Easy to install.

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

RS
PRO
SYSTEM

LED
LONG LIFE



LED

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

11w

770lm
70lm/W



high frequency
sensor 360°



\varnothing 1–8m



2–2000 lux



5 sec–15 min



networkable
cable



energy
saving

5 JAHRE
GARANTIE

functional
warranty

Dimensions (H x W x D) \varnothing 270x70 mm
 Power supply 220–240 V, 50/60 Hz
 Sensor type High frequency
 Transmitter power approx. 1mW
 HF system 5.8 GHz
 Output 11 W
 Brightness / efficiency (without shade) 770 lm / 70 lm/W
 Colour temperature WW 3000 K / SDCM 3
 Colour temperature CW 4000 K / SDCM 3
 Colour rendering Ra \geq 80
 LED life expectancy 50,000 h (L70B10 to LM80)
 LED cooling system Passive Thermo Control
 Angle of coverage 360°
 Detection if necessary, through glass, wood and stud walls
 Reach 1–8 m
 Response brightness 2 - 2000 lx
 Time setting 5 sec.– 15 min.
 Soft light start No
 IP rating IP20
 Protection class II
 Temperature range -10 to +50°C
 Material UV-resistant plastic
 With lamp STEINEL LED system

EAN RS PRO LED R1 CW white 4007841 728113
 EAN RS PRO LED R1 CW silver 4007841 007447
 EAN RS PRO LED R1 CW anthracite 4007841 007454
 Brightness / efficiency (with shade) 770 lm / 70 lm/W

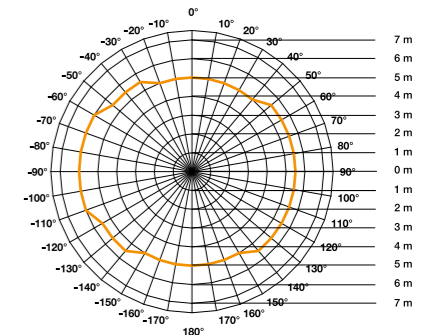
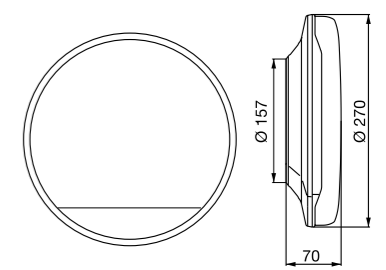
EAN RS PRO LED R1 WW white 4007841 728212
 EAN RS PRO LED R1 WW silver 4007841 007461
 EAN RS PRO LED R1 WW anthracite 4007841 007478
 Brightness / efficiency (with shade) 770 lm / 70 lm/W



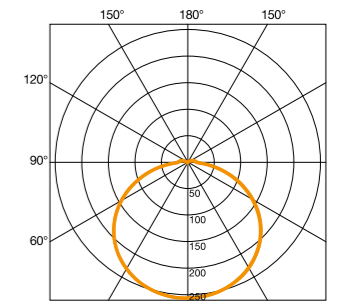
white

silver

anthracite

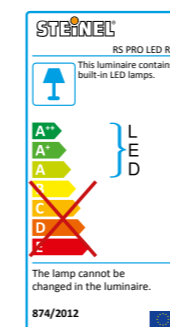


RS PRO LED R1 detection zone
 Installation height 2.8 m
 orange = radial walking direction



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

High-Frequency
Sensor Lights
for Indoors



Including STEINEL
LED system



Interconnectable by
cable, maximum of
10 units



RS PRO DL LED 15W

All good things come from above.

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

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

RS
PRO
SYSTEM

LED
LONG LIFE



LED

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

15w

925lm
61,6lm/W



high frequency
sensor 360°



\varnothing 2-8m



2,5-3,5m



2-2000 lux



1 min-60 min



basic
brightness



networkable
cable



energy
saving

5 JAHRE
GARANTIE

functional
warranty

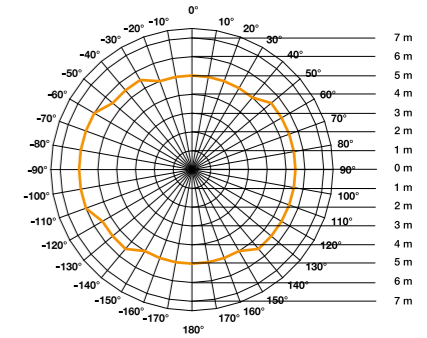
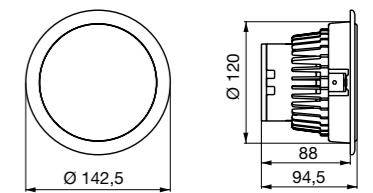
EAN Downlight RS PRO DL LED 15W CW	4007841 007713
EAN Downlight RS PRO DL LED 15W Slave CW	4007841 007720
EAN Downlight RS PRO DL LED 15W WW	4007841 007744
EAN Downlight RS PRO DL LED 15W Slave WW	4007841 007737
Dimensions (H x W x D)	\varnothing 142,5 x 94,5 mm
Power supply	100-240 V, 50/60Hz (can be operated on direct current in emergency lighting mode)
Sensor type	High frequency
Transmitter power	approx. 1 mW
HF system	5.8 GHz (responds to the smallest of movements regardless of temperature)
Output	15W
Brightness	925 lm
Efficiency	61.6 lm/W
Colour temperature WW	3000 K / SDCM 5
Colour temperature CW	4000 K / SDCM 5
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360° with 160° angle of aperture
Detection	also through glass, wood and stud walls
Reach*	2 - 8 m all-round
Max. area covered	50 m ²
Response light level*	2 - 2000 lx
Basic light level	Dimmed to 10 %, a) all night long, b) 10 min. after expiry of the set time,
Time setting*	1 min. - 1 h
IP rating	IP20
Protection class	II
Temperature range	- 10 to +50 °C
With lamp	STEINEL LED system

Accessories

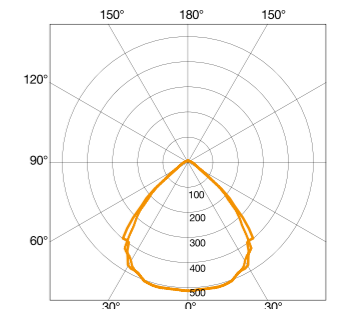
EAN remote control RC2 4007841 737818
Refer to the 'Accessories' section for further information.



Slave version
without sensor

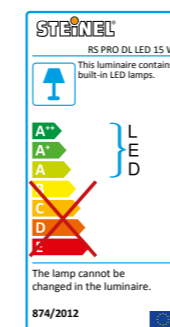


RS PRO DL LED 15 W detection zone
Mounting height 2.8 m
orange = radial walking direction



Light distribution curve for RS PRO DL LED 15W

High-Frequency
Sensor Lights
for Indoors



Including STEINEL
LED system



Intelligent LED
(ATC) cooling system



Ceiling-flush
installation



Interconnectable by
cable, maximum of
20 units



Can only be set
by optional remote
control RC2



RS PRO DL LED 22W

The optimum solution for suspended ceilings.

The powerful LED downlighter with high-frequency sensor.

The RS PRO LED DL 22 W LED is the more powerful version of the LED downlighter. And there's not much left to see from this indoor high-frequency ceiling SensorLight either. Once in place, the entire system fits flush with the suspended ceiling, with the easy-fit clamp-type retainer making installation a breeze. Incidentally, interconnected slave versions can be used to make the RS PRO DL 22 W LED even more energy-efficient.

RS
PRO
SYSTEM

LED
LONG LIFE



LED

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

22w

1400lm
63,6lm/W



high frequency
sensor 360°



\varnothing 2-8m



2,5-3,5m



2-2000 lux



1 min-60 min



basic
brightness



networkable
cable

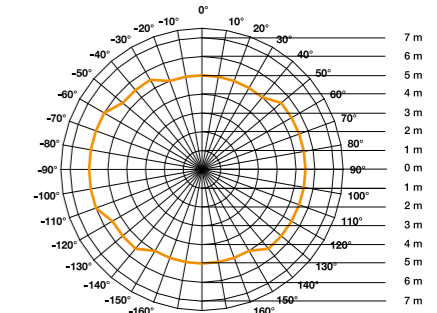
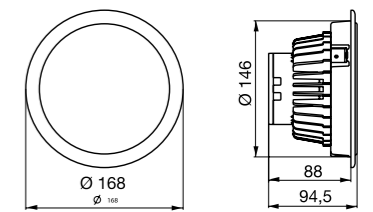


energy
saving

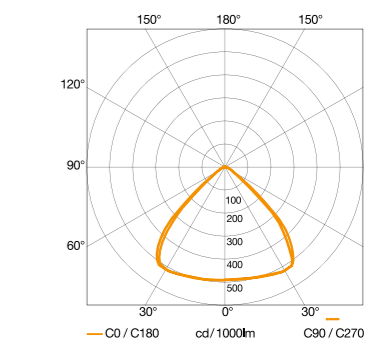
**5 JAHRE
GARANTIE**

functional
warranty

EAN Downlight RS PRO DL LED 22W CW	4007841 007751
EAN Downlight RS PRO DL LED 22W Slave CW	4007841 007768
EAN Downlight RS PRO DL LED 22W WW	4007841 007782
EAN Downlight RS PRO DL LED 22W Slave WW	4007841 007775
Dimensions (H x W x D)	\varnothing 168 x 94,5 mm
Power supply	100-240 V, 50/60Hz
	(can be operated on direct current in emergency lighting mode)
Sensor type	High frequency
Transmitter power	approx. 1 mW
HF system	5.8 GHz (responds to the smallest of movements
	regardless of temperature)
Output	22 W
Brightness	1400 lm
Efficiency	63.6 lm/W
Colour temperature WW	3000 K / SDCM 5
Colour temperature CW	4000 K / SDCM 5
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360° with 160° angle of aperture
Detection	also through glass, wood and stud walls
Reach*	2 - 8 m all-round
Max. area covered	50 m ²
Response light level*	2 - 2000 lx
Basic light level	Dimmed to 10 %,
	a) all night long,
	b) 10 min. after expiry of the set time,
Time setting*	1 min. - 1 h
IP rating	IP20
Protection class	II
Temperature range	- 10 to +50 °C
With lamp	STEINEL LED system
	*By remote control only



RS PRO DL LED 22 W detection zone
Mounting height 2.8 m
orange = radial walking direction



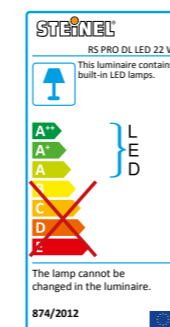
Light distribution curve for RS PRO DL LED 22W

Accessories

EAN remote control RC2 4007841 737818
Refer to the 'Accessories' section for further information.



Slave version
without sensor



Including STEINEL
LED system



Intelligent LED
(ATC) cooling system



Ceiling-flush
installation



Interconnectable by
cable, maximum of
20 units



Can only be set by
optional remote con-
trol RC2



High-Frequency
SensorLights
for Indoors

RS PRO LED P 1

Efficient. Elegant. Pioneering.

The ideal gateway to the professional class.

Today, indoor lighting solutions are in demand that not only provide the last word in convenience and intelligent technology but also integrate harmoniously into the particular interior design. We have found the perfect answer in the RS PRO LED P1. Timeless design and very easy installation combined with pioneering technology and maximum efficiency. Because as the virtually invisible 360-degree high-frequency sensor always operates the 11W LED lighting system reliably and in absolute silence, the indoor light is a real asset to any household from the aspects of aesthetic appeal and cost efficiency.

**LED
LONG LIFE**



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

11w
620lm
56.4lm/W

3000K
warm-white

high frequency
sensor 360°

\varnothing 1-8 m

IP 44

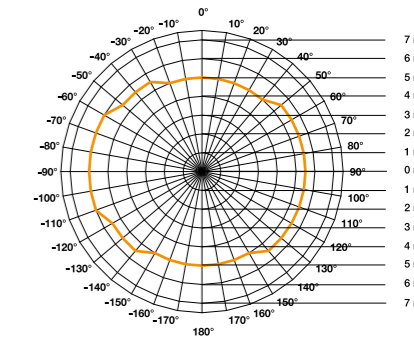
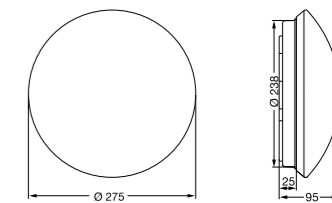
2-2000 lux

5sec-15 min

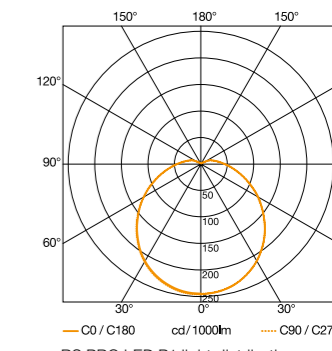
energy
saving

**5 JAHRE
GARANTIE**
functional
warranty

EAN RS PRO LED P1 4007841 010447
Dimensions (H x W x D) \varnothing 275 x 95 mm
Power supply 220-240 V, 50/60 Hz
Sensor type High frequency
Transmitter power approx. 1mW
HF system 5.8 GHz
Output 11 W
Brightness 620lm
Efficiency 56.4 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 160° angle of aperture
Detection if necessary, through glass, wood and stud walls
Reach \varnothing 1 – 8 m max., infinitely variable
Response brightness 2 - 2000 lx
Time setting 5 sec.- 15 min.
IP rating IP44
Protection class II
Material UV-resistant plastic and PMMA shade
Temperature range - 10 to +40 °C
With lamp STEINEL LED system

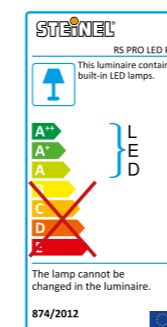


RS PRO LED P1 detection zone
Installation height 2.8 m
orange = radial walking direction



RS PRO LED P1 light distribution curve

High-Frequency
Sensor Lights
for Indoors



Including STEINEL
LED system



STEINEL IP 65. These Lights Are Up to Everything.
For the Toughest of Demands.



High-Frequency
SensorLights
for Indoors

RS
PRO
SYSTEM

LED
LONG LIFE



RS PRO **LED**
S1 IP65



RS PRO **LED**
S2 IP65

Impact-resistant	•	•
IP rating	IP65	IP65
LED system	16W	28W
Lumens	1191 lm (PC)	1632 lm (PC)
Sensor	•	•
Wireless interconnectability	•	•
Page	164	166

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 SensorLights 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 SensorLights.
STEINEL IP 65.



High-Frequency
SensorLights
for indoors

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

RS PRO LED S1 IP65

Nice and compact.
Nice and robust.

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

RS
PRO
SYSTEM

LED
LONG LIFE



LED

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

16w

max. 1191 lm



4000 K
cool-white



high frequency
sensor 360°



\varnothing 1-8m

IP65

Dust-proof
and jet water
protected



2-2000 lux



5 sec - 15 min



basic
brightness



networkable
wireless



shock proof
IK10



energy
saving

5-JAHRE
GARANTIE

functional
warranty



Dimensions (H x W x D) \varnothing 300 x 71 mm
Power supply 230 - 240 V, 50/60 Hz
Sensor type High frequency
Transmitter power approx. 1 mW
HF system 5.8 GHz (responds to the smallest of movements regardless of temperature)
Output 16 W LED (1.6 W when dimmed)
Additional switching capacity Master/master configurations and master/slave via 868 MHz wireless connection
Brightness / efficiency (without shade) 1200 lm / 75 lm/W
Colour temperature 4000 K/SDCM 3
Colour rendering Ra \geq 80
LED life expectancy 50,000 h (L70B10 to LM80)
LED cooling system Active and Passive Thermo Control
Angle of coverage 360° with 160° angle of aperture
Detection also through glass, wood and stud walls
Reach 1 - 8 m all round, infinitely variable, can be limited in 4 directions
Slave mode selectable
Max. area covered 50 m²
Response light level 2 - 2000 lx
Basic light level Dimmed to 10 %, a) all night long, b) 10 min. after expiry of the set time, c) 30 min. after expiry of the set time
Time setting 5 sec. - 15 min.
IP rating IP65
Protection class II
Impact resistance IK10
Temperature range -10 to +50 °C
Material Aluminium base and plastic shade
With lamp STEINEL LED system

EAN RS PRO LED S1 IP65 4007841 009137
Brightness / efficiency (with shade) 1191 lm / 74.4 lm/W

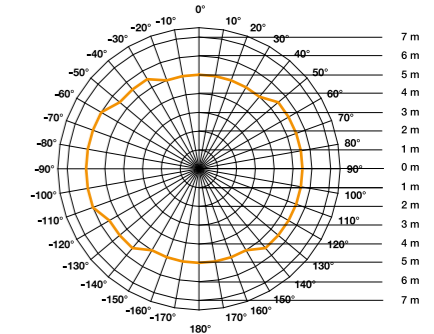
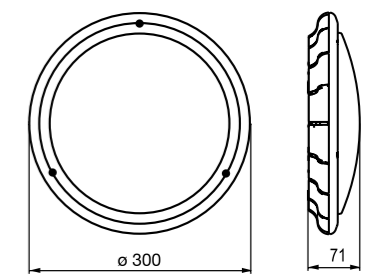
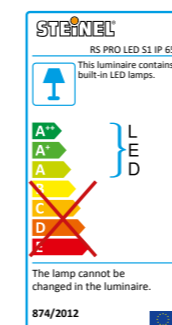
EAN RS PRO LED S1 IP65 opal 4007841 009144
Brightness / efficiency (with shade) 900lm/56.3lm/W

Accessories

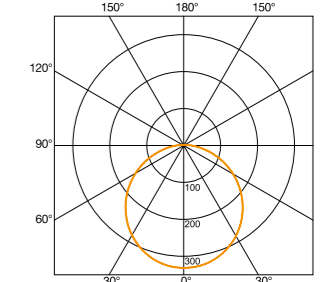
EAN designer ring AV S1 4007841 667511
Refer to the 'Accessories' section for further information.



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



S PRO LED S1 IP65 detection zone
Mounting height 2.8 m
orange = radial walking direction



Light distribution curve for RS PRO LED S1 IP65

High-Frequency
Sensor Lights
for Indoors

Including STEINEL LED system



Intelligent LED (ATC) cooling system



Optional basic light level 10 %



Wireless interconnection



Impact-resistant material rated to IK 10



High-quality aluminium



RS PRO LED S2 IP65

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

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

RS
PRO
SYSTEM

LED
LONG LIFE



LED

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

28w

max. 1632lm



4000 K
cool-white



high frequency
sensor 360°



\varnothing 1-8m

IP65

Dust-proof
and jet water
protected



2-2000 lux



5 sec-15 min



basic
brightness



networkable
wireless



shock proof
IK10



energy
saving

5-JAHRE
GARANTIE

functional
warranty



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
 Brightness / efficiency (without shade) 2000 lm / 71.4 lm/W
 Colour temperature 4000 K/SDCM 5
 Colour rendering Ra \geq 75
 LED life expectancy 50,000 h (L70B10 to LM80)
 LED cooling system Active and Passive Thermo Control
 Angle of coverage 360° with 160° angle of aperture
 Detection also through glass, wood and stud walls
 Reach 1 - 8 m all round, infinitely variable,
 can be limited in 4 directions
 Slave mode selectable
 Max. area covered 50 m²
 Response light level 2 - 2000 lx
 Basic light level Dimmed to 10 %,
 a) all night long,
 b) 10 min. after expiry of the set time,
 c) 30 min. after expiry of the set time
 Time setting 5 sec. - 15 min.
 IP rating IP65
 Protection class II
 Impact resistance IK10
 Temperature range - 10 to +50 °C
 Material Aluminium base and plastic shade
 With lamp STEINEL LED system

EAN RS PRO LED S2 IP65 4007841 662417
 Brightness / efficiency (with shade) 1632 lm / 74.4 lm/W

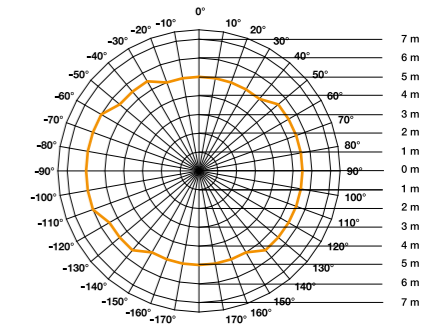
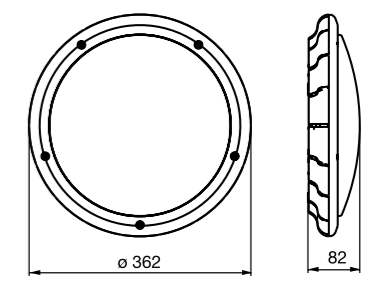
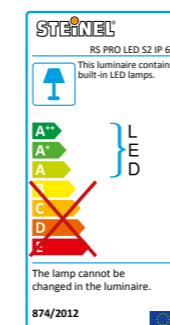
EAN RS PRO LED S2 IP 65 Opal 4007841 007836
 Brightness / efficiency (with shade) 1272 lm / 45.4 lm/W

Accessories

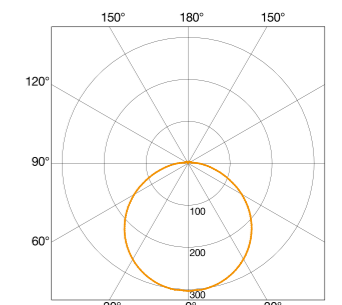
EAN designer ring AV S2 4007841 667610
 Refer to the 'Accessories' section for further information.



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



RS PRO LED S2 IP 65 detection zone
 Mounting height 2.8 m
 orange = radial walking direction



Light distribution curve for RS PRO LED S1 IP 65

High-Frequency
Sensor Lights
for Indoors

Including STEINEL
LED system



Intelligent LED
(ATC) cooling system



Optional basic
light level 10 %



Wireless
interconnection



Impact-resistant
material rated to IK 10



High-quality
aluminium



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

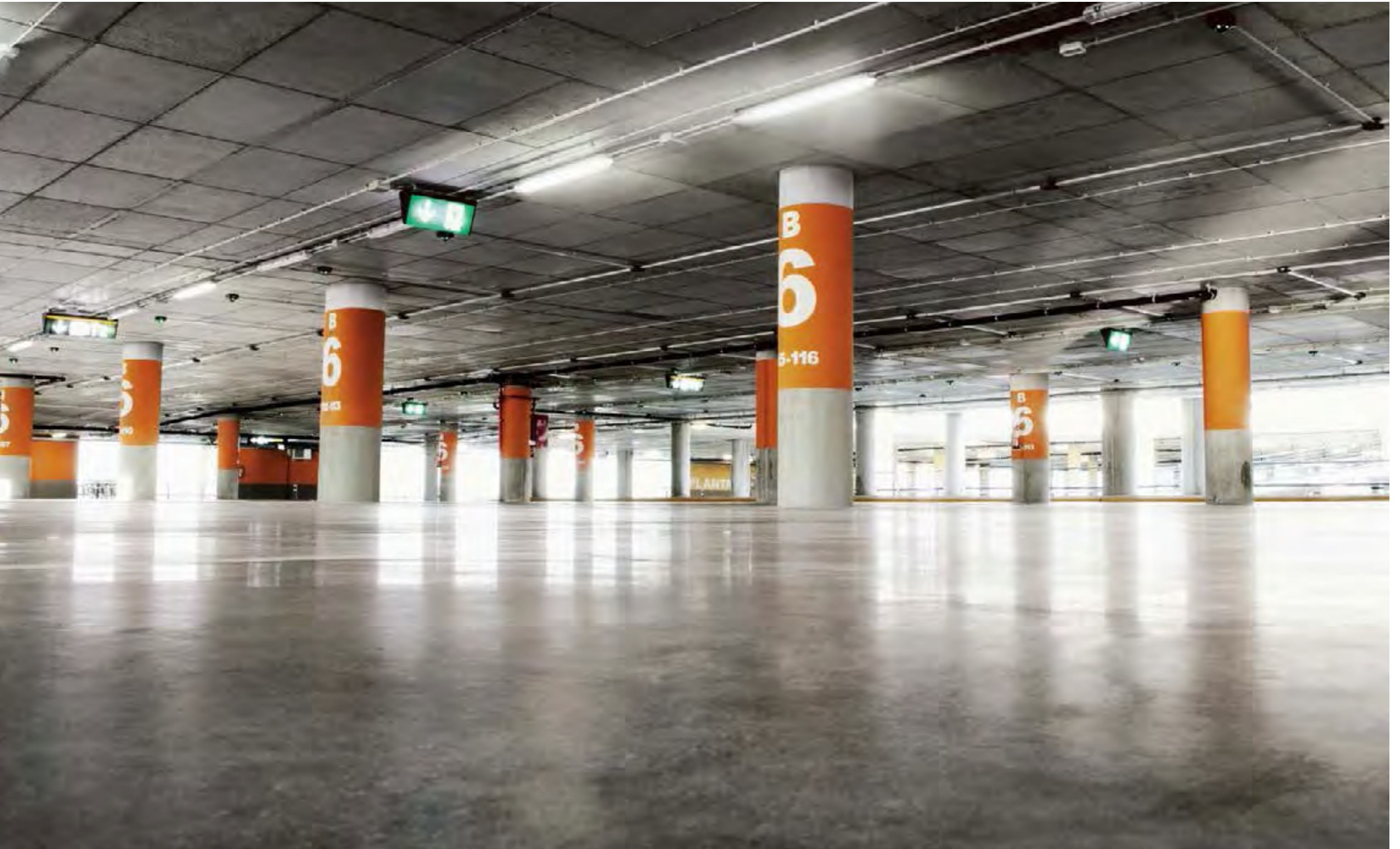


RS PRO 5800 LED

Defies the elements.

For intelligent lighting control in damp spaces.

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



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

RS PRO 5800 LED

Dynamic lighting intelligence. And waterproof too.

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

RS PRO SYSTEM

LED LONG LIFE



LED

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

33w

max. 4065lm
123lm/W



4000 K
cool-white



high frequency
sensor 360°



\varnothing 2-8m



max. 3.5m

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 YEAR
GARANTIE

functional
warranty



EAN RS PRO 5800 LED	4007841 007652
EAN RS PRO 5800 LED Slave	4007841 007669
Dimensions (H x W x D)	105 x 1278 x 105 mm
Power supply	220-240 V, 50/60 Hz
Sensor type*	High-frequency
Transmitter power*	approx. 1mW
HF system*	5.8GHz
Output (lights)	33W
Brightness	4065lm
Efficiency	123lm/W
Colour temperature	4000 K/SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage*	360°
Reach*	2 - 8 m all-round
Response light level*	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, IK 07
Temperature range	-20 to +30 °C
With lamp	STEINEL LED system

*For sensor-controlled version only

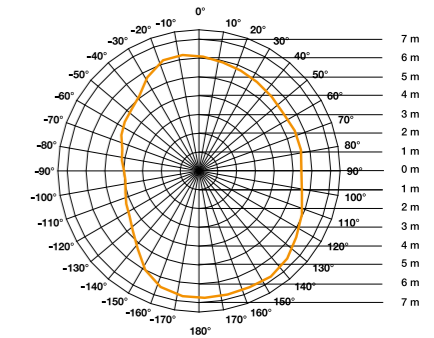
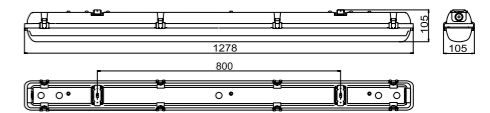
Accessories

EAN remote control RC104007841 008925

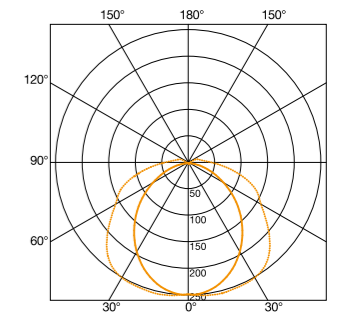
Refer to the 'Accessories' section for further information.



Slave version without sensor

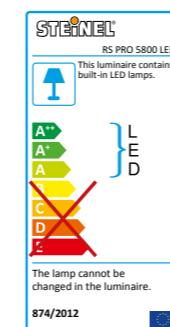


RS PRO 5800 LED detection zone
Installation height 2.5 m
orange = radial walking direction



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

High-Frequency
Sensor Lights
for Indoors



Including STEINEL
LED system



Can only be set by
RC10 remote control



Interconnectable
by DALI, max. of
15 slaves/master



Impact-resistant
material rated
to IK 07



Intelligent swarm
function



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
cool-white



high frequency
sensor 360°



\varnothing 2-8m



max. 3.5m

IP66

Dust-proof
and jet water
protected



basic
brightness



networkable
via cable



shock proof
IK07



soft light
start

TEACH

mode



energy
saving

5 JAHRE GARANTIE

functional
warranty



EAN RS PRO 5850 LED	4007841 007676
EAN RS PRO 5850 LED Slave	4007841 007683
Dimensions (H x W x D)	105 x 1583 x 105 mm
Power supply	220-240 V, 50/60 Hz
Sensor type*	High-frequency
Transmitter power*	approx. 1mW
HF system*	5.8GHz
Output (lights)	45 W
Brightness	5570lm
Efficiency	124lm/W
Colour temperature	4000 K/SDCM 3
Colour rendering	Ra \geq 80
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Angle of coverage	360°
Reach*	2 - 8 m all-round
Response light level*	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, IK 07
Temperature range	-20 to +30 °C
With lamp	STEINEL LED system

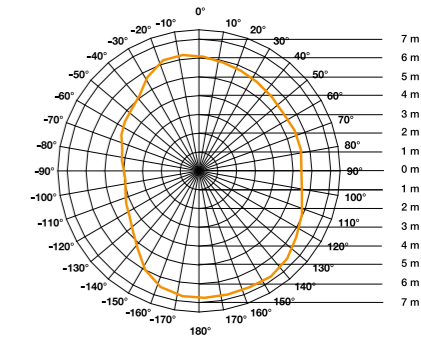
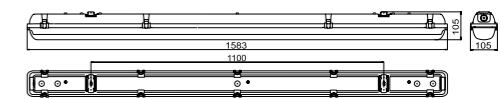
Accessories

EAN remote control RC104007841 008925

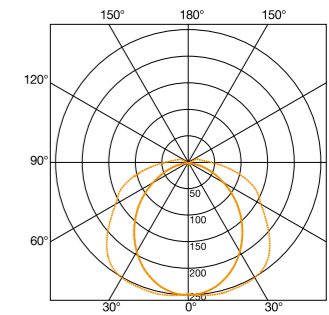
Refer to the 'Accessories' section for further information.



Slave version without sensor

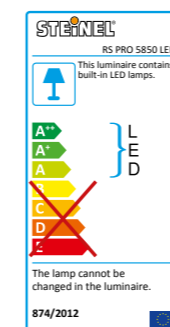


RS PRO 5850 LED detection zone
Installation height 2.5 m
orange = radial walking direction



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

High-Frequency
Sensor Lights
for Indoors



Including STEINEL LED system



Can only be set by RC10 remote control



Interconnectable by DALI, max. of 15 slaves/master



Impact-resistant material rated to IK 07



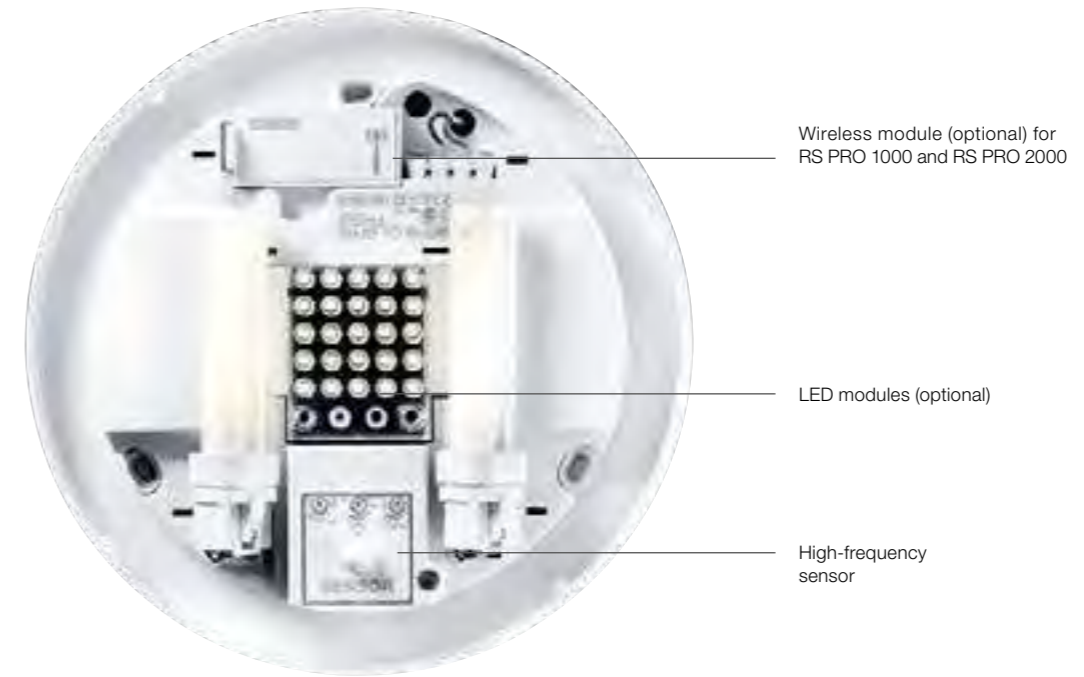
Intelligent swarm function



High-Frequency Indoor SensorLights - TC-DEL Fluorescent Lamps



RS PRO 500



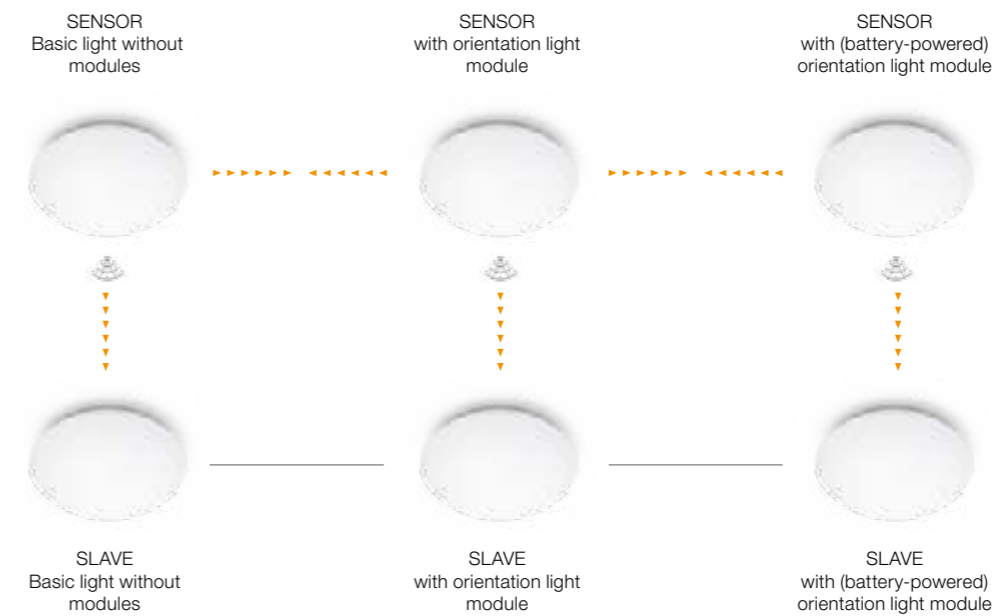
High-Frequency SensorLights for Indoors

Although the models from the RS PRO series are suitable for different wattages, they all operate in the same way. The high-frequency sensor system and chip-controlled electronic ballasts are designed to switch light ON straight away whenever it's needed. It is also possible to create lighting systems. Interconnect them by cable - this can also be done with the slave options from RS PRO series without sensor.

The optional wireless module can also be used for interconnecting RS PRO 1000 and 2000 by bidirectional wireless link. To do this, wireless modules are plugged directly into the lights. No fewer than 32 addresses are available for creating complex interconnected groups as well.



	RS PRO 2000	RS PRO 1000	RS PRO 500	RS 50	RS PRO 2000 IP 65	RS PRO 1000 IP 65	RS PRO 500 IP 65
Impact-resistant	•	•	•	•	•	•	•
Glass shade	•	•	•				
IP rating	IP 44	IP 44	IP 44	IP 44	IP 65	IP 65	IP 65
Lamp	2 x 26 W TC-DEL G 24-Q3	2 x 18 W TC-DEL G 24-Q2	2 x 13 W TC-DEL G 24-Q1	1 x 13 W TC-DEL G 24-Q1	2 x 26 W TC-DEL G 24-Q3	2 x 18 W TC-DEL G 24-Q2	2 x 13 W TC-DEL G 24-Q1
Sensor	•	•	•	•	•	•	•
Slave	•	•	•		•	•	•
Designer rings	optional	optional	optional	optional	included	included	included
Mounting adapter	optional	optional	optional		optional	optional	optional
MLED1 module	optional	optional	optional		optional	optional	optional
Battery-powered MLED1 module	optional	optional	optional		optional	optional	optional
Emergency light module	optional	optional	optional		optional	optional	optional
Wireless interconnectability	optional	optional			optional	optional	
Page	178	180	184	188	190	192	194



▶▶▶ Direction of communication from sensor to sensor or to slave
 — Wired interconnectability (5 x RS PRO 500 max.)

RS PRO 2000

Purist lighting genius. Born networker.

RS PRO 2000 is top of the RS PRO class. Fitted with 2 electronic ballasts and rated for 2 powerful 26-watt low-energy lamps, the RS PRO 2000 delivers light in excess to illuminate homes and public buildings in purist style. The shade's available in glass or impact-resistant plastic. On top of this is added intelligence that opens up even more potential on the inter-connected front: the optional wireless module with no fewer than 32 channels provides the key to creating complex interconnected groups with any number of RS PRO 2000 luminaires. Wireless and cable links can also be combined. Needless to say, RS PRO 2000 is also available as slave version without sensor.

RS
PRO
SYSTEM



2x26W
TC-DEL G24-Q3



high frequency
sensor 360°



Ø 1-8m



2-2000 lux



1 min-20 min

TEACH
mode



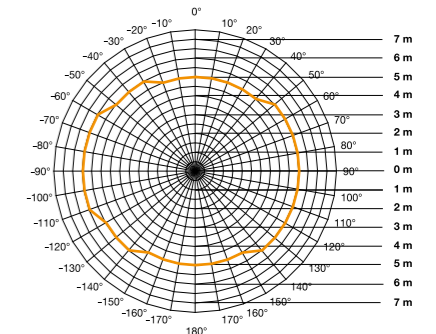
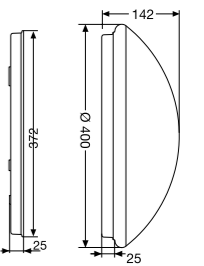
energy
saving

5 JAHRE
GARANTIE

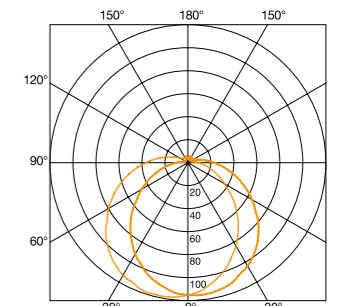
functional
warranty

EAN RS PRO 2000, plastic	4007841 734916
EAN RS PRO 2000, glass	4007841 738716
EAN RS PRO 2000 Slave, plastic	4007841 735418
EAN RS PRO 2000 Slave, glass	4007841 733919
Dimensions (H x W x D)	400 x 400 x 142 mm
Power supply	230 - 240 V, 50 Hz
Sensor type*	High-frequency
Transmitter power*	approx. 1mW
HF-system*	5.8 GHz (responds to the smallest of movements regardless of temperature)
Output	2 x 26 W / TC-DEL G 24-Q3 (2 electronic ballasts)
Max. additional switching capacity	2 further lights
Angle of coverage*	360° with 160° angle of aperture
Detection*	also through glass, wood and stud walls
Reach*	1 - 8 m all round, infinitely variable, can be limited in 4 directions
Max. area covered*	50 m ²
Response brightness*	10 - 2000 lux + teach-in mode 2 - 2000 lux
Time setting*	1 min. - 20 min. + install mode
IP rating	.IP44
Protection class	.II
Impact resistance (plastic)	.IK07
Temperature range	-10 - +50 °C
Material	Aluminium base
Complete with lamp	.No

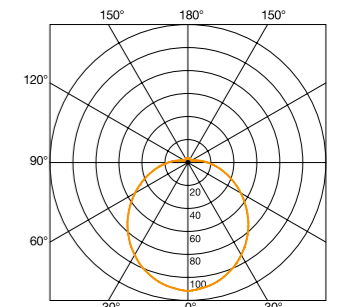
*For sensor-controlled version only



RS PRO 2000 detection zone
Mounting height 2.8 m
orange = radial walking direction



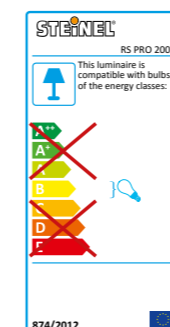
Light distribution curve for RS PRO 2000 1x26W



Light distribution curve for RS PRO 2000 2x26W



Slave version
without sensor



Interconnectable by
cable or optionally
by wireless signal



Impact-resistant
material rated to IK 07



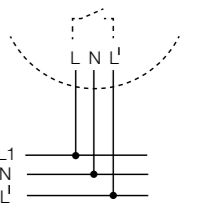
Long-life aluminium
enclosure



For optional LED,
emergency-light,
wireless module,
refer to page 302



Optional designer
rings in white/silver



High-Frequency
Sensor Lights
for Indoors

RS PRO 1000

Ideal stats.

Ideal light.

The RS PRO 1000 comes with 2 electronic ballasts and takes 2 x 18-watt low-energy lamps. Measuring just 320 mm across, it's more compact than the RS 2000, making it ideal for illuminating corridors and stairwells in residential buildings. The optional wireless module with no fewer than 32 channels provides the key to creating complex interconnected groups with any number of RS PRO 1000 luminaires. Wireless and cable links can also be combined. Needless to say, RS PRO 1000 and RS PRO 2000 are also available as slave versions without sensor.

RS
PRO
SYSTEM



2x18w
TC-DEL G24-Q2



high frequency
sensor 360°



Ø 1-8m



2-2000 lux



1 min-20min

TEACH
mode



energy
saving

5 JAHRE
GARANTIE

functional
warranty

EAN RS PRO 1000, plastic	4007841 736514
EAN RS PRO 1000, glass	4007841 736811
EAN RS PRO 1000 Slave, plastic	4007841 736613
EAN RS PRO 1000 Slave, glass	4007841 736910
Dimensions (H x W x D)	320 x 320 x 110 mm
Power supply	230 - 240 V, 50 Hz
Sensor type*	High-frequency
Transmitter power*	approx. 1mW
HF-system*	5.8 GHz (responds to the smallest of movements regardless of temperature)
Output	2 x 18 W / TC-DEL G 24-Q2 (2 electronic ballasts)
Max. additional switching capacity	2 further lights
Angle of coverage*	360° with 160° angle of aperture
Detection*	also through glass, wood and stud walls
Reach*	1 - 8 m, infinitely variable all round, can be limited in 4 directions
Max. area covered*	50 m ²
Response brightness*	10 - 2000 lux + teach-in mode 2 - 2000 lux
Time setting*	1 min. - 20 min. + install mode
IP rating	.IP44
Protection class	.II
Impact resistance (plastic)	.IK07
Temperature range	-10 - +50 °C
Material	Aluminium base
Complete with lamp	.No

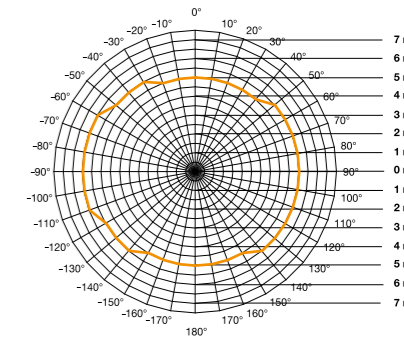
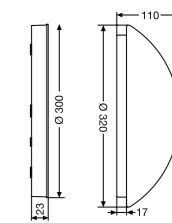
Accessories

EAN orientation light module MLED1 with 25 LEDs	4007841 732813
EAN orientation light module (battery-powered) MLED 1A	4007841 732912
EAN emergency light module with 3 LEDs	4007841 002626
EAN wireless module MF 1	4007841 736712
EAN designer ring, white	4007841 000301
EAN designer ring, silver	4007841 000318

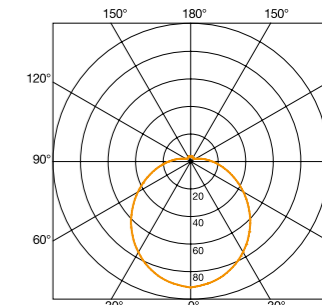
Refer to 'Accessories' for further information.



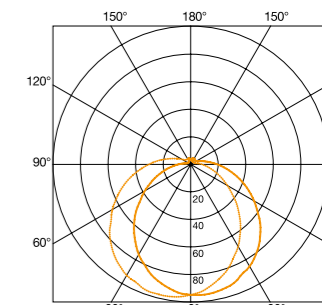
Slave version
without sensor



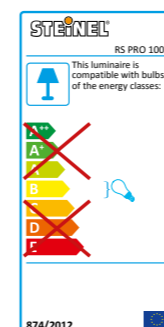
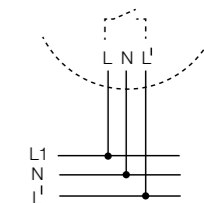
RS PRO 1000 detection zone
Mounting height 2.8 m
orange = radial walking direction



Light distribution curve for RS PRO 1000 1 x 18W



Light distribution curve for RS PRO 1000 2 x 18W



Interconnectable by
cable or optionally
by wireless signal



Impact-resistant
material rated to IK 07



Long-life
aluminium enclosure



Optional LED,
emergency-light,
wireless module
refer to page 302



Optional designer
rings in white/silver





High-Frequency
SensorLights
for Indoors

RS PRO high-frequency SensorLights from STEINEL automate building management, making it particularly efficient.

RS PRO 500

**Small but wow.
And smart with it too.**

The compact-size RS PRO 500's been kept discreetly understated on purpose. Leaving it with a diameter that's just large enough to take and protect 2 x 13-watt low-energy lamps, chip-controlled electronic ballast and high-frequency sensor behind a plastic or opal-glass shade. The luminaire can be upgraded with an LED orientation light and an LED emergency-light module. Wired interconnection. Talking of interconnection: RS PRO 500 also comes in a slave version without sensor.

RS
PRO
SYSTEM



2x13w
TC-DEL G24-Q1



high frequency
sensor 360°



Ø 1-8m



2-2000 lux



1 min-20 min

TEACH
mode



energy
saving

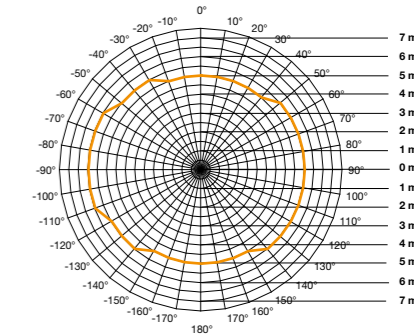
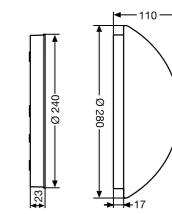
5 JAHRE
GARANTIE
functional
warranty

EAN RS PRO 500, plastic	4007841 732615
EAN RS PRO 500, glass	4007841 000240
EAN RS PRO 500 Slave, plastic	4007841 732714
EAN RS PRO 500 Slave, glass	4007841 000257
Dimensions (H x W x D)	280 x 280 x 110 mm
Power supply	230 - 240 V, 50 Hz
Sensor type*	High-frequency
Transmitter power*	approx. 1mW
HF-system*	5.8 GHz (responds to the smallest of movements regardless of temperature)
Output	2 x 13 W / TC-DEL G 24-Q1 (1 x electronic ballasts)
Max. additional switching capacity	4 further lights
Angle of coverage*	360° with 160° angle of aperture
Detection*	also through glass, wood and stud walls
Reach*	1 - 8 m all round, infinitely variable, can be limited in 4 directions
Max. area covered*	50 m ²
Response brightness*	10 - 2000 lux + teach-in mode 2 - 2000 lux
Time setting*	1 min. - 20 min. + install mode
IP rating	.IP44
Protection class	. II
Impact resistance (plastic)	.IK07
Temperature range	-10 - +50 °C
Material	Aluminium base
Complete with lamp	.No

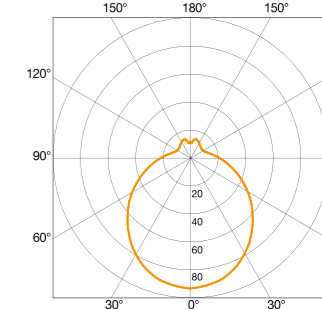
Accessories

EAN orientation light module MLED1 with 25 LEDs	4007841 732813
EAN orientation light module (battery-powered) MLED 1A	4007841 732912
EAN emergency light module with 3 LEDs	4007841 002626
EAN designer ring, white	4007841 000288
EAN designer ring, silver	4007841 000295

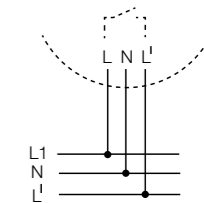
Refer to 'Accessories' for further information.



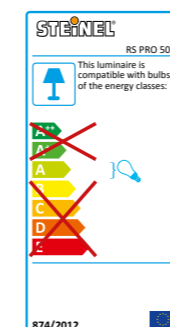
RS PRO 500 detection zone
Mounting height 2.8 m
orange = radial walking direction



— C0 / C180 cd/1000lm — C90 / C270
Light distribution curve for RS PRO 500



Slave version
without sensor



Interconnectable
by cable



Impact-resistant
material rated to IK 07



Long-life
aluminium enclosure



Optional LED
emergency
light module
refer to page 302



Optional designer
rings in white/silver



High-Frequency
Sensor Lights
for Indoors



Ideal as single light. The RS 50.

RS 50

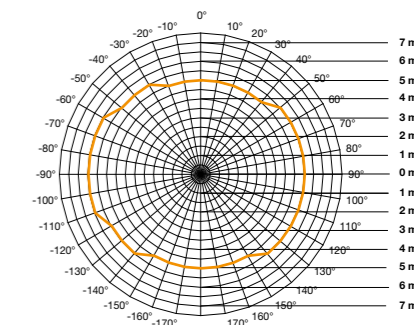
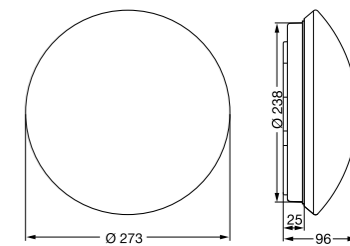
Compact pro through and through. For minor lighting tasks.

Smart gateway to the professional lighting league: modest design, white shade in impact-resistant plastic and large, easy-fit base make the RS 50 a favourite with everyone. A universal yet professional lighting solution for the smaller-type space in commercial properties, administration centres, school buildings, hotels, hospitals, retirement homes, office complexes etc.

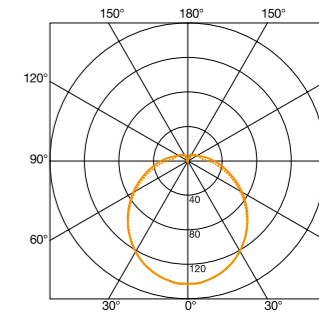


- 13w**
TC-DEL G24-Q1
- high frequency sensor 360°
- Ø 1-8m
- 2-2000 lux
- 1 min-15 min
- energy saving
- 5 JAHRE GARANTIE
functional warranty

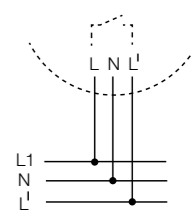
EAN RS 50 4007841 732516
 Dimensions (H x W x D) 273 x 273 x 96 mm
 Power supply 230 - 240 V, 50 Hz
 Sensor type High-frequency
 Transmitter power approx. 1mW
 HF-system 5.8 GHz (responds to the smallest of movements regardless of temperature)
 Output 1 x 13 W / TC-DEL G 24-Q1
 Additional switching capacity at L': (resistive load, e.g. bathroom / WC extractor fan) 100 W max. / 4 RS 50 max.
 Angle of coverage 360° with 160° angle of aperture
 Detection also through glass, wood and stud walls
 Reach 1 - 8 m all round, infinitely variable, can be limited in 4 directions
 Max. area covered 50 m²
 Response light level 2 - 2000 lx
 Time setting 1 min. - 15 min.
 IP rating IP44
 Protection class II
 Impact resistance IK07
 Temperature range -10 - +50 °C
 Material Aluminium base and plastic shade
 Complete with lamp No



RS 50 detection zone
 Mounting height 2.8 m
 orange = radial walking direction



Light distribution curve for RS 50



Accessories

EAN designer ring, white 4007841 000288
 EAN designer ring, silver 4007841 000295
 Refer to 'Accessories' for further information.



Interconnectable by cable



Impact-resistant material rated to IK 07



Long-life aluminium enclosure



Optional designer rings in white/silver



High-Frequency Sensor Lights for Indoors

RS PRO 2000 IP 65

Rugged all round.

Interconnectable all round as well.

Because intelligent lighting is indispensable in rugged environments too: the RS PRO 2000 in the particularly robust IP 65 version. With dust-tight, jet-proof, screw-mounted surround and impact-resistant to IK 10. Tough exterior, smart interior: shares the same technology as the RS PRO 2000. And accessories too: LED orientation light module, LED emergency-light module and wireless module, as well as the modes of interconnection. The RS PRO 2000 IP 65 is also available as a slave version without sensor.

RS
PRO
SYSTEM



2x26W
TC-DEL G24-Q3



high frequency sensor 360°



Ø 1-8m

IP65

Dust-proof and jet water protected



2-2000 lux



1 min-20 min

TEACH
mode



shock proof IK10



energy saving

5 JAHRE GARANTIE

functional warranty

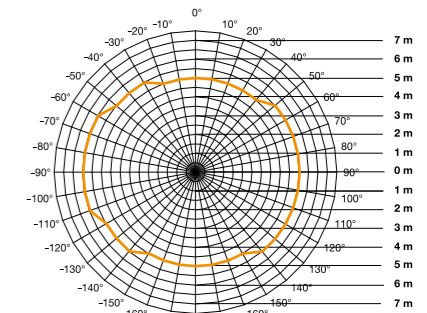
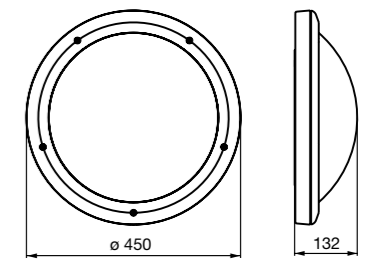
EAN RS PRO 2000 IP65	4007841 663117
EAN RS PRO 2000 IP65 Slave	4007841 663216
Dimensions (H x W x D)	Ø 450 x 132 mm
Power supply	230 - 240 V, 50 Hz
Sensor type*	High-frequency
Transmitter power*	approx. 1mW
HF-system*	5.8 GHz (responds to the smallest of movements regardless of temperature)
Output	2 x 26 W / TC-DEL G 24-Q3 (2 electronic ballasts)
Max. additional switching capacity	2 further lights
Angle of coverage*	360° with 160° angle of aperture
Detection*	also through glass, wood and stud walls
Reach*	1 - 8 m all round, infinitely variable
	can be limited in 4 directions
Max. area covered*	50 m ²
Response brightness*	10 - 2000 lux + teach-in mode 2 - 2000 lux
Time setting*	1 min. - 20 min. + install mode
IP rating	IP65
Protection class	II
Impact resistance	IK10
Temperature range	-10 - +50 °C
Material	Aluminium base and plastic shade
Complete with lamp	No

Accessories

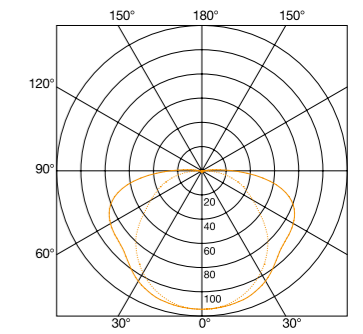
EAN mounting adapter for recessed boxes, hole spacing . . .4007841 738662
 EAN orientation light module MLED1 with 25 LEDs.4007841 732813
 EAN orientation light module (battery-powered) MLED 1A . . . 4007841 732912
 EAN emergency light module with 3 LEDs4007841 002626
 Refer to 'Accessories' for further information.



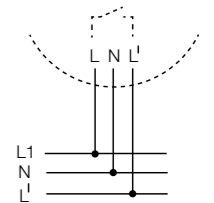
Slave version without sensor



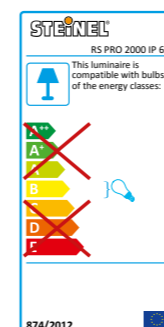
RS PRO 2000 IP65 detection zone
Mounting height 2.8 m
orange = radial walking direction



Light distribution curve for RS PRO 2000 IP 65



High-Frequency
Sensor Lights
for Indoors



Interconnectable by cable



Optional wireless interconnectability



Impact-resistant material rated to IK 10



Screw-mounted surround



Optional LED, emergency-light, wireless module refer to page 302



RS PRO 1000 IP 65

**Incredibly strong.
Incredibly versatile.**

Whether dirt, dust, a splash or jets of water, the RS PRO 1000 IP 65 lets none of them in. And with its screw-mounted surround and IK 10 rating can also take a knock or two. The high-frequency sensor system and lighting technology are identical with the ones used in the RS PRO 1000: LED orientation light module, LED emergency-light module and wireless module as well as the modes of interconnection make the RS PRO 1000 IP 65 a versatile all-rounder. RS PRO 1000 IP 65 is also available as a slave version without sensor.

RS
PRO
SYSTEM



2x18w
TC-DEL G24-Q2



high frequency sensor 360°



Ø 1-8m

IP65

Dust-proof and jet water protected



2-2000 lux



1 min-20 min

TEACH
mode



shock proof IK10

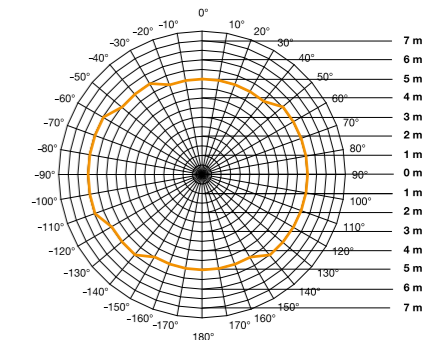
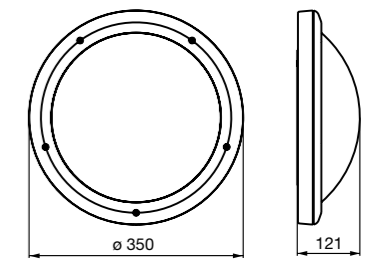


energy saving

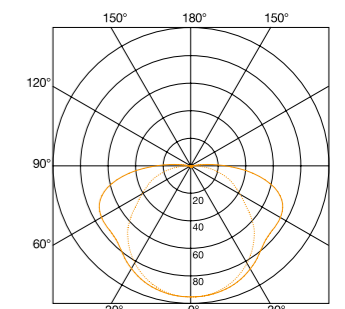
5 JAHRE GARANTIE

functional warranty

EAN RS PRO 1000 IP654007841 662912
 EAN RS PRO 1000 IP65 Slave.....4007841 663018
 Dimensions (H x W x D) Ø 350 x 121 mm
 Power supply 230 - 240 V, 50 Hz
 Sensor type* High-frequency
 Transmitter power* approx. 1mW
 HF-system* 5.8 GHz (responds to the smallest of movements
 regardless of temperature)
 Output 2 x 18 W / TC-DEL G 24-Q2 (2 electronic ballasts)
 Max. additional switching capacity 2 further lights
 Angle of coverage* 360° with 160° angle of aperture
 Detection* also through glass, wood and stud walls
 Reach* 1 - 8 m all round, infinitely variable
 can be limited in 4 directions
 Max. area covered* 50 m²
 Response brightness* 10 - 2000 lux + teach-in mode 2 - 2000 lux
 Time setting* 1 min. - 20 min. + install mode
 IP rating IP65
 Protection class II
 Impact resistance IK10
 Temperature range -10 - +50 °C
 Material Aluminium base and plastic shade
 Complete with lamp No
 *For sensor-controlled version only



RS PRO 1000 IP 65 detection zone
 Mounting height 2.8 m
 orange = radial walking direction



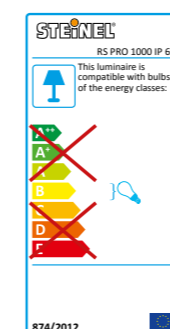
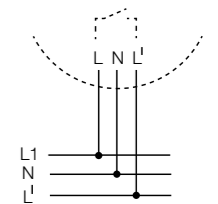
Light distribution curve for RS PRO 1000 IP 65

Accessories

EAN mounting adapter for recessed boxes, hole spacing. .4007841 738662
 EAN orientation light module MLED1 with 25 LEDs.4007841 732813
 EAN orientation light module (battery-powered) MLED 1A. .4007841 732912
 EAN emergency light module with 3 LEDs4007841 002626
 Refer to 'Accessories' for further information.



Slave version without sensor



Interconnectable by cable



Optional wireless interconnectability



Impact-resistant material rated to IK 10



Screw-mounted surround



Optional LED, emergency-light, wireless module refer to page 302



RS PRO 500 IP 65

**Nice and tough.
Pretty smart.**

With a diameter of 300 mm, no other member of the RS PRO IP 65 family is more compact. Apart from that, it shines with similar sensor and lighting technology. It comes with the same options too: LED orientation light module, LED emergency-light module as well as the same clever modes of interconnection. RS PRO 500 IP 65 is also available as a slave version without sensor.

RS
PRO
SYSTEM



2x13w
TC-DEL G24-Q1



high frequency sensor 360°



Ø 1-8m

IP65

Dust-proof and jet water protected



2-2000 lux



1 min-20min



shock proof IK10

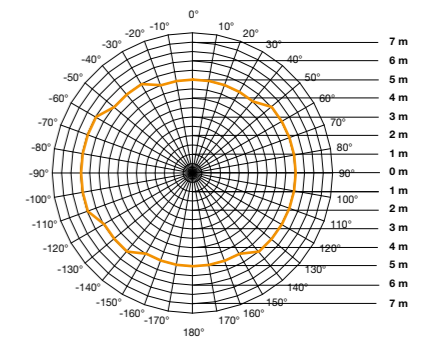
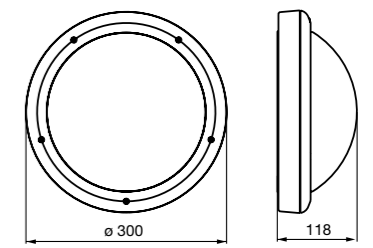


energy saving

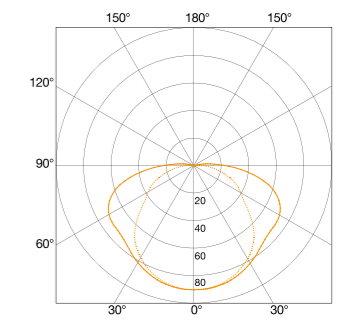
5 JAHRE GARANTIE

functional warranty

EAN RS PRO 500 IP654007841 662714
 EAN RS PRO 500 IP65 Slave4007841 662813
 Dimensions (H x W x D) Ø 300 x 118 mm
 Power supply 230 - 240 V, 50 Hz
 Sensor type* High-frequency
 Transmitter power* approx. 1mW
 HF-system* 5.8 GHz (responds to the smallest of movements regardless of temperature)
 Output 2 x 13 W / TC-DEL G 24-Q1 (1 electronic ballast)
 Max. additional switching capacity 4 further lights
 Angle of coverage* 360° with 160° angle of aperture
 Detection* also through glass, wood and stud walls
 Reach* 1 - 8 m all round, infinitely variable can be limited in 4 directions
 Max. area covered* 50 m²
 Response brightness* 10 - 2000 lux + teach-in mode 2 - 2000 lux
 Time setting* 1 min. - 20 min. + install mode
 IP rating IP65
 Protection class II
 Impact resistance IK10
 Temperature range -10 - +50 °C
 Material Aluminium base and plastic shade
 Complete with lamp No
 *For sensor-controlled version only



RS PRO 500 IP65 detection zone
 Mounting height 2.8 m
 orange = radial walking direction



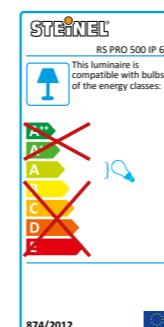
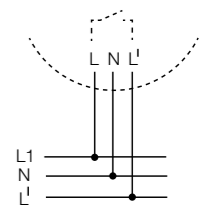
Light distribution curve for RS PRO 500 IP 65

Accessories

EAN mounting adapter for recessed boxes, hole spacing. .4007841 738662
 EAN orientation light module MLED1 with 25 LEDs.4007841 732813
 EAN orientation light module (battery-powered) MLED 1A. . .4007841 732912
 EAN emergency light module with 3 LEDs4007841 002626
 Refer to 'Accessories' for further information.



Slave version without sensor



Interconnectable by cable



Impact-resistant material rated to IK 10



Screw-mounted surround



Optional LED emergency light module refer to page 302





RS 10L



RS 10-4L



RS 14L



RS 15L

Impact-resistant			•	
Glass shade	•	•		•
IP rating	IP44	IP44	IP44	IP44
Output	75W/E27 max.	75W/E27 max.	60W/E27 max.	60W/E27 max.
Sensor	•	•	•	•
Page	198	200	204	206

**Pioneering technology in timeless design.
High-frequency indoor SensorLights with E27 socket.**

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

RS 10 L

The classic light.

With technology in a class of its own.

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



max. 75W

E27



high frequency sensor 360°



Ø 1-8m



2-2000 lux



5 sec-15 min



IP 44

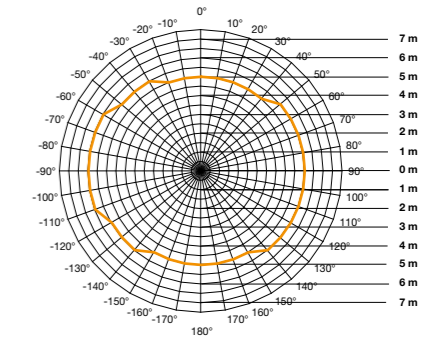
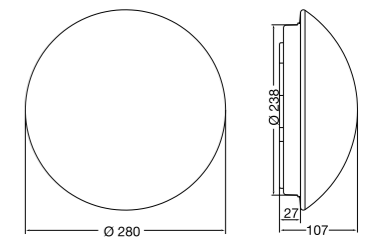


energy saving

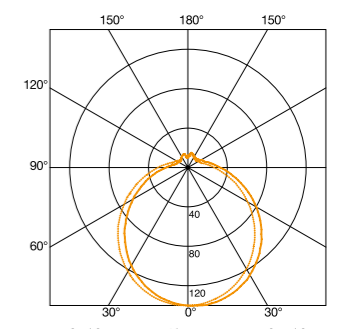


functional warranty

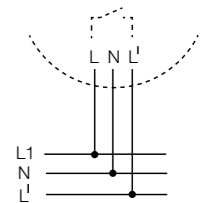
EAN RS 10 L	4007841 730512
Dimensions (H x W x D)	Ø 280 x 110 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	High-frequency
Transmitter power	approx. 1mW
HF-system	5.8 GHz (responds to the smallest of movements regardless of temperature)
Output	max. 75 W / E27
Additional switching capacity at L': (resistive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



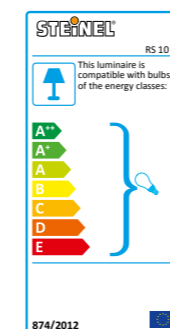
RS 10 L detection zone
Mounting height 2.8 m
orange = radial walking direction



Light distribution curve for RS 10L



Suitable for incandescent lamps, low-energy lamps and LEDs



Long-life aluminium enclosure



Opal glass shade



max. of 5 lights can be interconnected by cable



Facility for connecting extractor fan



High-Frequency Sensor Lights for Indoors

RS 10-4 L

Adds subtle statements.

On walls and ceilings.

The RS 10-4 L indoor SensorLight combines good, honest design with a decorative extra: the hand-blown glass shade is encircled by a designer-style plastic band that's available either in white or with a stylish stainless-steel coating. This gives the light a visual upgrade and you the perfect way to make stylish statements indoors.



max. 75W

E27



high frequency sensor 360°



Ø 1-8m



2-2000 lux



5 sec-15 min



IP 44



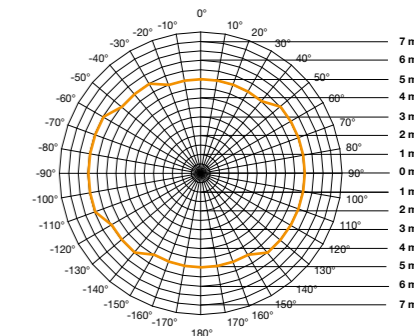
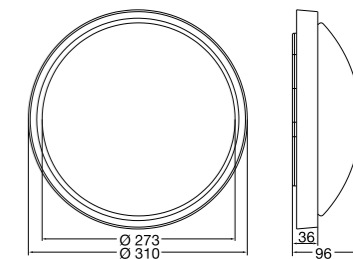
energy saving



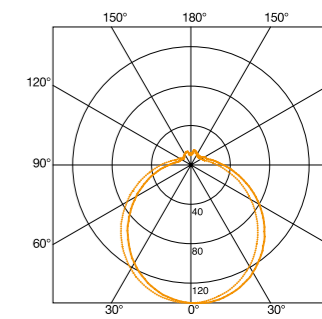
functional warranty

EAN RS 10-4 L white 4007841 731519
 Dimensions (H x W x D) Ø 310 x 110 mm
 Power supply 230 - 240 V, 50 Hz
 Sensor type High-frequency
 Transmitter power approx. 1mW
 HF-system 5.8 GHz (responds to the smallest of movements regardless of temperature)
 Output max. 75 W / E27
 Additional switching capacity at L':
 (resistive load, e.g. bathroom / WC extractor fan) 800 VA max.
 Angle of coverage 360° with 160° angle of aperture
 Detection also through glass, wood and stud walls
 Reach 1 - 8 m all round, infinitely variable, can be limited in 4 directions
 Max. area covered 50 m²
 Response light level 2 - 2000 lx
 Time setting 5 sec. - 15 min.
 IP rating IP44
 Protection class II
 Temperature range -20 - +40 °C
 Material Aluminium base and opal glass shade
 Complete with lamp No

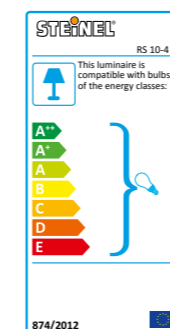
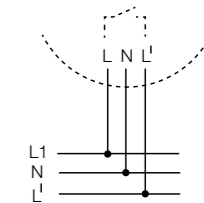
Suitable for incandescent lamps, low-energy lamps and LEDs



RS10-4 L detection zone
 Mounting height 2.8 m
 orange = radial walking direction



Light distribution curve for RS 10-4 L
 — C0 / C180 cd/1000lm — C90 / C270



Long-life aluminium enclosure



Opal glass shade



max. of 5 lights can be interconnected by cable



Facility for connecting extractor fan





RS 10-4L

RS 14 L

**Classically understated.
Unbeatably tough.**

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

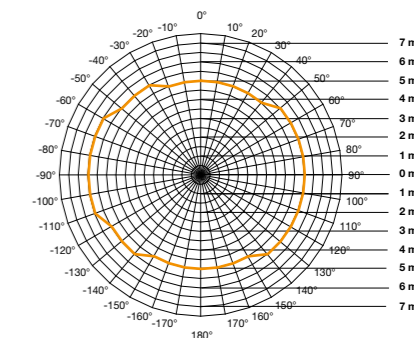
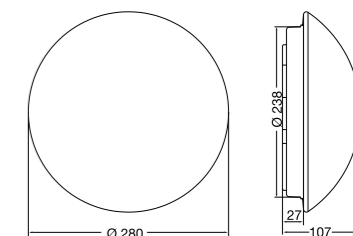


- max. 60W
- E27
- high frequency sensor 360°
- Ø 1-8m
- 2-2000 lux
- 5 sec - 15 min
- IP 44
- shock proof IK07
- energy saving
- 5 JAHRE GARANTIE functional warranty

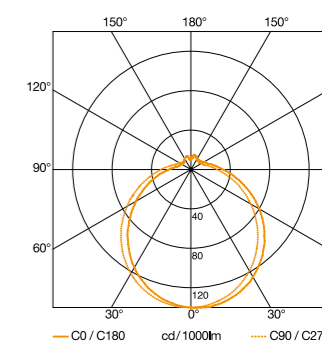


EAN RS 14 L 4007841 731113
 Dimensions (H x W x D) Ø 280 x 110 mm
 Power supply 230 - 240 V, 50 Hz
 Sensor type High-frequency
 Transmitter power approx. 1mW
 HF-system 5.8 GHz (responds to the smallest of movements
 regardless of temperature)
 Output max. 60 W / E27
 Additional switching capacity at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

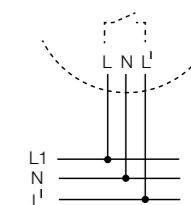
Suitable for incandescent lamps, low-energy lamps and LEDs



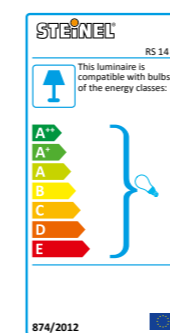
RS 14 L detection zone
 Mounting height 2.8 m
 orange = radial walking direction



Light distribution curve for RS 14 L



High-Frequency
Sensor Lights
for Indoors



Long-life aluminium enclosure



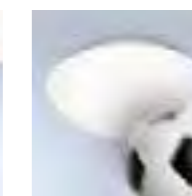
Opal glass shade



max. of 5 lights can be interconnected by cable



Impact-resistant material rated to IK 07



Facility for connecting extractor fan



RS 15 L

**Most reasonable priced.
But nothing skimped on.**

Tight budgets are no reason for second-class solutions. The RS 15 L indoor light offers unbeatable value for money. The shade in hand-blown opal glass exudes style and quality while concealing the high-frequency sensor that can't be seen from the outside. This way you can create a 'wow' factor even on limited funds.



max. 60W

E27



high frequency sensor 360°



Ø 3-8m



2-2000 lux



5 sec - 15 min



IP 44

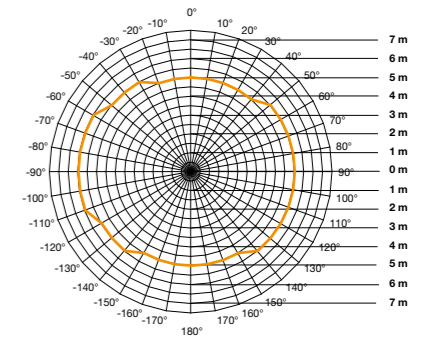
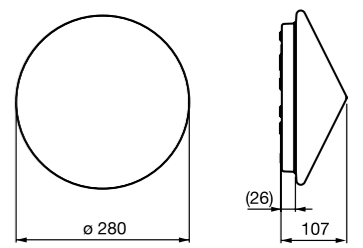


energy saving

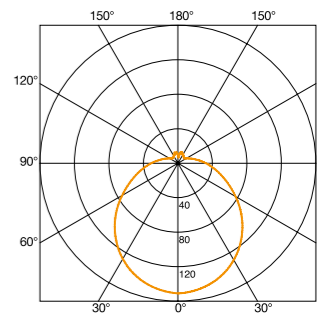
5-JAHRE GARANTIE

functional warranty

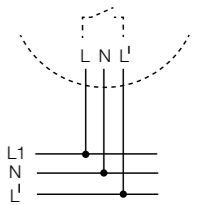
EAN RS 15 L 4007841 731212
 Dimensions (H x W x D) Ø 280 x 110 mm
 Power supply 230 - 240 V, 50 Hz
 Sensor type High-frequency
 Transmitter power approx. 1mW
 HF-system 5.8 GHz (responds to the smallest of movements
 regardless of temperature)
 Output max. 60 W / E27
 Additional switching capacity at L':
 (resistive load, e.g. bathroom / WC extractor fan) 100 VA max.
 Angle of coverage 360° with 160° angle of aperture
 Detection also through glass, wood and stud walls
 Reach 3 - 8 m all round, infinitely variable
 Max. area covered 50 m²
 Response light level 2 - 2000 lx
 Time setting 5 sec. - 15 min.
 IP rating IP44
 Protection class II
 Temperature range -20 - +40 °C
 Material Aluminium base and opal glass shade
 Complete with lamp No



RS 15 L detection zone
 Mounting height 2.8 m
 orange = radial walking direction

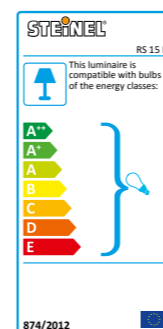


Light distribution curve for RS 15L
 — C0 / C180 cd/1000lm — C90 / C270



Suitable for incandescent lamps, low-energy lamps and LEDs

High-Frequency
 Sensor Lights
 for Indoors



Long-life aluminium enclosure



Opal glass shade



max. of 5 lights can be interconnected by cable



Facility for connecting extractor fan



High-Frequency Indoor SensorLights - T5 Fluorescent Lamps

Combination options by the yard.

Linear HF-sensor-switched luminaires.

STEINEL Professional linear fluorescent luminaires from the 5000-series are the ideal choice for illuminating large areas, such as extensive multi-storey and underground car parks as well as warehouses, basements and corridors. Ambient temperatures are unimportant because high-frequency sensor technology only responds to movements and switches light ON straight away. The various types featured in the 5000-series can be combined and interconnected to suit any application. This range of powerful luminaires is complemented by a number of intelligent features and clever extras.



High-Frequency
SensorLights
for Indoors



RS PRO 5500 RS PRO 5000 RS PRO 5002 LED Basic light RS PRO 5200 RS PRO 5100

Impact-resistant	•	•	•	•	•
IP rating	IP21/IP44	IP65	IP65	IP65	IP65
Lamp	2x 28W T5	2x 28W T5	2x 28W T5	2x 54W T5	1x 54W T5
Sensor	•	•	•	•	•
Slave	•	•	•	•	•
LED orientation light			•		
Remote control RC2	optional	optional	optional	optional	optional
Page	210	212	212	212	214

RS PRO 5500

Stylish elegance. Instantly off the mark.

In broad, long corridors light is not just a matter of function but also of good design. The RS PRO 5500 pleases the discerning eye with its slender design. As does a glance at the electricity bill. Fitted with 2 x 28-watt T5-tubes, twin electronic ballast and high-frequency sensor system, it makes for energy efficiency. Because it only switches light ON only when it's actually needed. Instantly and without flickering. For complex lighting tasks, several RS PRO 5500 luminaires can be interconnected by cable. Also available as a slave version.



2x28w

T5



high frequency sensor 360°



Ø 1-8m



2-2000 lux



1 min-20 min

TEACH mode

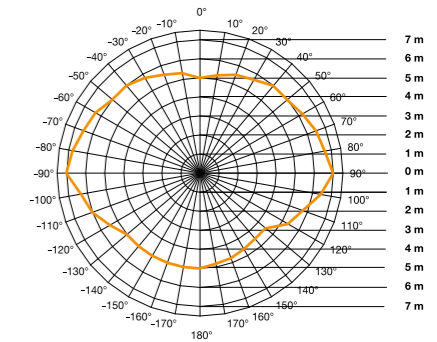
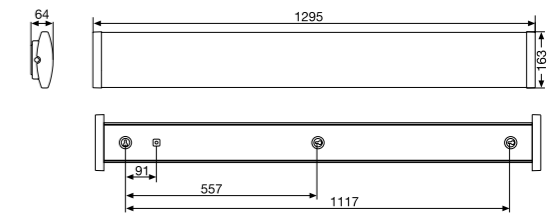


energy saving

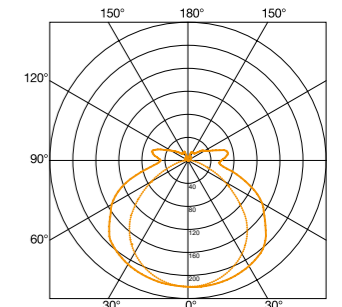
5 JAHRE GARANTIE

functional warranty

EAN RS PRO 5500	4007841 749811
EAN RS PRO 5500 Slave	4007841 749910
Dimensions (H x W x D)	1295 x 163 x 64 mm
Power supply	230 - 240 V, 50 Hz
Sensor type*	High-frequency
Transmitter power*	approx. 1mW
HF-system*	5.8 GHz (responds to the smallest of movements regardless of temperature)
Output	2 x 28 W / T5 (1 chip-controlled twin electronic ballast)
Max. additional switching capacity	4 further lights
Angle of coverage*	360° with 160° angle of aperture
Detection*	also through glass, wood and stud walls
Reach*	1 - 8 m all round, infinitely variable
	can be limited in 4 directions
Max. area covered*	50 m ²
Response light level*	.2 - 2000 lx
Time setting*	1 min. - 20 min. + install mode
IP rating	.IP21
IP rating for ceiling mounting	.IP44
Protection class	.I
Impact resistance	.IK07
Temperature range	-10 - +50 °C
Complete with lamp	.No



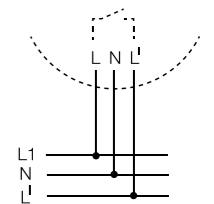
RS PRO 5500 detection zone
Mounting height 2.8 m
orange = radial walking direction



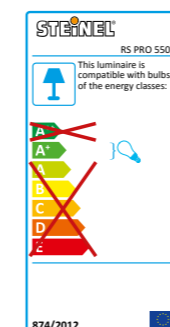
— C0 / C180 cd/1000lm — C90 / C270
RS PRO 5500 light distribution curve



Slave version without sensor



High-Frequency Sensor Lights for Indoors



Highly effective special lacquer-coated reflector

Interconnectable by cable



Impact-resistant material rated to IK 07



Optional remote control refer to page 270



Optional emergency light shunt



Light in abundance.

With the most cost-effective means.

The RS PRO 5000-series is designed for T5 low-energy lamps and comes with two independent electronic ballasts. The RS PRO 5002 also has a 4.5 W LED orientation light. The special lacquer-coated reflector in these luminaires maximises their effectiveness. The high-frequency sensor is also accommodated inside the linear fluorescent SensorLight where the impact-resistant polycarbonate diffuser (IK07) provides it with the best possible protection from dust, dirt and assaults. For convenience, all settings can be made by optionally available remote control. Or manually. Longitudinal prisms in diffuser provide optimum light distribution. RS PRO 5000-series luminaires are also available as slave versions.



2x28w
T5 (5000, 5002)

2x54w
T5 (5200)

high frequency sensor 360°

Ø 1-8m

2-2000 lux

1 min - 20 min

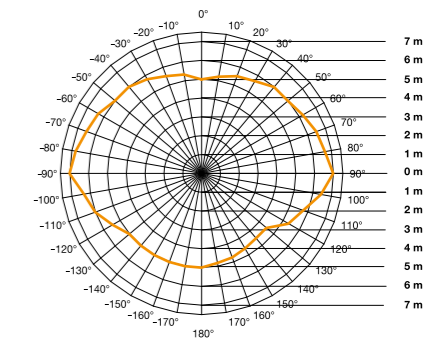
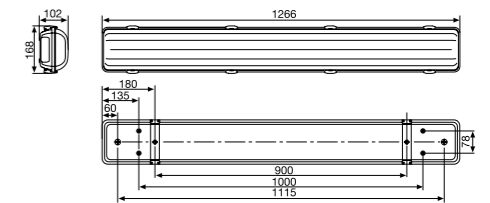
IP65
Dust-proof and jet water protected

TEACH
mode

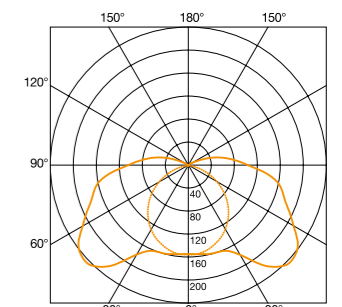
energy saving

5 JAHRE GARANTIE
functional warranty

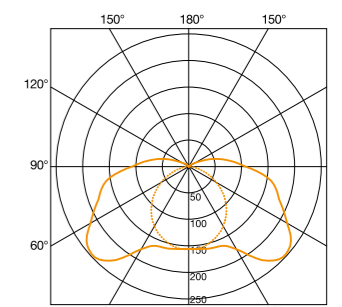
EAN RS PRO 5000	4007841 738815
EAN RS PRO 5000 Slave	4007841 738914
EAN RS PRO 5002 LED	4007841 731915
EAN RS PRO 5002 LED Slave	4007841 733810
EAN RS PRO 5200	4007841 002664
EAN RS PRO 5200 Slave	4007841 002671
Dimensions (H x W x D)	102 x 168 x 1266 mm
Power supply	230 - 240 V, 50 Hz
Sensor type*	High-frequency Transmitter power*
HF-system*	approx. 1mW
Output from RS PRO 5000 + 5002	5.8 GHz (responds to the smallest of movements regardless of temperature)
Output from RS PRO 5200	2 x 28 W / T5 (2 electronic ballasts)
Output from RS PRO 5002 LED	2 x 54 W / T5 (2 electronic ballasts)
Max. additional switching capacity	2 x 28 W / T5 (2 electr. ball.) + 4,5 W LED
Angle of coverage*	4 further lights
Reach*	360° with 160° angle of aperture
Max. area covered*	1 - 8 m all round, infinitely variable, can be limited in 4 directions
Response light level*	50 m ²
Time setting*	2 - 2000 lx
IP rating	1 min. - 20 min. + install mode
Protection class	IP65
Impact resistance	.IK07
Material	Polycarbonate
Complete with lamp	No



RS PRO 5000 · 5002 LED · 5200 detection zone
Mounting height 2.8 m
orange = radial walking direction



Light distribution curve for RS PRO 5000 · 5002 LED



Light distribution curve for RS PRO 5200

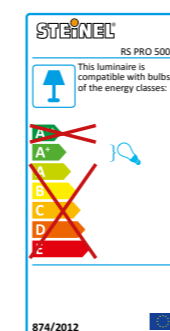
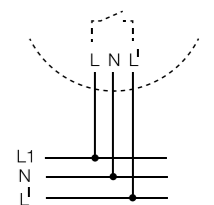
Accessories

EAN remote control RC2	4007841 737818
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Refer to 'Accessories' for further information.



Slave version without sensor



Highly effective special lacquer-coated reflector



Interconnectable by cable



Impact-resistant material rated to IK 07



LED orientation light in RS PRO 5002 LED



For optional remote control, see page 300



High-Frequency Sensor Lights for Indoors

RS PRO 5100

Nice and slim.
Nice and bright.

Form follows function. Just 100 millimetres wide, the RS PRO 5100 is the slimmest member in the RS PRO family of linear fluorescent luminaires. For good reason. It is designed for just one 54-watt T5 low-energy lamp but uses it to generate almost the same amount of light as the others with two tubes. What's more: HF-sensor, IK07 polycarbonate diffuser with longitudinal prisms for optimum light distribution, IP 65 rating and also available as a slave version without sensor.



54w
T5

high frequency
sensor 360°

Ø 1-8m

2-2000 lux

1 min-20 min

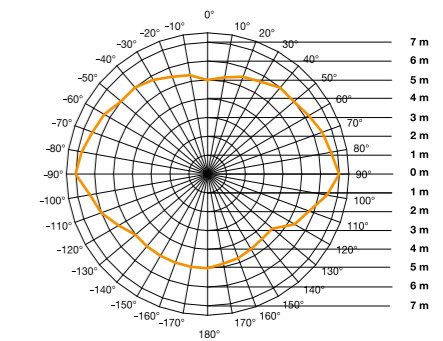
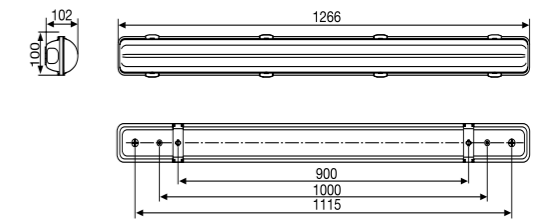
IP65
Dust-proof
and jet water
protected

TEACH
mode

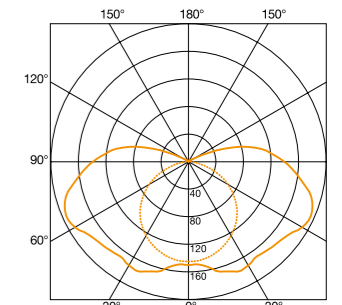
5 JAHRE
GARANTIE
functional
warranty

EAN RS PRO 5100	4007841 749613
EAN RS PRO 5100 Slave	4007841 749712
Dimensions (H x W x D)	102 x 100 x 1266 mm
Power supply	230 - 240 V, 50 Hz
Sensor type*	High-frequency
Transmitter power*	approx. 1mW
HF-system*	5.8 GHz (responds to the smallest of movements regardless of temperature)
Output	1 x 54 W / T5 (1 electronic ballast)
Max. additional switching capacity	4 further lights
Angle of coverage*	360° with 160° angle of aperture
Reach*	1 - 8 m all round, infinitely variable, can be limited in 4 directions
Max. area covered*	50 m ²
Response light level*	.2 - 2000 lx
Time setting*	1 min. - 20 min. + install mode
IP rating	IP65
Protection class	.IK07
Impact resistance	.IK07
Temperature range	-10 - +50 °C
Complete with lamp	No

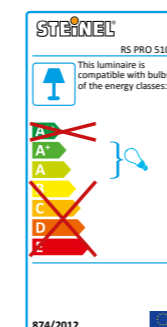
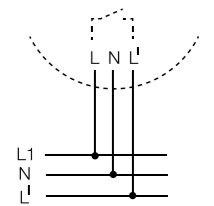
Accessories
EAN remote control RC2 4007841 737818
Refer to 'Accessories' for further information.



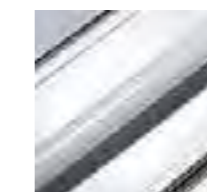
RS PRO 5100 detection zone
Mounting height 2.8 m
orange = radial walking direction



— C0 / C180 cd/1000lm — C90 / C270
Light distribution curve for RS PRO 5100



Highly effective
special lacquer-coated
reflector



Interconnectable
by cable



Impact-resistant
material rated to IK 07



For optional remote
control, see page 300



High-Frequency
Sensor Lights
for Indoors

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-perfor-

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



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

**Perfect components.
Perfectly combined.**

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



Monocrystalline solar panel

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



Highly efficient LED system

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



High-performance infrared sensor

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



Lithium-iron-phosphate rechargeable battery

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



Intelligent control

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



XSolar L-S

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

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

**LED
LONG LIFE**



**365 TAGE
LICHT**
Light 365 days
of the year

infrared
sensor 140°

8m

1,8m

1,2w
150lm
124lm/W

30qm

4000K
cool-white

2 lux

IP44

**5 JAHRE
GARANTIE**
functional
warranty

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



Daytime charging



Light when it's needed



Light availability up to 60 days



High-quality monocrystalline solar panel



Including STEINEL LED system



Optional basic lighting level



Compass for setting the panel to face the optimum direction



Including 2500 mAh lithium iron-phosphate rechargeable battery



Solar panel and LED panel can be mounted separately



Including 6 m extension cable



XSolar GL-S

Instantly impresses.
With efficiency and design.

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

LED
LONG LIFE



365
TAGE
LICHT
 Light 365 days
 of the year

infrared
 sensor 140°

5 m

1 m

1,2w
 150lm
 124lm/W

20qm

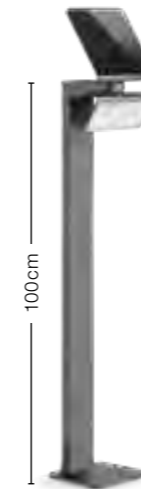
4000K
 cool-white

2 lux

IP44

5
JAHRE
Garantie
 functional
 warranty

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



Daytime charging



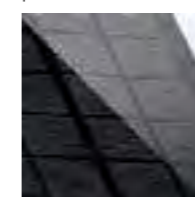
Light when it's needed



Light availability up to 60 days



High-quality monocrystalline solar panel



Including STEINEL LED system



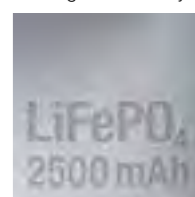
Optional basic lighting level



Compass for setting the panel to face the optimum direction



Including 2500 mAh lithium iron-phosphate rechargeable battery





Sensor-Switched Floodlights

XLED 25 intelligent power LED floodlights incur neither service costs nor do they require any maintenance.

XLED



XLED



XLED 25



XLED-SL 25



XLED 10



XLED-SL 10

Sensor	•		•	
Interconnectable	•	•	•	•
IP rating	IP44	IP44	IP44	IP44
LED system	62 W	62 W	30 W	30 W
Brightness /lumens	4000lm	4000lm	2000lm	2000lm
Additional switching capacity	800 W max.		800 W max.	
Angle of coverage	240°		240°	
Reach	12 m max.		12 m max.	
Page	230	232	234	236



The new power generation.

In terms of their overall qualities, XLED sensor-switched LED floodlights from STEINEL Professional are a valuable asset for any lighting planner with high aesthetic standards. Because XLED has been given the iF Design Award and sets standards in lighting performance and energy efficiency. These floodlights combine intelligent infrared sensor technology with highly efficient LED light that uses only about a third of the energy a halogen floodlight needs - for the same luminous efficiency!

The technical challenge though is heat management. This is where STEINEL Professional has two clever answers. The first one comes in the form of integrated cooling fins that efficiently dissipate heat. Patented Active-Thermo-Control being the other. Continuously measuring the temperature of the LEDs, the microprocessor control system takes action in critical situations. This combination allows the high-performance LEDs to reach their maximum operating life of approx. 50,000 hours with a residual output of 70%.

XLED 25

The measure of things.

In performance and efficiency.

The larger the property the greater the challenge. These are overcome most efficiently with the extremely powerful XLED 25. As the name says, it "floods" 4000 lumens out into the night from its 25 high-end LEDs. At 62 watts, this is the highest light output that's currently possible. In short: the XLED 25 is the absolute measure of things. Sensor technology, range of functions and unique directional flexibility identical to its smaller brother, the XLED 10.

XLED



LED

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

62w

4000lm
64,5lm/W



4100 K
cold-white



infrared
sensor 240°



max. 12m



IP 44



270° horizontal/
200° vertical



2–2000 lux



5 sec–15 min



networkable
via cable

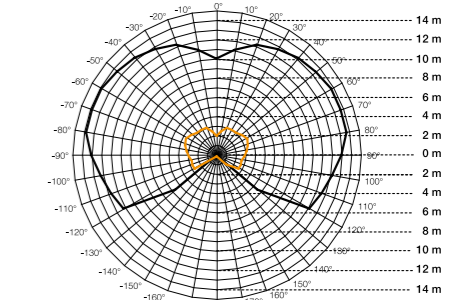
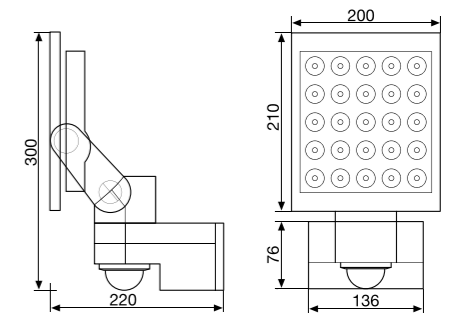


energy
saving

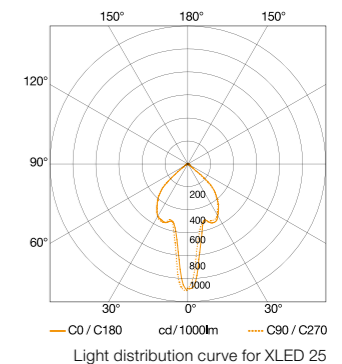


5 JAHRE
GARANTIE
functional
warranty

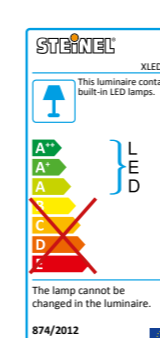
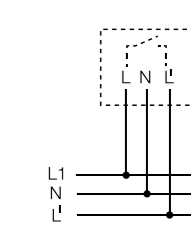
EAN XLED 25 white	4007841 005702
EAN XLED 25 black	4007841 005696
Dimensions (H x W x D)	300 x 200 x 220 mm
Power supply	230 – 240 V, 50 Hz
Sensor type	Passive infrared
Output	25 LEDs, approx. 62 W
Output (resistive load, e.g. ordinary lamp)	800 W max.
Output (uncorrected, inductive, cos ϕ = 0.5, e.g. fluorescent lamps)	400 VA max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	4 each max., C \leq 88 μ F
Brightness	4000 lm
Efficiency	64.5 lm/W
Colour temperature	4100K/SDCM 6
Colour rendering	Ra \geq 60
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Floodlight swivelling and tilting range	270° (swivelling), 200° (tilting)
Angle of coverage	240° with sneak-by guard
Capability of masking out individual segments	Yes
Reach	12 m max.; temperature-stabilised
Sensor system	9 detection levels, 304 switching zones
Response light level	2 - 2000 lx
Time setting	5 sec. - 15 min.
IP rating	IP44
Protection class	I
Basic light level	a) all night long, b) 10 min. after expiry of the set time, 10% basic light level (approx. 3 W)
Manual override	Selectable, 4 h
Material	Aluminium
Temperature range	-20 to +50 °C
With lamp	STEINEL LED system
Lamp replaceable	No
Weight	2.9 kg



XLED 25 detection zone
Mounting height 2.8 m
black = tangential walking direction
orange = radial walking direction



white black



<p>Including STEINEL LED system</p>	<p>Intelligent LED (ATC) cooling system</p>	<p>Optional basic light level 10 %</p>	<p>UV-resistant plastic</p>	<p>Interconnectable by cable</p>
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XLED-SL 25

Interconnected intelligence.
Saves no end of energy.

If necessary, large areas can be illuminated by many lights interconnected in groups. This is why STEINEL also offers the XLED 25 in a slave version. Without sensor, but with the same LED technology and the same directional flexibility as the master. This way, highly efficient STEINEL LED floodlight technology can be added to existing multiple light systems. To provide maximum efficiency.

XLED



LED
 30 years
 (Ø 4,5h/day)

62w
 4000lm
 64,5lm/W

4100 K
 cold-white

IP 44

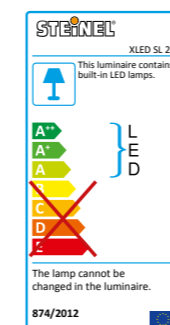
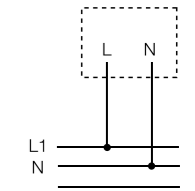
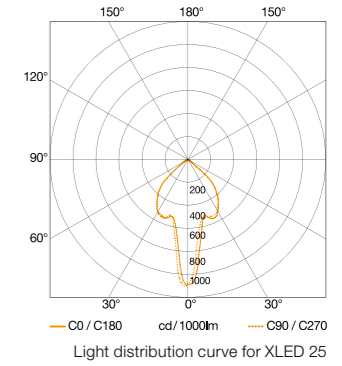
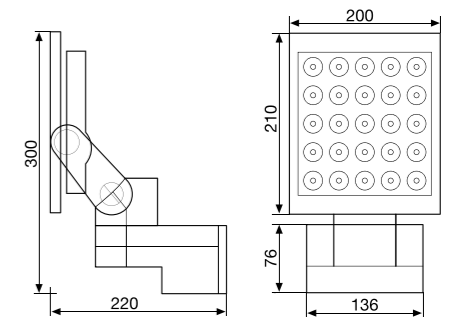
270° horizontal/
 200° vertical

networkable
 via cable

energy
 saving

5 JAHRE
 GARANTIE
 functional
 warranty

EAN XLED-SL 25 white4007841 005740
 EAN XLED-SL 25 black4007841 005733
 Dimensions (H x W x D)300 x 200 x 220 mm
 Power supply 230 – 240 V, 50 Hz
 Output 25 LEDs, approx. 62 W
 Brightness 4000 lm
 Efficiency 64.5 lm/W
 Colour temperature 4100 K/SDCM 6
 Colour rendering Ra ≥60
 LED life expectancy 50,000 h (L70B10 to LM80)
 LED cooling system Passive Thermo Control
 Floodlight swivelling and tilting range..... 270° (swivelling), 200° (tilting)
 IP rating IP44
 Protection class I
 Material Aluminium
 Temperature range -20 to +50 °C
 With lamp STEINEL LED system
 Lamp replaceable No
 Weight 2.5 kg



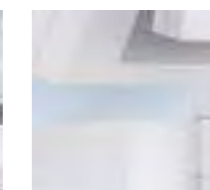
Including STEINEL
 LED system



Intelligent LED (ATC)
 cooling system



UV-resistant plastic



Interconnectable
 by cable



XLED 10

Shining model.

Gets 2000 lumens out of 30 watts.

All asleep, one keeps watch! No matter who or what's creeping about at night in the loading bay, walking up the driveway or enters the premises round the back of the building, there's no escaping the XLED 10's sensor. It responds to any movement with a dazzling blast of light. Far less dramatic is the amount of energy the XLED 10 needs to do it. The 10 high-end LEDs deliver an output of 30 watts generating 2000 lumens of light that can be aimed in any direction thanks to the tilting and swivelling flat-design light head. No other floodlight provides greater flexibility!

XLED



LED

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

30w

2000lm
66,6lm/W



4100 K
cold-white



infrared
sensor 240°



max. 12m



IP 44



270° horizontal/
200° vertical



2–2000 lux



5 sec–15 min



networkable
via cable

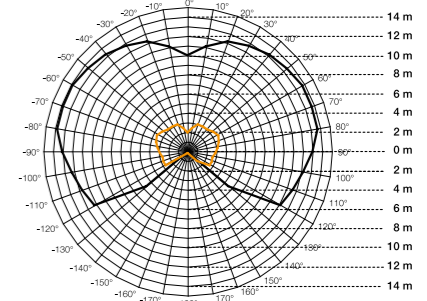
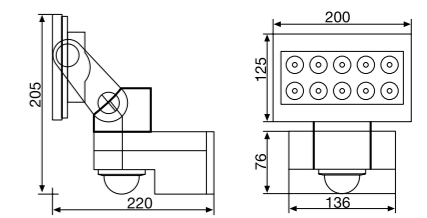


energy
saving

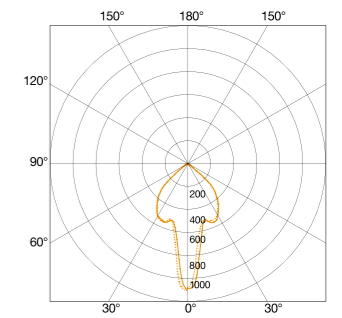


functional
warranty

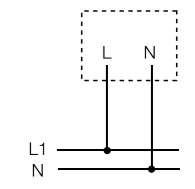
EAN XLED 10 white	4007841 005689
EAN XLED 10 black	4007841 005672
Dimensions (H x W x D)	205 x 200 x 220 mm
Power supply	230 – 240 V, 50 Hz
Sensor type	Passive infrared
Output	10 LEDs, approx. 30 W
Output (resistive load, e.g. ordinary lamp)	800 W max.
Output (uncorrected, inductive, cos ϕ = 0.5, e.g. fluorescent lamps)	400 VA max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	4 each max., C \leq 88 μ F
Brightness	2000 lm
Efficiency	66.6 lm/W
Colour temperature	4100K/SDCM 6
Colour rendering	Ra \geq 60
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Floodlight swivelling and tilting range	270° (swivelling), 200° (tilting)
Angle of coverage	240° with sneak-by guard
Capability of masking out individual segments	Yes
Reach	12 m max.; temperature-stabilised
Sensor system	9 detection levels, 304 switching zones
Response light level	2 - 2000 lx
Time setting	5 sec. - 15 min.
IP rating	IP44
Protection class	I
Basic light level	a) all night long, b) 10 min. after expiry of the set time, 10% basic light level (approx. 3 W)
Manual override	Selectable, 4 h
Material	Aluminium
Temperature range	-20 to +50 °C
With lamp	STEINEL LED system
Lamp replaceable	No
Weight	2.2 kg



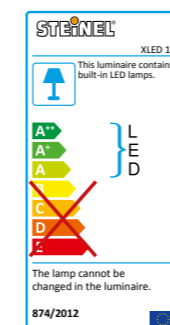
XLED 25 detection zone
Mounting height 2.8 m
black = tangential walking direction
orange = radial walking direction



Light distribution curve for XLED 10



Sensor-Switched
Floodlights



Including STEINEL
LED system



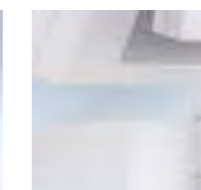
Intelligent LED (ATC)
cooling system



Optional basic
light level 10 %



UV-resistant plastic



Interconnectable
by cable



XLED-SL 10

Networking for more efficiency. Saving energy on a grand scale.

Depending on the size of property it's often necessary to interconnect many lights in groups. This is why STEINEL also offers the XLED 10 in a slave version for maximum efficiency. Without sensor, but with the same LED technology and the same directional flexibility as the masters. This way, you can add highly efficient STEINEL LED floodlight technology to existing multiple light systems.

XLED



LED
30 years
(Ø 4,5h/day)

30w
2000lm
66,6lm/W

4100 K
cold-white

IP 44

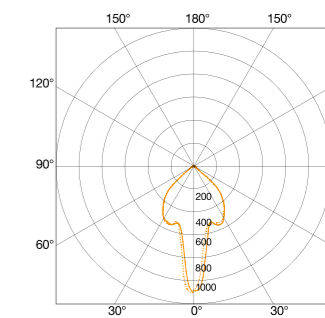
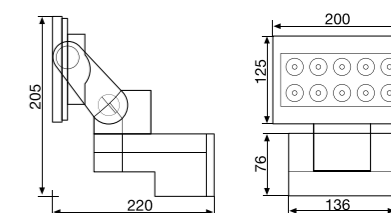
270° horizontal/
200° vertical

networkable
via cable

energy
saving

5 JAHRE
GARANTIE
functional
warranty

EAN XLED-SL 10 white	4007841 005726
EAN XLED-SL 10 black	4007841 005719
Dimensions (H x W x D)	205 x 200 x 220 mm
Power supply	230 – 240 V, 50 Hz
Output	10 LEDs, approx. 30 W
Brightness	2000 lm
Efficiency	66.6 lm/W
Colour temperature	4100 K/SDCM 6
Colour rendering	Ra ≥ 60
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Floodlight swivelling and tilting range	270° (swivelling), 200° (tilting)
IP rating	IP44
Protection class	I
Material	Aluminium
Temperature range	-20 to +50 °C
With lamp	STEINEL LED system
Lamp replaceable	No
Weight	2.1 kg



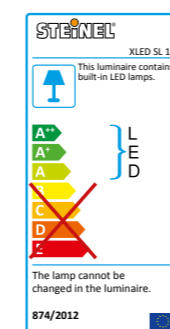
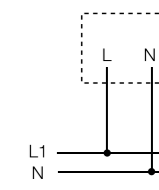
Light distribution curve for XLED 10



white



black



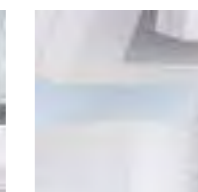
Including STEINEL
LED system



Intelligent LED (ATC)
cooling system



UV-resistant plastic



Interconnectable
by cable





Highly efficient LED floodlight projector XLED FL-100 shows outdoor advertising in a new light.

XLED



Outdoor advertising and signage in a new light.

Highly efficient LED floodlight projectors with photoelectric sensor system.

The intelligent LED floodlight projectors from STEINEL display billboard advertising in exactly the right light. That's because they provide an excellent and unequalled colour rendering index while also using very little energy thanks to their power LEDs that never need changing. Incidentally, these floodlights incur neither servicing nor maintenance costs. Simply draw attention the intelligent way.

XLED FL-50 · XLED FL-100

The world premiere:

The first LED floodlight with photoelectric sensor system.

Gigantic advertising boards and mega posters want to provide information and boost sales when it's dark too. And large-format company logos on the front of buildings need to provide maximum impact at night as well. Conventional halogen floodlights can do this too but just imagine the work involved in changing bulbs at dizzying heights. The alternative and currently most energy-efficient and smartest lighting solution is called XLED FL, the first LED floodlight projector with integrated Night-Matic function. The LED light switches ON automatically at dusk and attracts attentions to the object being illuminated with 3,500 kelvins for excellent colour rendition. Doing so for a good 50,000 hours without having to change a lamp. In short: No maintenance, no costs, no better solution!



Twilight switch + eco-mode

LED

30 years (Ø 4,5h/day)

25w

1016lm 40,6lm/W



3500 K warm-white



2-100 lux



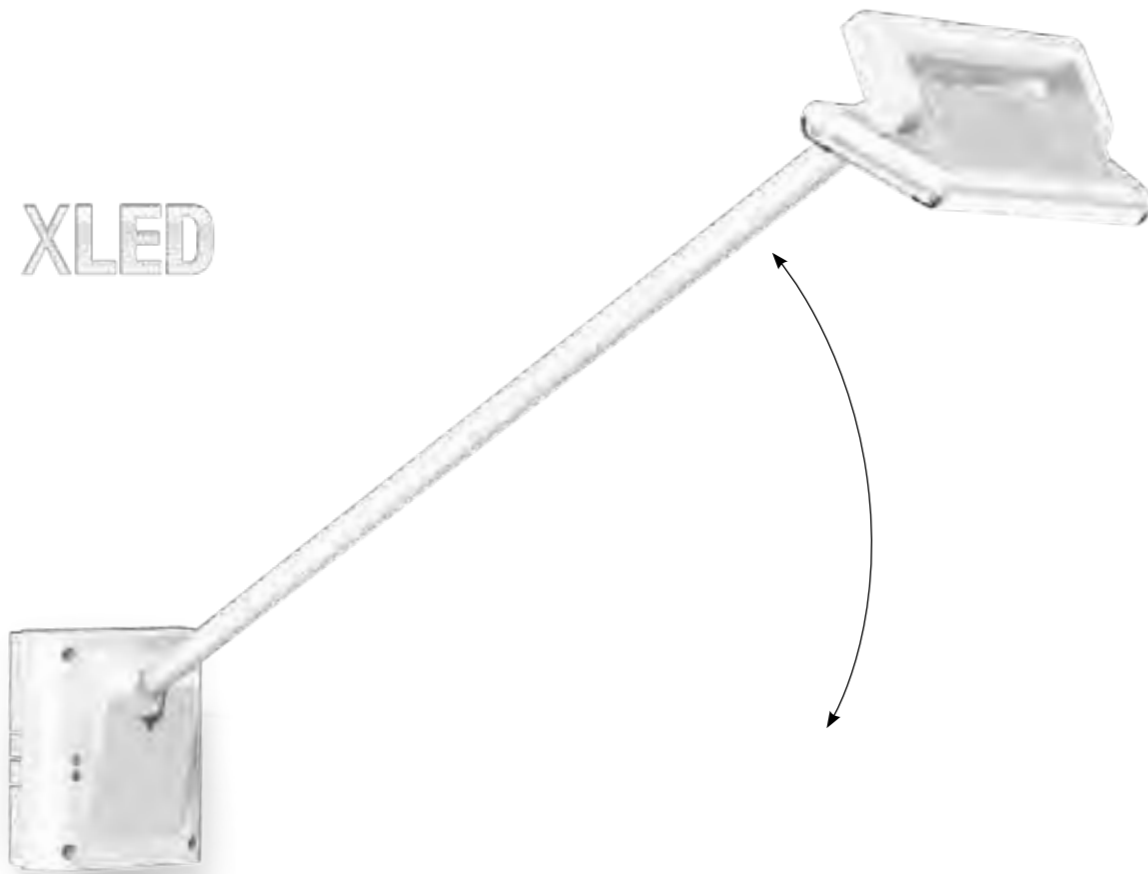
IP 44



energy saving



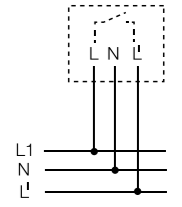
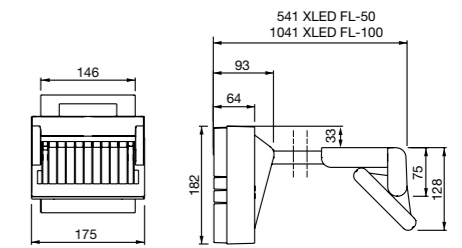
5 JAHRE GARANTIE functional warranty



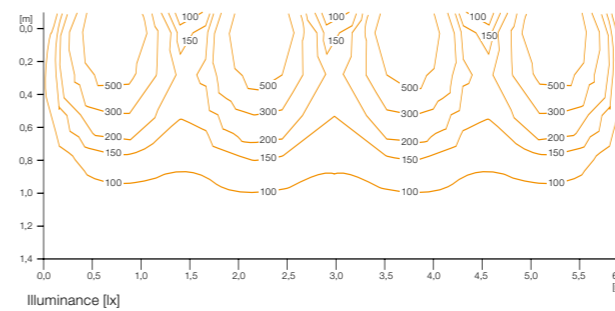
XLED FL-100



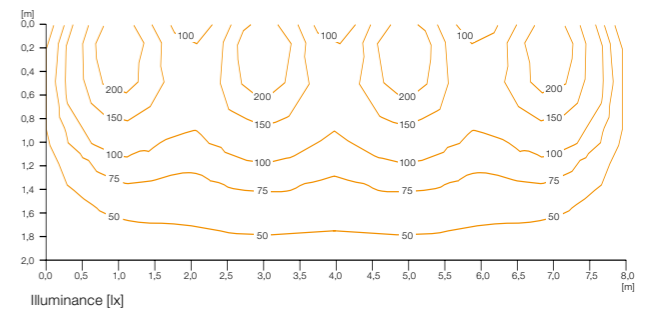
XLED FL-50 white	4007841 631017
XLED FL-50 black	4007841 630911
XLED FL-100 white	4007841 003890
XLED FL-100 black	4007841 003906
Dimensions (H x W x D) XLED FL-50	182 x 175 x 541 mm
Dimensions (H x W x D) XLED FL-100	182 x 175 x 1041 mm
Power supply	230 V, 50 Hz
Output	25W power LEDs
Brightness	1016 lm
Efficiency	40.6 lm/W
Colour temperature	3500 K/SDCM 6
Colour rendering	Ra≥90
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Response light level	2 - 100 lx
IP rating	IP44
Protection class	I
With lamp	STEINEL LED system
Lamps replaceable	No
Weight XLED FL-50	2.0 kg
Weight XLED FL-100	2.2 kg



Light distribution curve for XLED FL-50



Light distribution curve for XLED FL-100



XLED FL-50 white



XLED FL-50 black

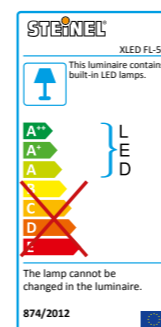
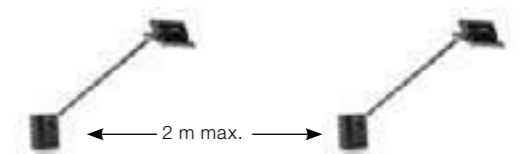
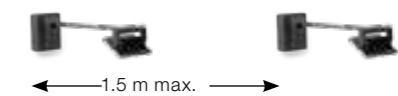


XLED FL-100 white



XLED FL-100 black

Mounting distance for XLED FL-50 and FL-100



Including STEINEL LED system



Intelligent LED (ATC) cooling system



Colour rendering-index Ra≥90



Interconnectable by cable (maximum of 16 units)



High-quality aluminium





HS 502



HS 152 Xeno

Sensor	•	•
Interconnectable	•	•
Output	500W/R7s	150W/R7s
Additional switching capacity	500 W max.	800 W max.
Angle of coverage	180°	180°
Reach	12m max. or 5 m max.	12m max. or 5 m max.
Page	246	248



HS 152 XENO

**Light aplenty.
Sensor-switched halogen floodlight.**

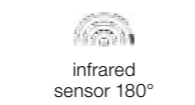
The professional approach to planning lighting for large open spaces and sizeable premises focuses on providing the best possible cost-benefit ratio. An automated lighting system geared exactly to the specific need for lighting can go a long way towards optimising energy and cost savings. This comes as standard with STEINEL Professional sensor-switched halogen floodlights. Because the right ECO linear halogen lamp is included. Sturdy die-cast aluminium design, setting options to suit any application and infrared sensor system are further benefits that make this halogen floodlight a clever and good investment with lasting rewards.

HS 502

Maximum halogen power.

All packaged nice and compactly.

When the sun suddenly comes out over loading bays, yard entrances and large outdoor spaces in the middle of the night, you can be sure the HS 502 has got something to do with it. With an output of up to 500 watts, it puts almost everything else in the shade! Power at this level needs a sturdy exterior: which is why bezel, wall mount and enclosure are made from tough die-cast aluminium.



infrared sensor 180°



max. 12m



IP 44

max. 500W
R7s



30° horizontal / 40° vertical



2-2000 lux



10sec-15min



networkable via cable

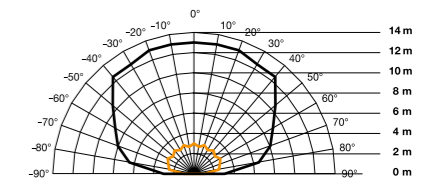
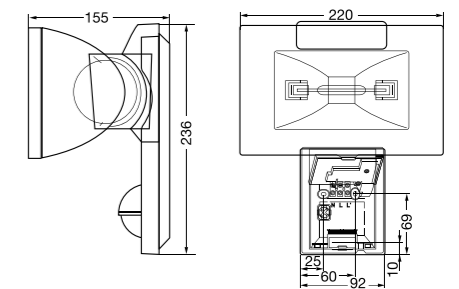


energy saving

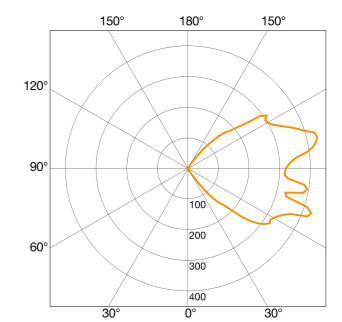
5 JAHRE GARANTIE

functional warranty

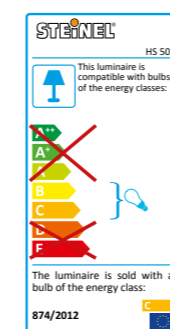
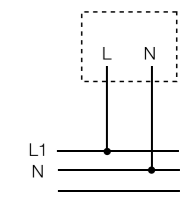
EAN HS 502 white	4007841 632816
EAN HS 502 black	4007841 632717
EAN HS 502 silver	4007841 648510
Dimensions (H x W x D)	236 x 220 x 155 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Passive infrared
Output	500 W max./R7s linear halogen lamp
Output (resistive load, e.g. ordinary lamp)	500 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	500 VA max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	2 each max., C ≤ 44 µF
Floodlight swivelling and tilting range	30° (swivelling), 40° (tilting)
Angle of coverage	180° with 90° angle of aperture
Capability of masking out individual segments	Yes
Reach	2 basic settings: 12 m max. or 5 m max., + precision adjustment using shrouds, temperature-stabilised
Sensor system	10 detection levels (12 m), 9 detection levels (5 m), 504 switching zones (12 m), 412 switching zones (5 m)
Response light level	2 - 2000 lx
Time setting	10 sec. - 15 min.
IP rating	IP44
Protection class	I
Material	UV-resistant plastic and aluminium floodlight head
Temperature range	-20 - +40 °C
Complete with lamp	yes, 400 W ECO linear lamp



HS502 detection zone
Mounting height 1.8 m
black = tangential walking direction
orange = radial walking direction



Light distribution curve for HS502



400W ECO linear halogen lamp included



UV-resistant plastic



Interconnectable by cable



High-quality aluminium



HS 152 XENO

**Turns night into day.
And saving a lot of energy.**

This is unique: the XENO glass panel on this "beaming baby" filters the light, creating a colour temperature that's kind on the eyes as it's similar to daylight. Rated for a maximum of 150 watts, the HS 152 XENO comes complete with a 125W ECO linear lamp. Bezel, wall mount and floodlight enclosure are manufactured from tough die-cast aluminium. Powerful and intelligent.



- infrared sensor 180°
- max. 12m
- IP 44

max. 150W
R7s



30° horizontal/
40° vertical



2–2000 lux



10sec–15min



networkable
via cable

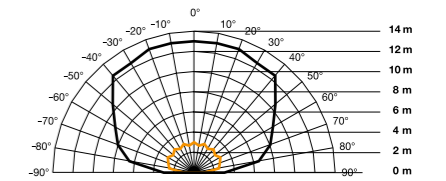
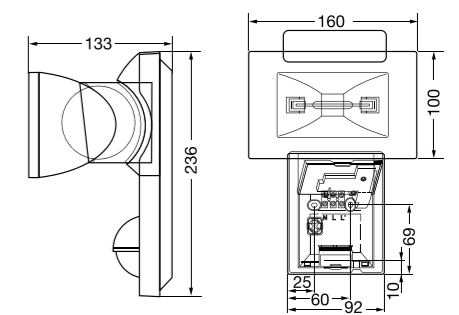


energy
saving

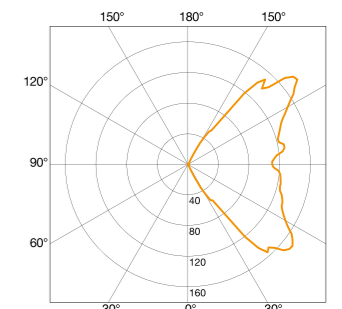


functional
warranty

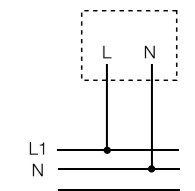
EAN HS 152 XENO white	4007841 632113
EAN HS 152 XENO black	4007841 632014
EAN HS 152 XENO silver	4007841 648411
Dimensions (H x W x D)	236 x 160 x 133 mm
Power supply	230 – 240 V, 50 Hz
Sensor type	Passive infrared
Output	150 W max. / R7s linear halogen lamp
Output (resistive load, e.g. ordinary lamp)	800 W max.
Output (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	500 VA max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	4 each max., C ≤ 88 µF
Floodlight swivelling and tilting range	30° (swivelling), 40° (tilting)
Angle of coverage	180° with 90° angle of aperture
Capability of masking out individual segments	Yes
Reach	2 basic settings: 12 m max. or 5 m max., + precision adjustment using shrouds, temperature-stabilised
Sensor system	10 detection levels (12 m), 9 detection levels (5 m), 504 switching zones (12 m), 412 switching zones (5 m)
Response light level	2 - 2000 lx
Time setting	10 sec. - 15 min.
IP rating	IP44
Protection class	I
Material	UV-resistant plastic and aluminium floodlight head
Temperature range	-20 - +40 °C
Complete with lamp	yes, 125 W ECO linear lamp



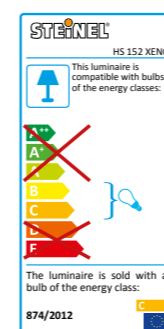
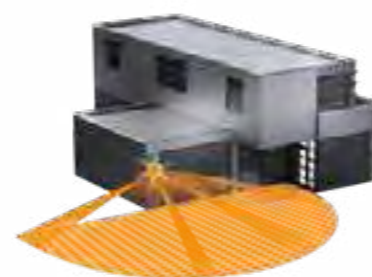
HS 152 XENO detection zone
Mounting height 1.8 m
black = tangential walking direction
orange = radial walking direction



Light distribution curve for HS 152 XENO



Sensor-Switched
Floodlights



125W ECO linear halogen lamp included



UV-resistant plastic



Xeno light similar to daylight



Interconnectable by cable



High-quality aluminium





L 665 LED

LED
LONG LIFE



SensorLights 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 SensorLights. Form and function team up to create attractive eye-catchers that complement the style of modern architecture. All STEINEL Professional models combine efficient LED lighting technology with infrared sensor systems, producing resplendent statements of a dazzling awareness for conserving energy and protecting the environment.

L 650 LED

**In great shape.
Extremely tough.**

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

**LED
LONG LIFE**



LED

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

8W

90lm
11 lm/W



3200 K
warm-white



infrared
sensor 180°



max. 12m



IP 44



2-2000 lux



5 sec - 15 min

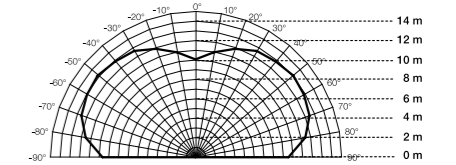
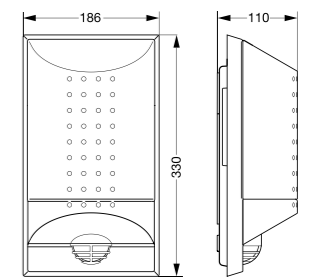


energy
saving

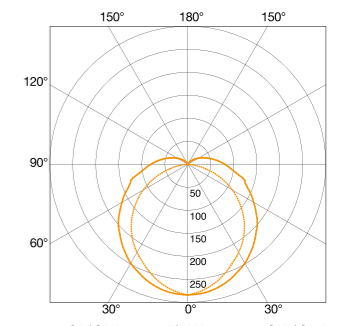


5 JAHRE
GARANTIE
functional
warranty

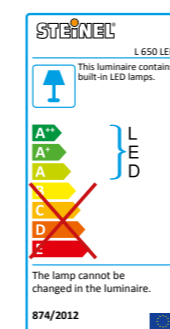
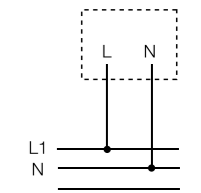
EAN L 650 LED white	4007841 004033
EAN L 650 LED grey	4007841 004095
Dimensions (H x W x D)	330 x 186 x 110 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Passive infrared
Output	8 W power LEDs
Brightness	90 lm
Efficiency	11.3 lm/W
Colour temperature	3200 K/SDCM 6
Colour rendering	Ra \geq 65
LED life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



L 650 LED detection zone
Mounting height 2,8 m
black = tangential walking direction



Light distribution curve for L 650 LED



Including STEINEL
LED system



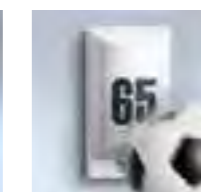
Intelligent
soft light start



Optional basic
lighting level 0 - 50 %



Impact-resistant
material rated to IK 07



Including sheet
of self-adhesive
house numbers



L 665 LED

100% design.
90% energy saving.

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

LED
LONG LIFE



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

9W
155lm
17lm/W

3200 K
warm-white

infrared sensor 360°

max. 8m

IP 44

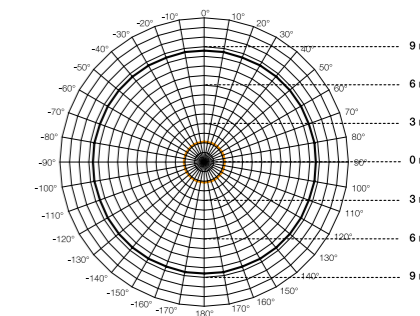
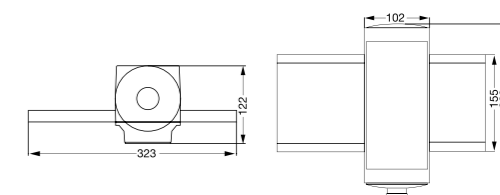
2-2000 lux

5 sec - 15 min

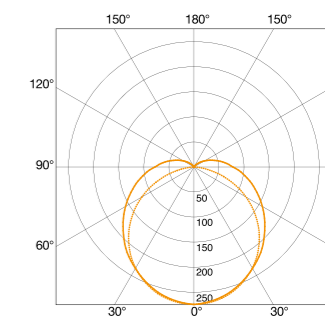
energy saving

5 JAHRE GARANTIE
functional warranty

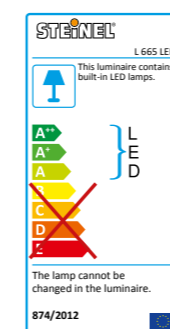
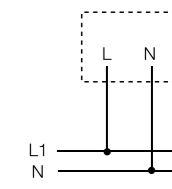
EAN L 665 LED aluminium-silver4007841 003760
Dimensions (H x W x D)269 x 323 x 122 mm
Power supply230 - 240 V, 50 Hz
Sensor typePassive infrared
Output9 W LED (2 x 4 W + 1 W LED house number lighting)
Brightness155 lm
Efficiency17.2 lm/W
Colour temperature3200 K/SDCM 6
Colour renderingRa \geq 65
LED life expectancy50,000 h (L70B10 to LM80)
LED cooling systemPassive Thermo Control
Angle of coverage360° with sneak-by guard
Capability of masking out individual segmentsYes
Reach8 m max. all-round
Sensor system2 detection levels, 512 switching zones
Response light level2 - 2000 lx
Time setting5 sec. - 15 min.
Basic light level0 % or 25 %
Soft light startYes
Manual overrideSelectable, 4 h
IP ratingIP44
Protection classII
Temperature range-20 to +40 °C
MaterialAluminium
With lampSTEINEL LED system
Lamp replaceableNo
Sheet of house numbersincluded



L 665 LED detection zone
Mounting height 2.8 m
black = tangential walking direction
orange = radial walking direction



Light distribution curve for L 665 LED



Panel provides space for a 3-digit house number



Panel can be moved to the left or right



Including STEINEL LED system



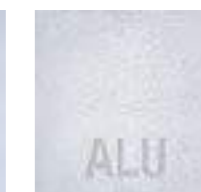
Sensor with 4 intelligent programmings



Intelligent soft light start



High-quality aluminium



Optional basic light level 25 %



Including sheet of self-adhesive house numbers



L 666 LED

Harmonises with modern architecture.

And with the L 665 LED house-number light.

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

LED
LONG LIFE



LED

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

8W

150lm
18lm/W



3200 K
warm-white



infrared
sensor 360°



max. 8m



IP 44



2-2000 lux



5 sec - 15 min

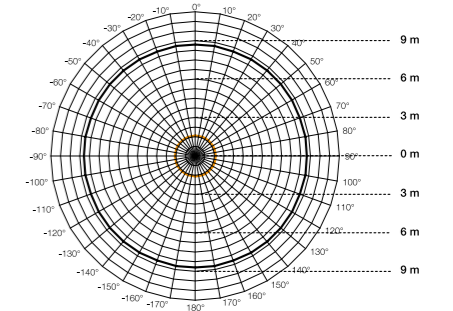
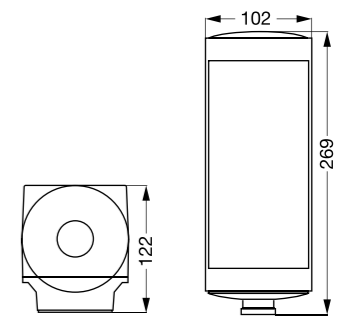


energy
saving

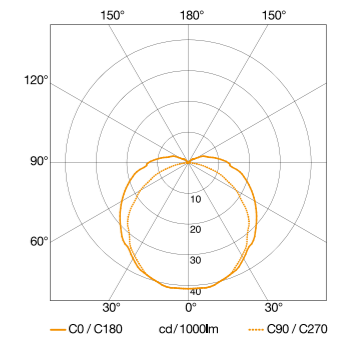
5 JAHRE
GARANTIE

functional
warranty

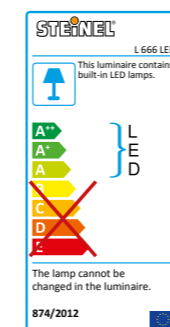
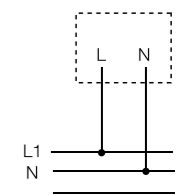
EAN L 666 LED aluminium-silver	4007841 003777
Dimensions (H x W x D)	269 x 102 x 122 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Passive infrared
Output	8 W LED (2 x 4 W)
Brightness	150 lm
Efficiency	18.7 lm/W
Colour temperature	3200 K/SDCM 6
Colour rendering	Ra \geq 65
LED life expectancy	50,000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



L 666 LED detection zone
Mounting height 2.8 m
black = tangential walking direction
orange = radial walking direction



Light distribution curve for L 666 LED



Including STEINEL LED system



Intelligent soft light start



Optional basic light level 25 %



Sensor with 4 intelligent programmes



High-quality aluminium



Including sheet of self-adhesive house numbers



L 675 LED

Design that creates a wave of excitement.

With LED technology to match.

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

**LED
LONG LIFE**



LED

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

9w

140lm
15lm/W



3200 K
warm-white



infrared
sensor 360°



max. 8m



IP 44



2–2000 lux



5 sec–15 min

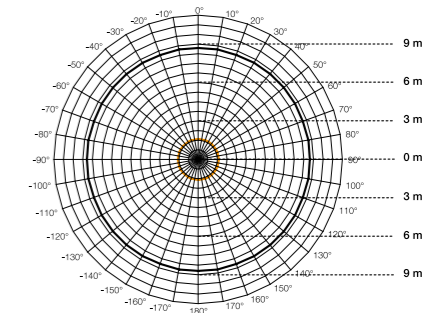
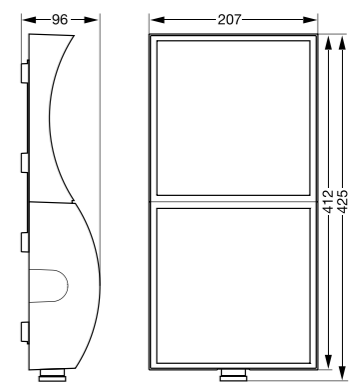


energy
saving

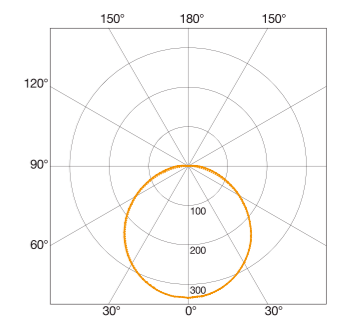


5 JAHRE
GARANTIE
functional
warranty

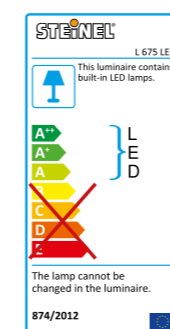
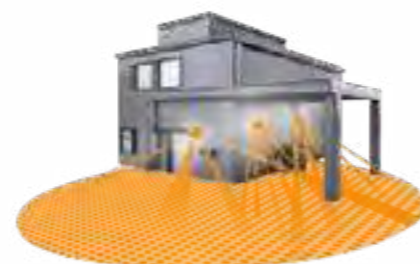
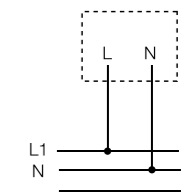
EAN L 675 LED aluminium-silver	4007841 003852
EAN L 675 LED aluminium-anthracite	4007841 581817
Dimensions (H x W x D)	207 x 425 x 96 mm
Power supply	230 – 240 V, 50 Hz
Sensor type	Passive infrared
Output	9 W LED (2 x 4 W + 1 W LED house number lighting)
Brightness	140 lm
Efficiency	15.5 lm/W
Colour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



L 675 LED detection zone
Mounting height 2.8 m
black = tangential walking direction
orange = radial walking direction



Light distribution curve for L 675 LED



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



Including STEINEL
LED system



Sensor with 4 intelli-
gent programmes



Intelligent
soft light start



High-quality aluminium



Optional basic
light level 25 %



Including sheet
of self-adhesive
house numbers



L 676 LED

Outstanding design.

Outstanding combination.

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

LED
LONG LIFE



LED

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

8W

140lm
17lm/W



3200 K
warm-white



infrared
sensor 360°



max. 8m



IP 44



2-2000 lux



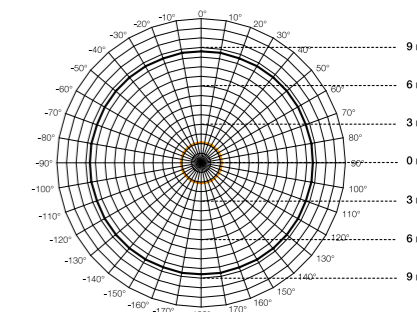
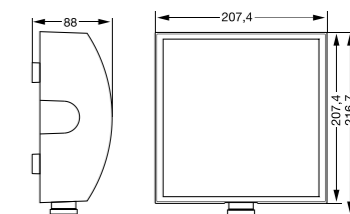
5 sec - 15 min



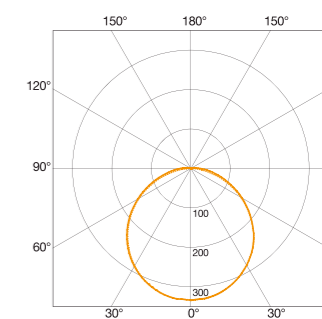
energy
saving

5 JAHRE
GARANTIE
functional
warranty

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



L 676 LED detection zone
Mounting height 2.8 m
black = tangential walking direction
orange = radial walking direction



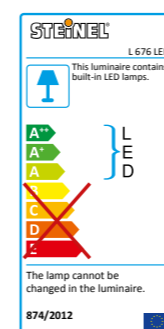
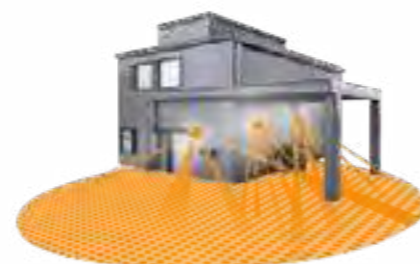
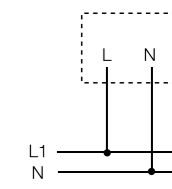
Light distribution curve for L 676 LED



aluminium-silver



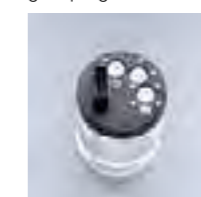
aluminium-anthracite



Including STEINEL LED system



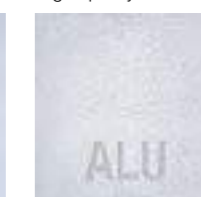
Sensor with 4 intelligent programmes



Intelligent soft light start



High-quality aluminium



Optional basic light level 25 %



Including sheet of self-adhesive house numbers



L 680 LED

**Pleasing eye-catcher.
Pleasing for the overall effect.**

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

**LED
LONG LIFE**



LED

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

8W

150lm
18lm/W



3200 K
warm-white



infrared
sensor 140°



max. 12m



IP 43



2-2000 lux



5 sec - 15 min

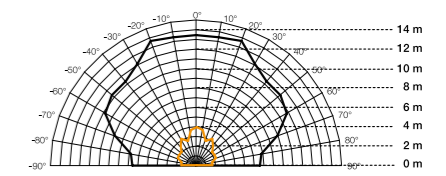
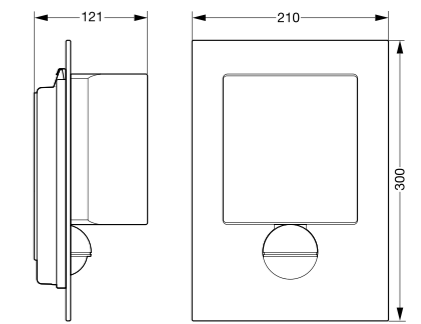


energy
saving

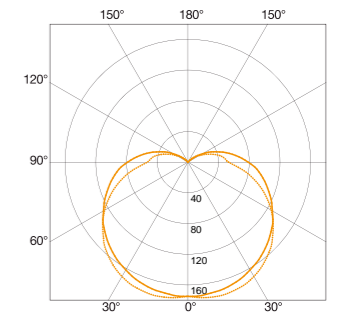


functional
warranty

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



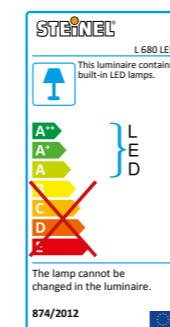
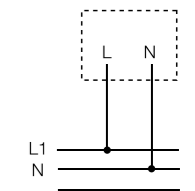
L 680 LED detection zone
Mounting height 2.8 m
black = tangential walking direction
orange = radial walking direction



Light distribution curve for L 680 LED



glass white glass silver stainless steel aluminium silver aluminium anthracite



Including STEINEL LED system



Intelligent soft light start



Optional basic lighting level 0 - 50 %



High-quality aluminium



Including sheet of self-adhesive house numbers



L 690 LED

Popular style.
Full range of functions.

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

LED

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

16w

350lm
21,8lm/W



3200 K
warm-white



infrared
sensor 360°



max. 8m



IP 44



2-2000 lux



5 sec - 15 min



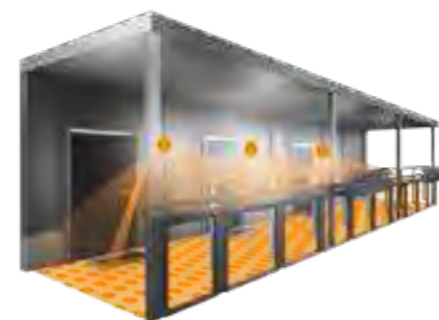
energy
saving

5 JAHRE GARANTIE

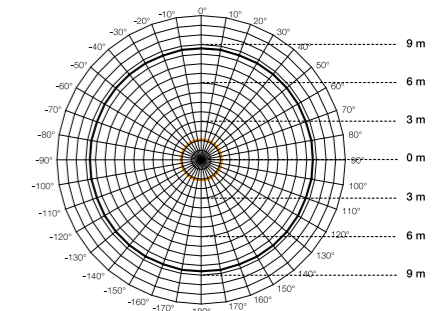
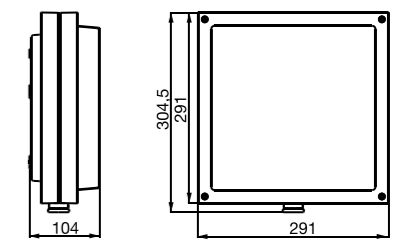
functional
warranty



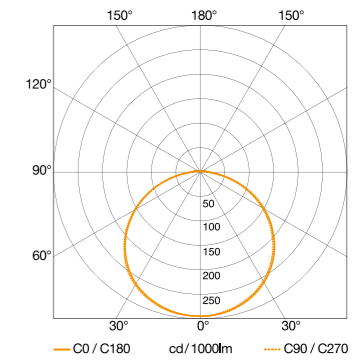
LED
LONG LIFE



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



L 690 LED detection zone
Mounting height 2.8 m
black = tangential walking direction
orange = radial walking direction



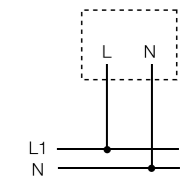
Light distribution curve for L 690 LED



aluminium-silver



aluminium-anthracite



Including STEINEL LED system



Sensor with 4 intelligent programmes



Intelligent soft light start



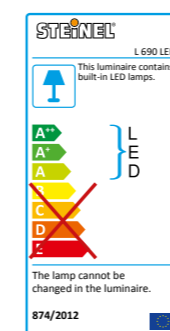
High-quality aluminium



Optional basic light level 25 %



Including sheet of self-adhesive house numbers



L 691 LED

**Perfectly guarded.
Perfectly equipped.**

Football don't always land in between the goal posts but can often hit hard for home-owners too. This is the reason for outdoor SensorLight 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 SensorLight.

**LED
LONG LIFE**



LED

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

16w

350lm
21,8lm/W



3200 K
warm-white



infrared
sensor 360°



max. 8m



IP 44



2-2000 lux



5 sec - 15 min

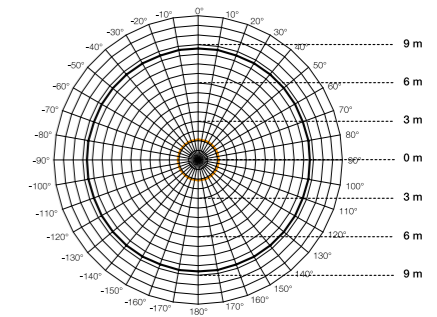
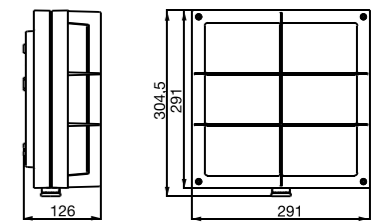


energy
saving

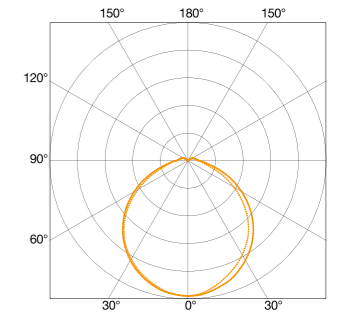
**5 JAHRE
GARANTIE**

functional
warranty

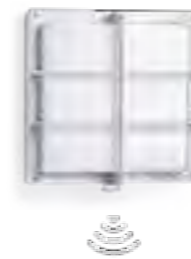
EAN L 691 LED aluminium-silver PMMA	4007841 672218
EAN L 691 LED aluminium-anthracite PMMA	4007841 672317
EAN L 691 LED aluminium-silver, glass	4007841 671716
EAN L 691 LED aluminium-anthracite, glass	4007841 671815
Dimensions (H x W x D)	304.5 x 291 x 126 mm
Power supply	230 - 240 V, 50 Hz
Sensor type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



L 691 LED detection zone
Mounting height 2.8 m
black = tangential walking direction
orange = radial walking direction



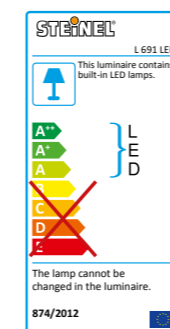
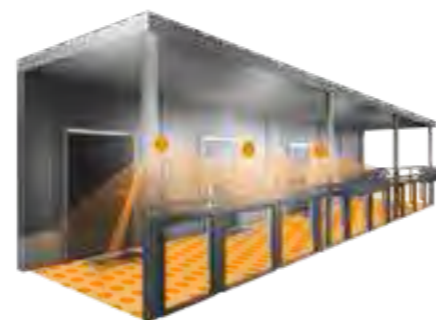
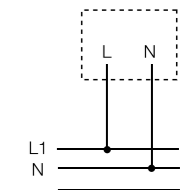
Light distribution curve for L 691 LED



aluminium-silver



aluminium-anthracite



Including STEINEL
LED system



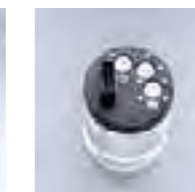
Intelligent
soft light start



Optional basic
light level 20 %



Sensor with 4 intelli-
gent programmes



High-quality aluminium





The classic lights.

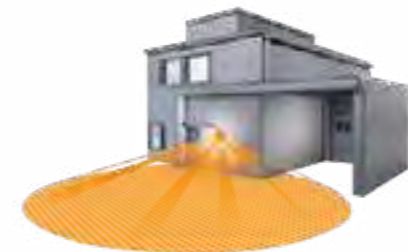
Outdoor sensor lights with G27 lampholder.

The classic globe light and traditional lantern from the STEINEL Professional range are the public's firm favourites. Doubtlessly also because this is where persistently valued style and modern technology complement each other to create products that always impress. And talking of persistence: glass shades in hand-blown crystal or triopal glass as well as weather-resistant materials are also values that rise above any short-lived design trend.

L 400S · L 410S

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. The L 400S shares its design with the L 410S outdoor SensorLight. The only difference being: the matt-finish opal glass shade that gives the light more of a serene and understated look.



max. 60W

E27



infrared sensor 240°



max. 12m



IP 44



2-2000 lux



10sec-15min

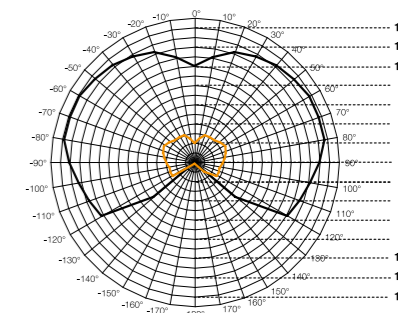
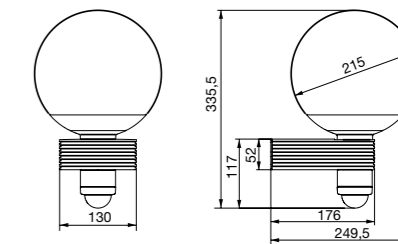


energy saving

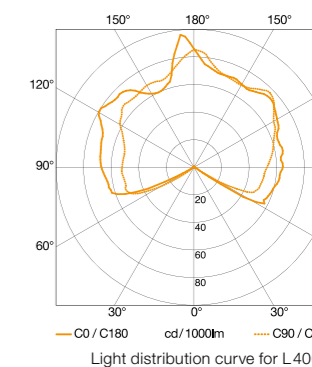


functional warranty

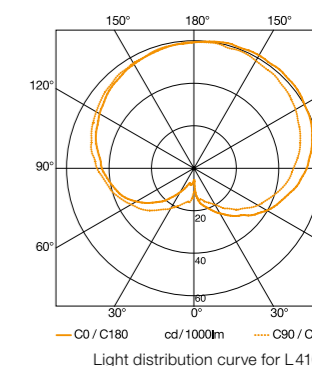
EAN L 400 S white	4007841 611118
EAN L 400 S black	4007841 611019
EAN L 410 S white	4007841 612511
EAN L 410 S black	4007841 612412
Dimensions (H x W x D)	335.5 x 215 x 249.5 mm
Power supply	220 - 240 V, 50/60 Hz
Sensor type	Passive infrared
Output	60 W max. / E27
Angle of coverage	240° with 180° angle of aperture
Capability of masking out individual segments	Yes
Reach	12 m max. (temperature-stabilised)
Sensor system	5 detection levels, 276 switching zones
Response light level	.2 - 2000 lx
Time setting	10 sec. - 15 min.
Basic light level	0 % - 50 %
IP rating	IP44
Protection class	II
Temperature range	-20 - +40 °C
Material	UV-resistant plastic
Complete with lamp	No
Lamp replaceable	Yes



L 400S · L 410S detection zone
Mounting height 2.8 m
black = tangential walking direction
orange = radial walking direction



Light distribution curve for L 400S



Light distribution curve for L 410S

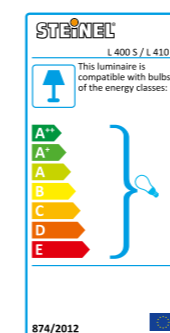
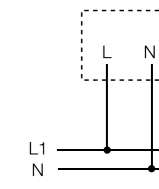


L 400 S white

L 400 S black

L 410 S white

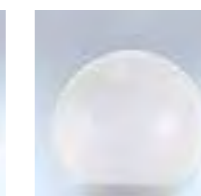
L 410 S black



Crystal glass shade (400)



Opal glass shade (410)



Optional basic lighting level 0-50 %



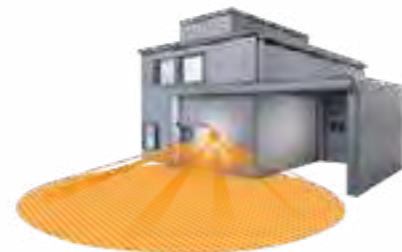
UV-resistant plastic



L430S

**A bygone style reinterpreted.
In form and technology.**

The lantern design is also a popular style of lighting in entrance areas. The unadorned, classic design of this SensorLight possesses the charm of bygone days. STEINEL has modernised the classic shape, giving it an understated look that also harmonises with contemporary architecture, putting it on the cutting edge of technology, including 240° infrared sensor and E27 lampholder.

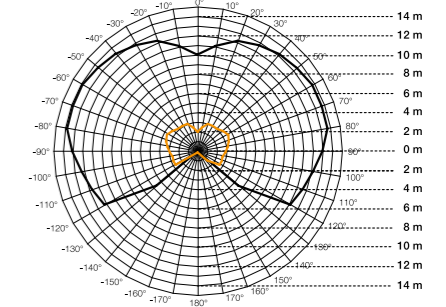
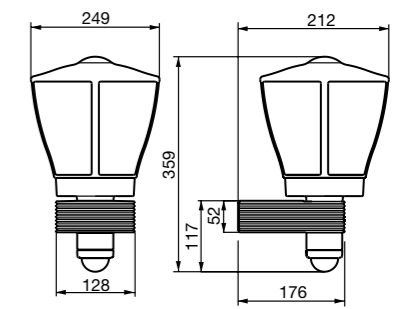


max. 60W

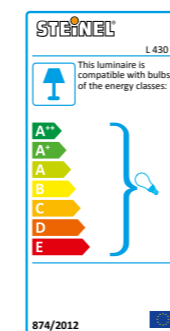
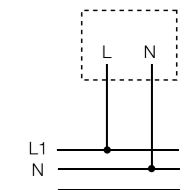
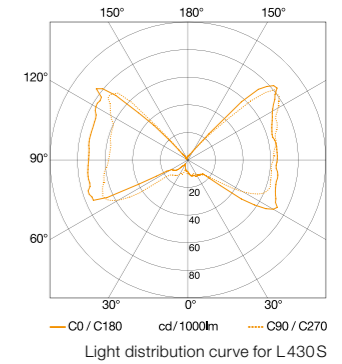
E27



EAN L 430 S white	4007841 612917
EAN L 430 S black	4007841 612818
Dimensions (H x W x D)	359 x 249 x 212 mm
Power supply	220 - 240 V, 50/60 Hz
Sensor type	Passive infrared
Output	60 W max. / E27
Angle of coverage	240° with 180° angle of aperture
Capability of masking out individual segments	Yes
Reach	12 m max. (temperature-stabilised)
Sensor system	5 detection levels, 276 switching zones
Response light level . . . . .	.2 - 2000 lx
Time setting	10 sec. - 15 min.
Basic light level	0 % - 50 %
IP rating	IP44
Protection class	II
Temperature range	-20 - +40 °C
Material	UV-resistant plastic
Complete with lamp	No
Lamp replaceable	Yes



L430S detection zone
Mounting height 2.8 m
black = tangential walking direction
orange = radial walking direction



Crystal glass shade



Optional basic lighting level 0-50 %



UV-resistant plastic



L 870 S

**A strong recommendation.
With a tough exterior.**

Lights at the entrances of apartment blocks, residential complexes or commercial buildings are exposed, often making them the target of vandalism and wilful damage. The L 870 S knows how to defend itself. The sensor is protected by a grille and the plastic shade in extremely sturdy, impact-resistant polycarbonate material guards the STEINEL Professional multi-lens technology against the use of force. Sloping upwards, the trim panel also makes it impossible to stand or hang objects on it.



max. 60W

E27



infrared sensor 180°



max. 12m



IP 44



2-2000 lux



5 sec - 15 min

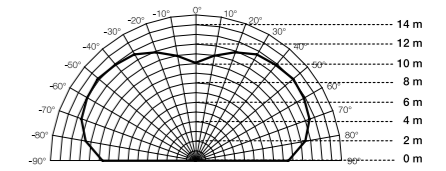
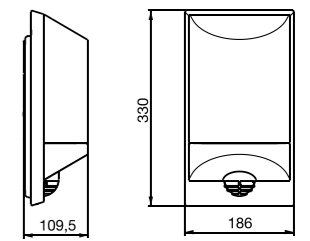


energy saving

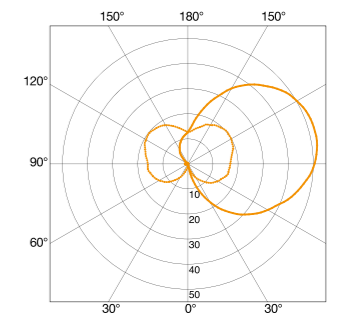


functional warranty

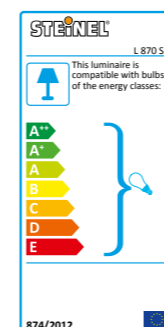
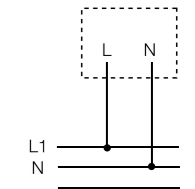
EAN L 870 S white	4007841 643218
EAN L 870 S grey	4007841 642716
Dimensions (H x W x D)	330 x 186 x 109.5 mm
Power supply	230 - 240 V, 50 Hz
Sensor type	Passive infrared
Output	60 W max. / E27
Angle of coverage	180° with 90° angle of aperture
Capability of masking out individual segments	Yes
Reach	2 basic settings: 12 m max. or 5 m max.
Sensor system	10 detection levels (12 m), 9 detection levels (5 m), 480 switching zones (12 m), 412 switching zones (5 m)
Response light level	.2 - 2000 lx
Time setting	.5 sec. - 15 min.
Basic light level	0 % - 50 %
Soft light start	Yes
Manual override	Selectable, 4 h
IP rating	IP44
Protection class	II
Impact resistance	IK07
Temperature range	-20 - +40 °C
Material	UV-resistant plastic
Lamp	All-purpose lamp
Complete with lamp	No
Lamp replaceable	Yes



L 870 S detection zone
Mounting height 2.8 m
black = tangential walking direction



Light distribution curve for L 870 S



Intelligent soft light start



Optional basic light level 25 %



Impact-resistant material rated to IK07



UV-resistant plastic





Wireless sensor technology can be used to combine indoor and outdoor lighting to provide high-efficiency lighting management.

Wireless Sensor Technology - Indoors and Outdoors



IS-FS 300



IR Quattro Impulser



RC400

Transmitter	•	•	•
Indoors	•	•	•
Outdoors	•		•
Installation height	2.00 m	2.50 – 3.50 m	
Type of installation	Wall mounting	Ceiling mounting	
Operating voltage/output	9 V block battery	9 V block battery	3 x 1.5 V AAA batteries
Sensor detection zone	300°	7 x 7 m (49 m²)	
Sensor reach	12 m max.		
Optional accessories / special features	Corner wall mount	Guard cage, surface-mounted adapter, clamp-type ceiling adapter	
Page	284	286	294



XLED-FE 25



XLED-FE 10



FE 8100



FE 8200



Wireless module MF1

Receiver	•	•	•	•	•
Indoors			•	•	•
Outdoors	•	•	•		•
Installation height					
Type of installation	Wall mounting	Wall mounting	Surface-mounted installation	Concealed installation	plugs into sensIQ, RS PRO 1000 and RS PRO 2000
Operating voltage/output	25 LEDs, 62 W	10 LEDs, 30 W	1000 W max.	1000 W max.	
Page	288	290	292	293	295



The wireless sensor family communicates without cords or cables. Wireless transmission at 868.3 MHz also makes this reliable and eliminates interference. The combination of cutting-edge sensor technology and intelligent process control copes with the most exacting of applications.

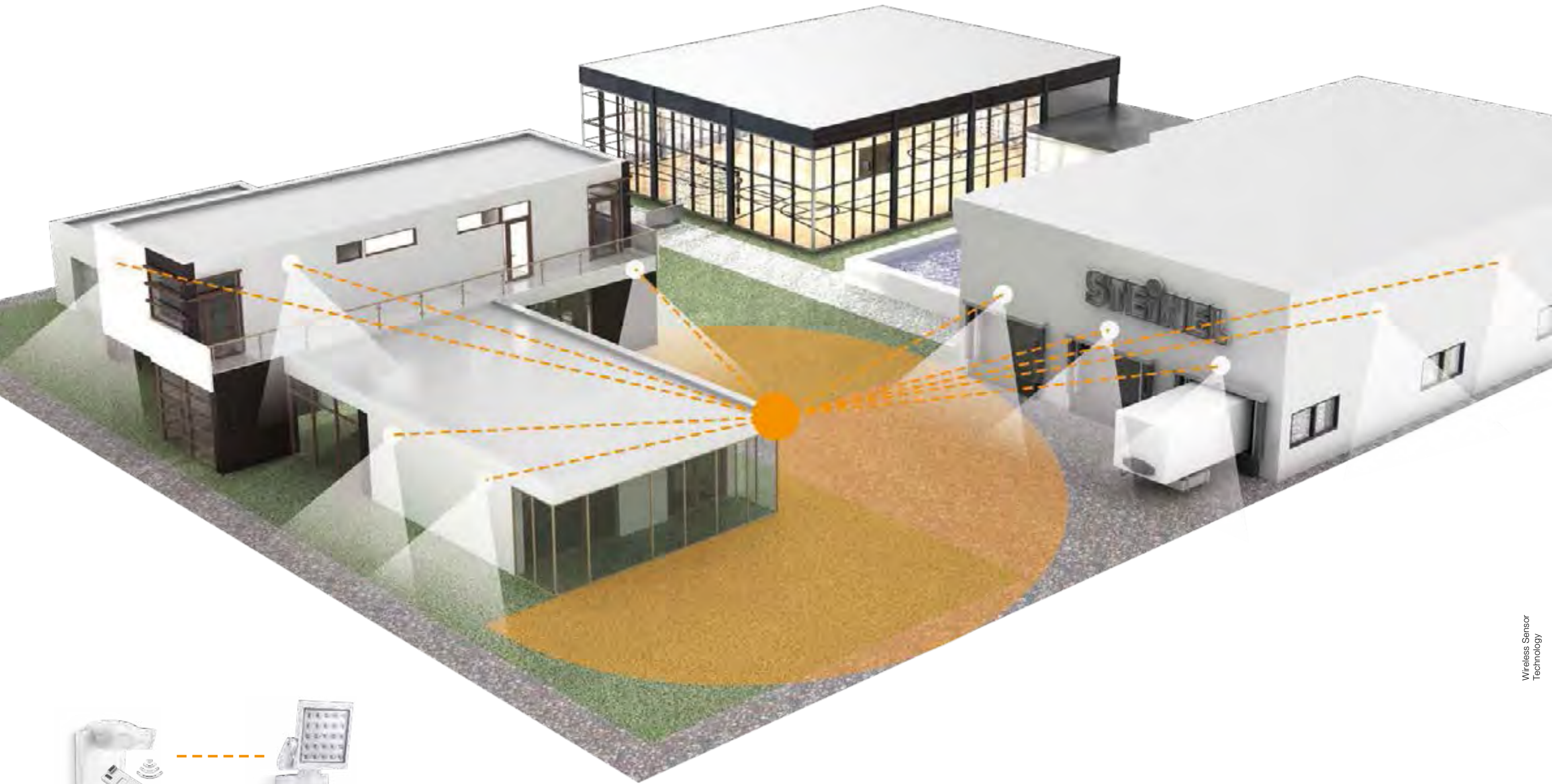
The products can be installed quickly and easily. Wireless systems of light and sensor are particularly suitable for use in corridors, for WCs, cloakrooms, stairwells or for watching over outdoor areas and buildings. Motion detectors and intelligent, interconnected lights can be retrofitted without a problem, e.g. in refurbishments.

STEINEL's wireless range features sensors, outdoor floodlights, remote controls and modules. This provides the basis for integrating sensors and lights from the RS PRO series in wirelessly interconnected lighting automation systems. In other words, both indoor and outdoor lighting can be combined to provide seamless, high-efficiency lighting management.

At the core of the range is ultramodern 868.3-MHz wireless technology. The ISM frequency band is unique in the way it provides interference-free and reliable wireless communication between individual components. It allows you to set as many as 32 addresses per component. Although the ON command from a sensor or remote control is sent to all wireless modules in the transmission zone, only receivers with the same address respond to it.

- Simple and fast cordless installation for a high level of flexibility while also saving mounting costs
- Easy options for combining transmitters and receivers to create complex configurations
- Energy efficiency and cost-savings from innovative and forward-looking wireless technology
- Wireless communication permits retrofit installation (e.g. in refurbishment) of motion detectors and intelligent lights
- Control for on-demand lighting and ventilation
- Use of the 868-MHz band to ensure safe, reliable and no-interference wireless communication.

Innovative and made with the future in mind: discover the Steinel wireless range.



The sensIQ with wireless MF 1 module operates all XLED-FE floodlights on building without the need for cables.












IS-FS 300

Battery-operated.

With a transmitter range of up to 100 m.

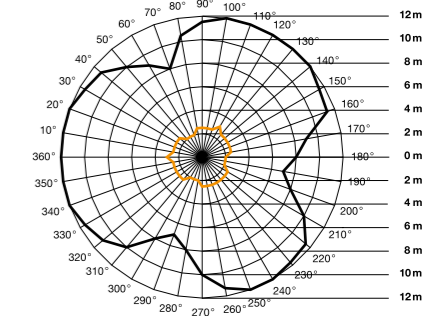
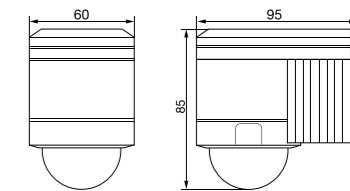
With its horizontal detection angle of 300°, the battery-operated IS-FS 300 wireless motion detector can literally see round corners and watch over areas of a good 300 m² in size. Its transmission power is equally as impressive: up to 100 m in the open and up to 30 m indoors.



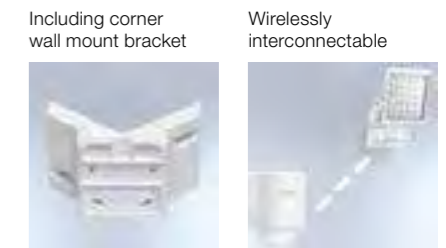
-  infrared sensor 300°
-  max. 12m
-  9V battery powered
-  IP 54
-  ideal 2m
-  80° horizontal
-  2-2000 lux
-  1 min-15 min
-  free field max. 100m
in building Ø 30m
-  energy saving
-  5 JAHRE GARANTIE
functional warranty

EAN IS-FS 300 white	4007841 705213
EAN IS-FS 300 black	4007841 704711
Type	Motion detector
Dimensions (H x W x D) . . . . .	.85 x 60 x 95 mm
Operating voltage	9 V block battery (alkaline)*,
.	min. life 12 months**
Installation . . . . .	.Wall, corner
Recommended installation height	2.00 m
Detection angle	300° horizontal, 180° vertical
Capability of masking out individual segments	Yes
Sneak-by guard/coverage directly below the sensor	Yes
Adjustment range	± 80°
Reach	12 m max., electrically stabilised
Sensor system	10 detection levels, 720 switching zones
Operating frequency	868.3 MHz (ISM band)
Transmitter range	up to 100 m in the open, 30 m all round indoors
Transmitter power	less than 1000 µW
Programming	by 5-way DIP switch
.	32 possible addresses per channel
Number of receivers	any
Response light level . . . . .	.2 - 2000 lx
Time setting . . . . .	.1 min. - 15 min.
IP rating	IP54
Protection class	II
Temperature range	-20 - +50 °C

* At temperatures constantly < -20° C, we recommend using 9 V lithium batteries
** Depending on frequency of motion detection



Mounting height 2.5 m
black = tangential walking direction
orange = radial walking direction



IR Quattro Impulser

Indoor lighting automation. Any time and any place.

The battery-operated IR Quattro wireless presence detector has 1760 switching zones for excellent detection quality. Unique: Square-zone detection with the mechanical capability of infinitely scaling reach systematically controls detection zones, permitting precision planning. It is the most efficient way of bringing lighting automation to offices, classrooms, meeting rooms, training rooms, and conference rooms. You will also find a detailed product description on page 88. The battery-operated detector simply mounts to the ceiling. Signals are wirelessly transmitted to any STEINEL Professional Impulser receiver.

CONTROL
PRO
SYSTEM

IMPULSER
WIRELESS
868 Mhz



Infrared sensor



max. 4 m x 4 m
presence



9V battery
powered



2,5-3,5m



2-2000 lux



1 min - 15 min

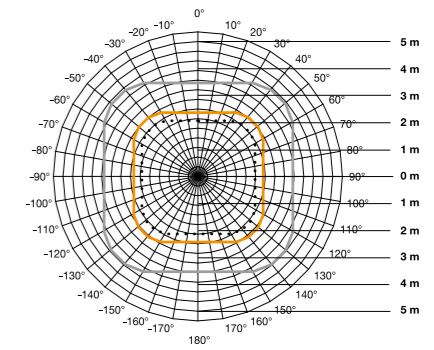
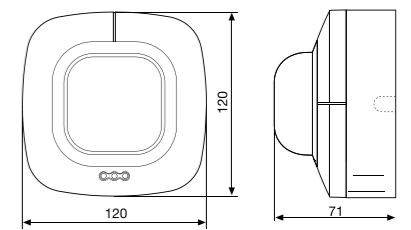


free field max. 100 m
in building Ø 30 m

5 JAHRE
GARANTIE

functional
warranty

EAN IR Quattro IMPULSER	4007841 592509
Type	Presence detector
Dimensions (H x W x D)	120 x 120 x 71 mm
Operating voltage	9 V block battery (lithium)
Sensor type	Passive infrared
Where to use	Indoors
Installation	Ceiling
Recommended installation height	2.5 - 3.5 m
Square presence detection zone	4 x 4 m (16 m ²) max.
Square detection zone, radially	5 x 5 m (25 m ²) max.
Square detection zone, tangentially	7 x 7 m (49 m ²) max.
Sensor system	13 detection levels, 1760 switching zones
Operating frequency	868.3 MHz (ISM band)
Transmitter range	up to 100 m in the open, 30 m all round indoors
Transmitter power	less than 1000 µW
Programming	by 5-way DIP switch
Number of receivers	32 possible addresses per channel
Response light level	.2 - 2000 lx
Time setting	1 min. - 15 min.
IP rating	IP20
Protection class	II
Temperature range	-25 - +55 °C
Enclosure	UV-resistant, paintable



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



Wirelessly
interconnectable



XLED-FE 25

Intelligent LED power.
Wirelessly interconnected.

Achieving maximum light output with minimal installation work. That's what STEINEL LED floodlights give you. The Impulser system makes the XLED-FE 25 receiver very easy to interconnect with others by wireless link. The integrated receivers can be programmed for receiving signals from as many as 8 STEINEL transmitters. This way, you too can make an energy saving of up to 70%.

LED
LONG LIFE

IMPULSER
WIRELESS
868 MHz



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

62w
4000lm
64,5lm/W

4100 K
cold-white

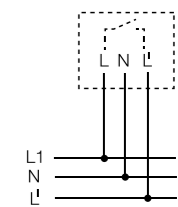
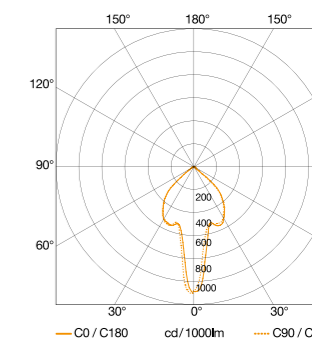
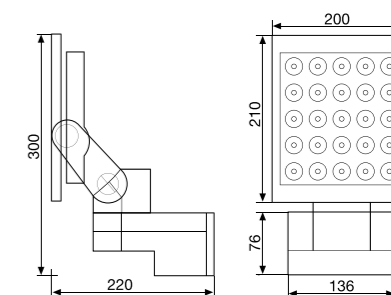
IP 44

270° horizontal/
200° vertical

energy saving

5 JAHRE GARANTIE
functional warranty

EAN XLED-FE 25 white	.....4007841 005788
EAN XLED-FE 25 black	.....4007841 005771
Dimensions (H x W x D)	.....300 x 200 x 220 mm
Power supply	..... 230 – 240 V, 50 Hz
Output	.....25 LEDs, approx. 62 W
Output (resistive load, e.g. ordinary lamp)	..... 800 W max.
Output (uncorrected, inductive, $\cos \phi = 0.5$, e.g. fluorescent lamps)	..... 400 VA max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	..... 4 each max., $C \leq 88 \mu F$
Brightness	..... 4000 lm
Efficiency	.....64.5 lm/W
Colour temperature	..... 4100K/SDCM 5
Colour rendering	..... Ra \geq 80
LED life expectancy	..... 50,000 h (L70B10 to LM80)
LED cooling system	..... Passive Thermo Control
Floodlight swivelling and tilting range	..... 270° (swivelling), 200° (tilting)
IP rating	.....IP44
Protection class	.....I
Material	.....Aluminium
Temperature range	..... -20 to +50 °C
With lamp	..... STEINEL LED system
Lamp replaceable	..... No
Operating frequency	..... 868.3 MHz (ISM band)
Programming	.....As many as 8 different transmitters
	..... can be programmed at the press of a button
Weight	..... 2.9 kg



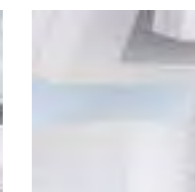
Including STEINEL LED system



Intelligent LED (ATC) cooling system



UV-resistant plastic



Wirelessly interconnectable



XLED-FE 10

**Wireless LED power.
Wirelessly interconnected.**

The Impulser system makes wirelessly interconnecting the XLED-FE 10 LED floodlight receiver very easy too. The integrated receivers can be programmed for receiving signals from as many as 8 STEINEL transmitters. This gives the option of generating maximum light output with minimal installation work. And making energy savings of up to 70% in the bargain.

**LED
LONG LIFE**

**IMPULSER
WIRELESS
868 Mhz**



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

30w
2000lm
66,6lm/W

4100 K
cold-white

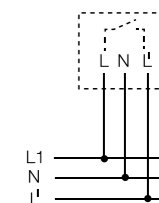
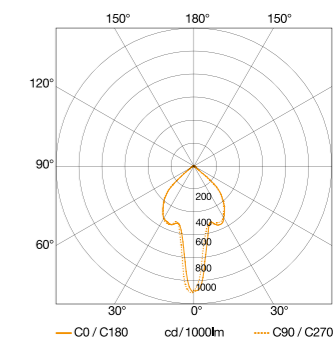
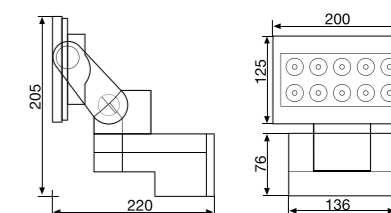
IP 44

270° horizontal/
200° vertical

energy saving

5 JAHRE GARANTIE
functional warranty

EAN XLED-FE 10 white	4007841 005764
EAN XLED-FE 10 black	4007841 005757
Dimensions (H x W x D)	205 x 200 x 220 mm
Power supply	230 – 240 V, 50 Hz
Output	10 LEDs, approx. 30 W
Output (resistive load, e.g. ordinary lamp)	800 W max.
Output (uncorrected, inductive, $\cos \phi = 0.5$, e.g. fluorescent lamps)	400 VA max.
Output (electronic ballasts, capacitive, e.g. low-energy lamps)	4 each max., $C \leq 88 \mu F$
Brightness	2000 lm
Efficiency	66.6 lm/W
Colour temperature	4100K/SDCM 5
Colour rendering	$Ra \geq 80$
LED life expectancy	50,000 h (L70B10 to LM80)
LED cooling system	Passive Thermo Control
Floodlight swivelling and tilting range	270° (swivelling), 200° (tilting)
IP rating	IP44
Protection class	I
Material	Aluminium
Temperature range	-20 to +50 °C
With lamp	STEINEL LED system
Lamp replaceable	No
Operating frequency	868.3 MHz (ISM band)
Programming	As many as 8 different transmitters can be programmed at the press of a button
Weight	2.2 kg



white



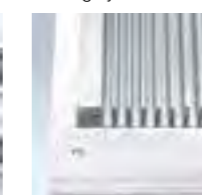
black



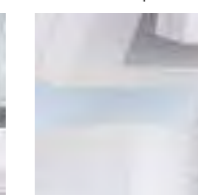
Including STEINEL LED system



Intelligent LED (ATC) cooling system



UV-resistant plastic



Wirelessly interconnected



FE8100

**For receiving as many as 8 transmitters.
And for surface-mounted installation.**

Receives signals from STEINEL Professional wireless transmitters with up to 8 different addresses. All this involves is assigning the relevant transmitters to them first.



IP 54



functional warranty

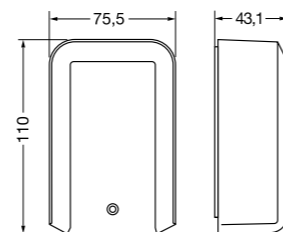


white



black

EAN FE 8100 white 4007841 705510
 EAN FE 8100 black 4007841 705114
 Dimensions (H x W x D) 110 x 75,5 x 43 mm
 Type of installation surface-mounted installation
 Material Plastic
 Power supply 230 – 240 V, 50 Hz
 Output (resistive load, e.g. ordinary lamp) 1000 W max.
 Output (uncorrected, inductive,
 cos ϕ = 0.5, e.g. fluorescent lamps) 500 W max.
 Temperature range -20 - +50 °C
 IP rating IP54
 Protection class II
 Operating frequency 868.3 MHz (ISM band)
 Programming As many as 8 different transmitters
 can be programmed at the press of a button



FE8200

**For receiving as many as 8 transmitters.
And for concealed installation.**

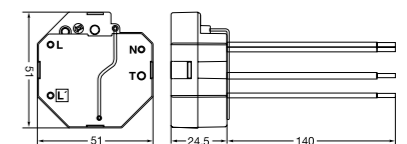
On the practical side, it has a potentiometer for setting the operating mode (normal and pulse mode), a button for the programming mode and an LED.



functional warranty



EAN FE 8200 4007841 000455
 Dimensions (H x W x D) 51 x 51 x 24.5 mm
 Type of installation concealed installation
 Material Plastic
 Power supply 230 – 240 V, 50 Hz
 Connection lead 1 x N, 1 x L, 1 x L, 1 x button
 Output (resistive load, e.g. ordinary lamp) 1000 W max.
 Output (uncorrected, inductive,
 cos ϕ = 0.5, e.g. fluorescent lamps) 500 W max.
 Temperature range -20 - +50 °C
 IP rating IP20
 Protection class II
 Operating frequency 868.3 MHz (ISM band)
 Programming As many as 8 different transmitters
 can be programmed at the press of a button



RC 400

Simply practical.

Convenient four times over.

Hard to believe how much convenience and independence fits into your pocket. The RC 400 remote control puts you in full command. Activate and deactivate STEINEL motion detectors, presence detectors, LED and halogen floodlights with wireless receivers simply at the press of a button. The hand set's 4 channels can be assigned in any way you choose.



EAN RC 400	4007841704810	CE
Dimensions (H x W x D)	107 x 40,5 x 20 mm	
Operating voltage	3 x 1,5 V battery, type AAA	Germany
Transmitter range	up to 100 m in the open, 30 m all round indoors	
Permanent switching function	ON/OFF	
IP rating	IP20	
Operating frequency	868.3 MHz (ISM band)	
Transmitter power	less than 1000 µW	
Programming	by 5-way DIP switch, 32 possible addresses	
Number of receivers	any	

MF 1

Unlimited communication.

In both directions.

Say goodbye to the need for permanently installed switching cables. The MF1 wireless modules let you conveniently and reliably interconnect the motion detector from the sensIQ reference class with RS PRO 1000 and RS PRO 2000 indoor SensorLights on the basis of bidirectional wireless links to create switching groups.



free field max. 100m
in building Ø 30m



EAN MF 1	4007841736712	CE
Dimensions (H x W x D)	75 x 35 x 16 mm	
Mains connection	via sensIQ or RS PRO 1000/2000	Germany
Operating frequency	868.3 MHz (ISM band)	
Transmitter range	up to 100 m in the open, 30 m all round indoors	
Transmitter power	less than 1000 µW	
Programming	by 5-way DIP switch, 32 possible addresses	
Number of receivers	any	

Smart Remote Control

One for all.

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

It's good that many STEINEL sensors and SensorLights can be controlled so conveniently. Even better: one device now replaces all remote controls – the new Smart Remote. Simply download the appropriate app onto a smartphone or tablet, connect via Bluetooth and put an end to looking for the right remote control once and for all. That's pretty smart.



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

Device is ready to use

The Smart Remote replaces the following remote controls:

IR remote control RC1, RC2, RC3, RC4, RC5, RC6, RC7, RC8, RC9, RC10

You can use the Smart Remote to control the following products:

sensIQ, sensIQ S, iHF 3D, IR Quattro HD, IR Quattro, HF360, Dual HF, IR Quattro SLIM, RS PRO LED Q1, Downlight RS PRO DL LED 15/22W, US 360, Dual Tech, Single US, Dual US, RS PRO 5800, RS PRO 5850, RS PRO 5000, RS PRO 5002, RS PRO 5100, RS PRO 5200, RS PRO 5500





IR remote control RC1

- Twilight response threshold is set at the press of a button. The current setting can be changed as often as you wish.
- Holiday function, manual override, permanent light OFF
- Controlling the optional soft start module

EAN 4007841 601416



IR remote control RC9

- Response brightness
- Time delay
- Reset
- Install mode
- Permanently OFF/ON (4h) + TEACH mode

EAN 4007841 007638



Floating module MPF

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

EAN 4007841 609115



Soft-start module MS 1

- Gently switches light ON and OFF
- Basic brightness (if required until the middle of the night)
- Connection of an additional load (100 W max.)
- Soft-start/dimming by reverse phase

EAN 4007841 600815



Wireless module MF1

- Convenient actuation of receivers (indoors/outdoors)
- Bidirectional (transmitter/ receiver)
- Suitable for indoor and outdoor use

EAN 4007841 736712



Corner wall mount for sensIQ

EAN white 4007841 601966
 EAN stainless steel 4007841 602062
 EAN black 4007841 600969



Corner wall mount for sensIQ S

EAN white 4007841 608835
 EAN stainless steel 4007841 608804
 EAN black 4007841 608828



sensIQ

sensIQ S

sensIQ S KNX

iHF 3D

IR remote control RC 1	EAN 4007841 601416	•	•	•	
IR remote control RC 9	EAN 4007841 007638				•
Floating module MPF 1	EAN 4007841 609115	•			
Soft start module MS 1	EAN 4007841 600815	•			
Wireless module MF 1	EAN 4007841 736712	•			
sensIQ corner wall mount, white	EAN 4007841 601966	•			
sensIQ corner wall mount, stainless steel	EAN 4007841 602062	•			
sensIQ corner wall mount, black	EAN 4007841 600969	•			
sensIQ S corner wall mount, white	EAN 4007841 608835		•	•	
sensIQ S corner wall mount, stainless steel	EAN 4007841 608804		•	•	
sensIQ S corner wall mount, black	EAN 4007841 608828		•	•	



IR service remote control RC 8

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

EAN 4007841 559410



IR user remote control RC 5

- Reset function at 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 RC 6 KNX

- Reach setting HF
- Stay-ON time, switching contact 1, light
- Stay-ON time, switching contact 2 (HVAC)
- Twilight setting
- Reset function at 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 at potentiometer and DIP settings

EAN 4007841 592912



Guard cage

- It provides protection from damage, e.g. from balls or vandalism.

EAN 4007841 003036



HF ceiling adapter for installation in suspended ceilings

- Concealed installation
- Protected from vandalism
- Without daylight calibration

EAN 4007841 006600



Surface-mounting adapter AP Box

- The surface-mounting adapter Control PRO AP Box is provided for simplifying surface-mounting presence detectors. With four-wire cable entry and large wiring compartment, installation is convenient and requires hardly any effort. It provides protection rating to IP 54.

EAN 4007841 593018



Surface-mounting adapter AP Box KNX

- Also featuring four-wire cable entry and a large wiring compartment, the surface-mounting adapter is suitable for surface-mounting the KNX connection options.

EAN 4007841 592912



IR Quattro HD IR Quattro HF360 Dual HF IR Quattro SLIM

Service remote control RC8	EAN 4007841 559410	•	•	•	•	•
User remote control RC5	EAN 4007841 592806	•	•	•	•	•
HF ceiling adapter	EAN 4007841 006600			•	•	
Surface-mounting adapter AP Box	EAN 4007841 000363	•	•	•	•	
Kaiser junction box for false ceilings	EAN 4007841 000370	•	•	•	•	
Clamping-type ceiling adapter	EAN 4007841 002855	•	•	•	•	
Guard cage	EAN 4007841 003036	•	•	•	•	
6m 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	•	•	•	•
Surface-mounting adapter AP Box	EAN 4007841 000363	•	•	•	•
Kaiser junction box for false ceilings	EAN 4007841 000370	•	•	•	•
Clamping-type ceiling adapter	EAN 4007841 002855	•	•	•	•
Guard cage	EAN 4007841 003036	•	•	•	•



IR Quattro HD KNX IR Quattro KNX HF360 KNX Dual HF KNX IR Quattro SLIM KNX

Service remote control RC6 KNX	EAN 4007841 593018	•	•	•	•	•
User remote control RC7 KNX	EAN 4007841 592912	•	•	•	•	•
HF ceiling adapter	EAN 4007841 006600			•	•	
Surface-mounting adapter AP Box KNX	EAN 4007841 000329	•	•	•	•	
Kaiser junction box for false ceilings	EAN 4007841 000370	•	•	•	•	
Clamping-type ceiling adapter	EAN 4007841 002855	•	•	•	•	
Guard cage	EAN 4007841 003036	•	•	•	•	
6m extension cable	EAN 4007841 006419					•

Accessories for RS PRO



Orientation light module MLED1 with 25 LEDs

- LEDs for automatic orientation light

This module provides orientation light from LEDs while the sensor light is not detecting movement. This way, a room doesn't look completely dark from a distance. Orientation light only works when supplied with mains power. As soon as movement is detected, the light switches over to main light.

EAN 4007841 732813



Orientation light module (rechargeable battery-powered) MLED 1A

- LEDs for automatic orientation light
- Automatic battery-powered operation in the event of mains power failure

In the battery-powered version, the orientation light is charged from mains power and then operates in the same way as the MLED1 version. The clever part: in the event of a power cut, the module automatically switches over to battery-powered operation. The LEDs shine irrespectively of ambient brightness and help to show the way.

EAN 4007841 732912



Emergency light module with 3 LEDs

- Connection to the emergency power system
- three power LEDs
- For plugging into the light
- VDE certified, EN 60598-2-22

The emergency light module provides light in the event of a mains power supply failure or fault (230 volts). It is equipped with 3 power-LEDs for bright light when it's really needed.

EAN 4007841 002626



Wireless module MF1

- Convenient actuation of receivers (indoors/outdoors)
- Bidirectional (transmitter/ receiver)
- Suitable for indoor and outdoor use

EAN 4007841 736712



Designer ring

- in white and silver

Please refer to the adjacent table for the EAN number.



Designer ring AV

- Prevents fingers from getting in behind the base

Please refer to the adjacent table for the EAN number.



IR remote control RC2

The practical and clearly set-out remote control is an extremely valuable aid for controlling our lights. There's no longer any need to make all the settings on the light before you close the cover. Using the remote control, settings are easily adjusted or changed at any time without a ladder. The main parameters can be selected at the press of a button: sensor reach, time and twilight setting, light ON time at night, manual override or the sensitivity of the sensor.

EAN 4007841 737818



IR service remote control RC 10 for RS PRO 5800/5850 LED

- Time delay
- Response brightness
- HF reach
- Basic light-level function
- Swarm function
- Install mode
- Remote Group Setting
- Reset

EAN 4007841 008925



IR service remote control RC 10 for RS PRO LED Q1

- Time delay
- Response brightness
- HF reach
- Basic light-level function
- Install mode
- Remote Group Setting
- Reset

EAN 4007841 007645



RS PRO 2000 RS PRO 1000 RS PRO 500 RS 50

Orientation light module MLED1 with 25 LEDs	EAN 4007841 732813	•	•	•	
Orientation light module (rechargeable battery) MLED 1A	EAN 4007841 732912	•	•	•	
Emergency light module with 3 LEDs	EAN 4007841 002626	•	•	•	
Wireless module MF 1	EAN 4007841 736712	•	•		
Designer ring, white / silver	EAN 4007841 000325 / EAN 4007841 000332	•			
Designer ring, white / silver	EAN 4007841 000301 / EAN 4007841 000318		•		
Designer ring, white / silver	EAN 4007841 000288 / EAN 4007841 000295			•	•



RS PRO 2000 IP65 RS PRO 1000 IP65 RS PRO 500 IP65

Orientation light module MLED1 with 25 LEDs	EAN 4007841 732813	•	•	•	
Orientation light module (rechargeable battery) MLED 1A	EAN 4007841 732912	•	•	•	
Emergency light module with 3 LEDs	EAN 4007841 002626	•	•	•	
Wireless module MF 1	EAN 4007841 736712	•	•	•	



RS PRO 5800 LED RS PRO 5500 RS PRO 5000 RS PRO 5100
 RS PRO 5850 LED RS PRO 5002 LED RS PRO 5200

Remote control RC2	EAN 4007841 737818		•	•	•
Remote control RC10	EAN 4007841 008925	•			



RS PRO LED Q1 RS PRO LED S1 IP65 RS PRO LED S2 IP65 Downlight RS PRO DL LED 15/22 W

Remote control RC2	EAN 4007841 737818				•
Remote control RC10	EAN 4007841 007645	•			
Designer ring AV S1	EAN 4007841 667511		•		
Designer ring AV S2	EAN 4007841 667610			•	

Sensor Technology at a Glance

1. Motion Detectors	20	4. Solar Lights	216
2. Presence Detectors	72	5. Sensor-Switched Floodlights for Outdoors	226
3. High-Frequency SensorLights for Indoors	136	6. SensorLights for Outdoors	250
		7. Wireless Sensor Technology	278



Visit our interactive 3D campus
at www.steinel-professional.de

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

Passive infrared

Responds to moving sources of heat.



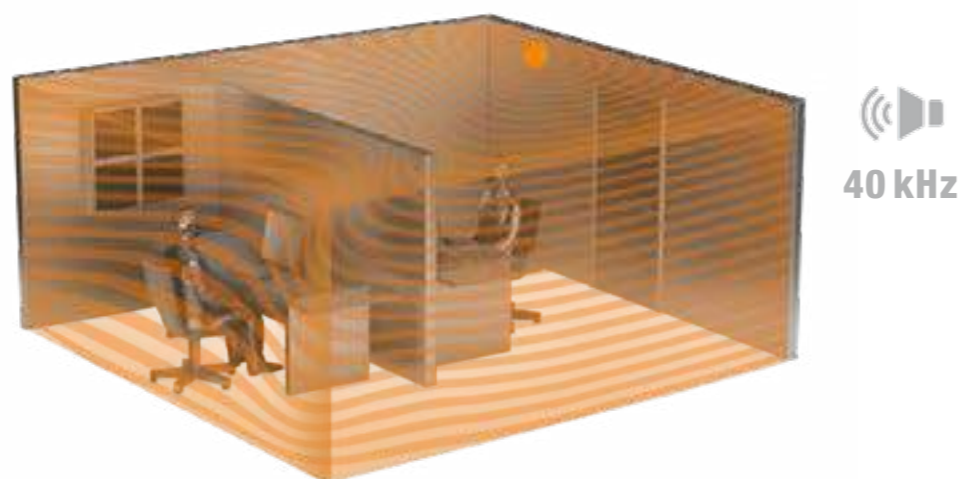
High frequency

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.



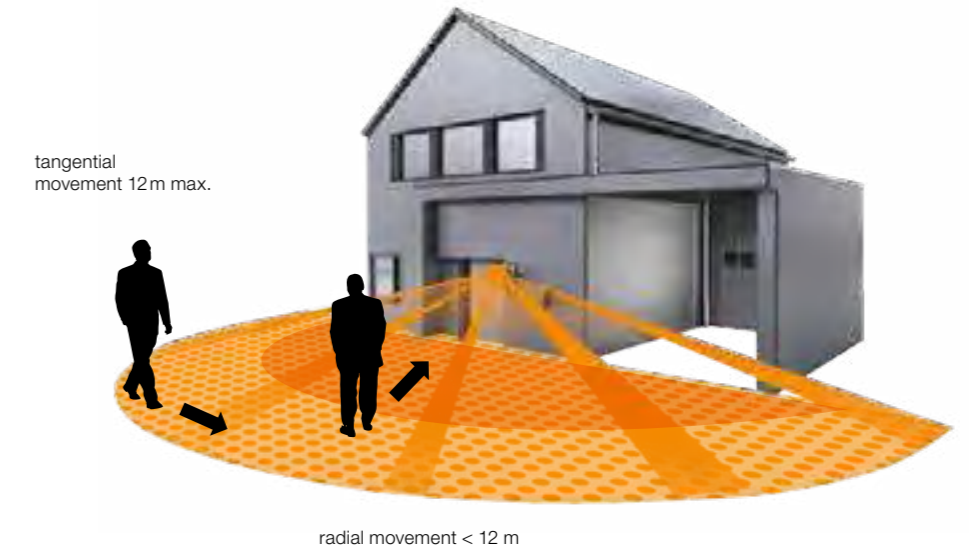
How does it work:

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.



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

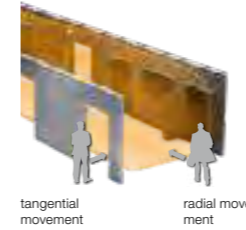
STEINEL high-frequency sensors detect movements irrespectively of body temperature and direction of movement. They provide complete coverage and switch light ON instantly. Integrated into the light to leave them invisible from the outside, lights can be created in particularly attractive designs, especially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



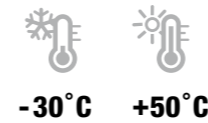
Penetrating detection

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



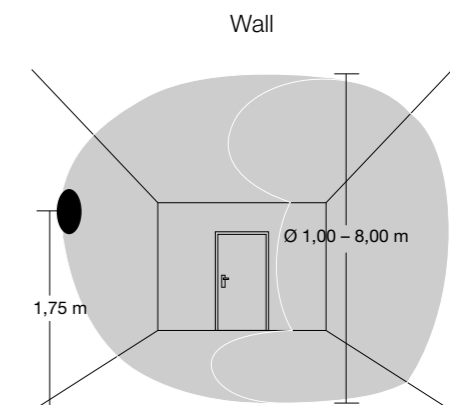
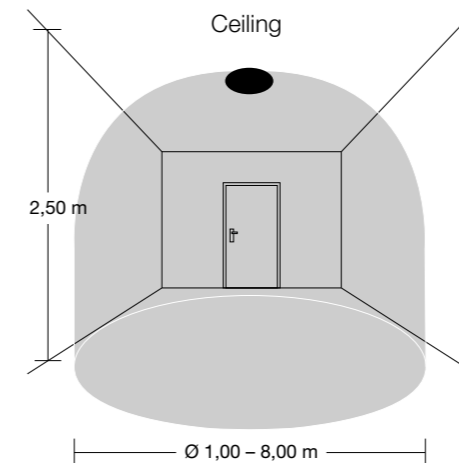
Optional concealed installation

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.



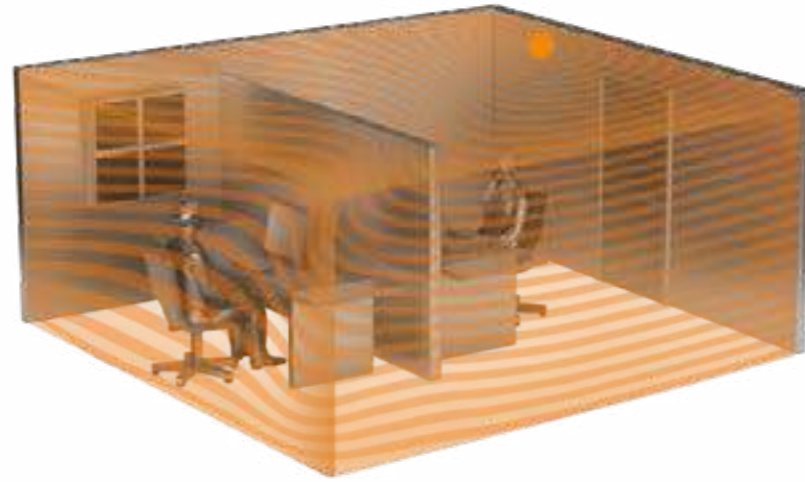
Perfect whether cold or hot

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.



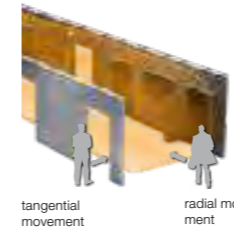
US 360

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.



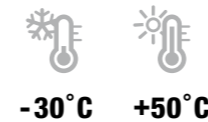
Fills the entire room

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.



HPD 1

This is how it works:

STEINEL HPD1 is the world's first sensor that's 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 model generated from 120,000 stored images. This is constantly compared with the images actually taken (3 per second) and analysed. As a result, the innovative camera sensor reports how many people are present in a room, and always in real time. Even in the dark, thanks to powerful IR LEDs. Needless to say, the image data is protected at all times from unauthorised access.

Application - Indoors

Possible Uses in Building Automation.



Advantage no. 1: Zone definition

The HPD 1's detection zone can be confined to a precisely defined area. Making it possible, for instance, to mask out interference from foot traffic passing through. A maximum of 3 different zones can be selected by software when setting up the system.



Persons: 3

Advantage no. 2: Detecting persons

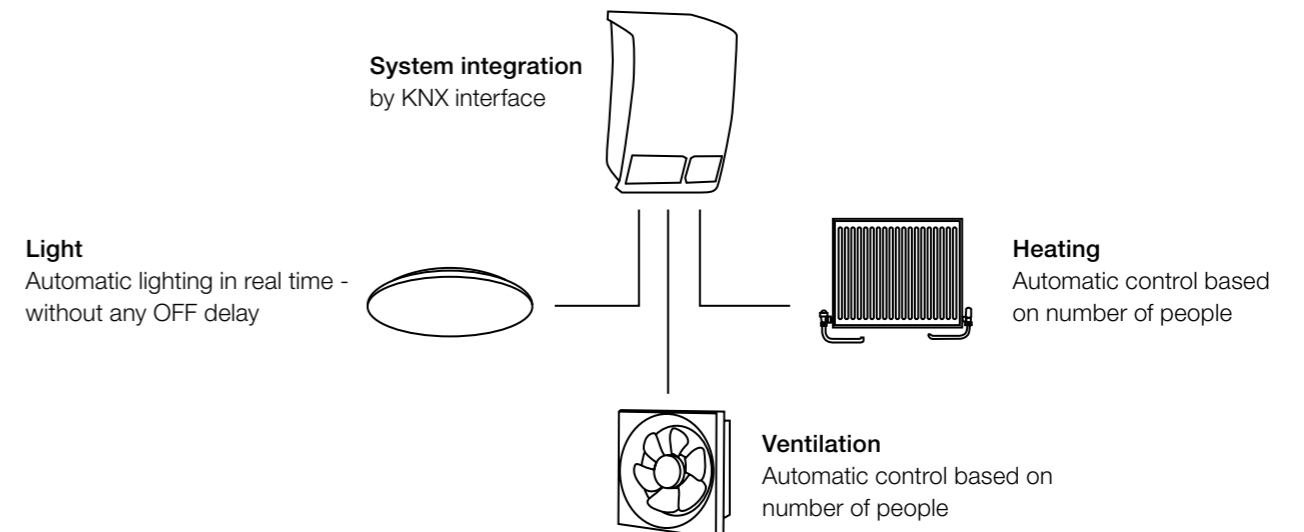
For the first time it's now possible to detect a person without the involvement of any movement. Although not moving, persons are detected no matter whether they are sitting or standing. With detection as precise as this, erroneous triggering is virtually ruled out. Lighting stay-ON times can also be kept to a minimum.



Persons: 2

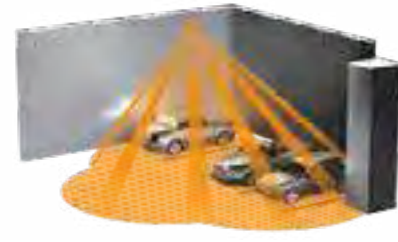
Advantage no. 3: Counting people

Not only can the HPD 1 detect people but it can also see how many of them are present. Its reach of 10m makes it suitable for conference rooms as well as corridors. Powerful IR LEDs provide this function even in the dark. Information is delivered through the built-in relays or KNX interface.



Differences between Motion Detector, Presence Detector, Human Presence Detector

Detection zones with motion detectors



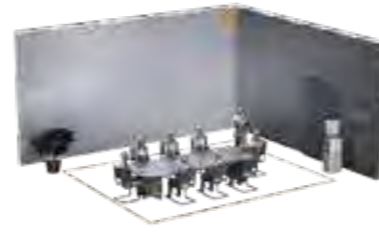
Situation: multi-storey car park, detection by the IS 3360

Detection zones with presence detectors



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

Detection zones for camera sensor



Situation: conference room, detection by HPD 1. Number of persons is detected.



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

Dynamic means effective: Motion Detectors

Motion detectors respond to walking movements. They perceive these in the selected detection zone and respond to them: this means light is switched ON when a movement is detected once ambient light levels fall below a preselected threshold. Light switches OFF again after the period you set. Their use is recommended for detecting moving objects outdoors or in thoroughfares 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 preselected level. Light is switched ON when ambient light falls below a specific threshold while people are present. If it's bright enough, light is automatically switched OFF even if people are 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

Human Presence Detector HPD 1 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. The HPD 1's detection zone can be confined to a precisely defined area. 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. Outdoors, animals often trigger conventional motion detectors unnecessarily. This can't happen with the Human Presence Detector because it only responds to human beings. Information is delivered through a KNX interface or relay. This now opens up completely new application options in building automation, particularly from the information on "number of persons present".

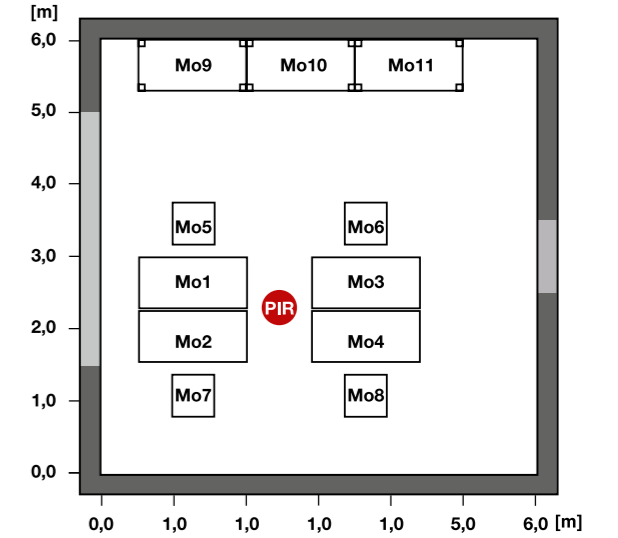
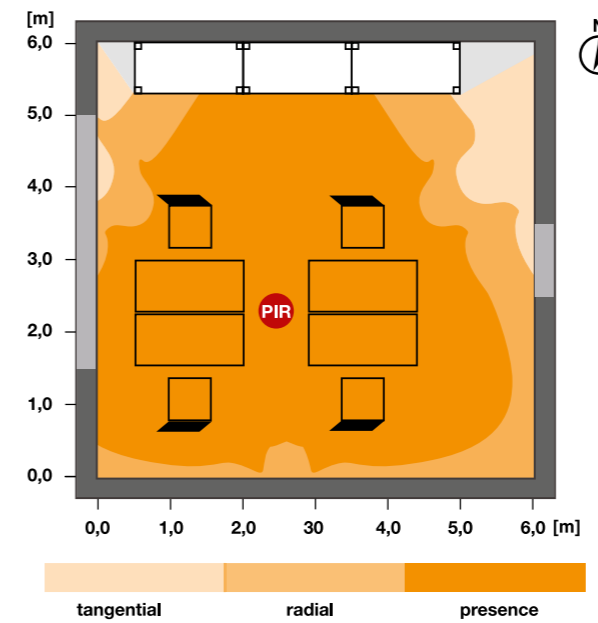
Motion Detectors

Presence Detectors

Human Presence Detectors

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

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



Actual energy savings calculated for your personal situation.

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

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

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

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



RELUX

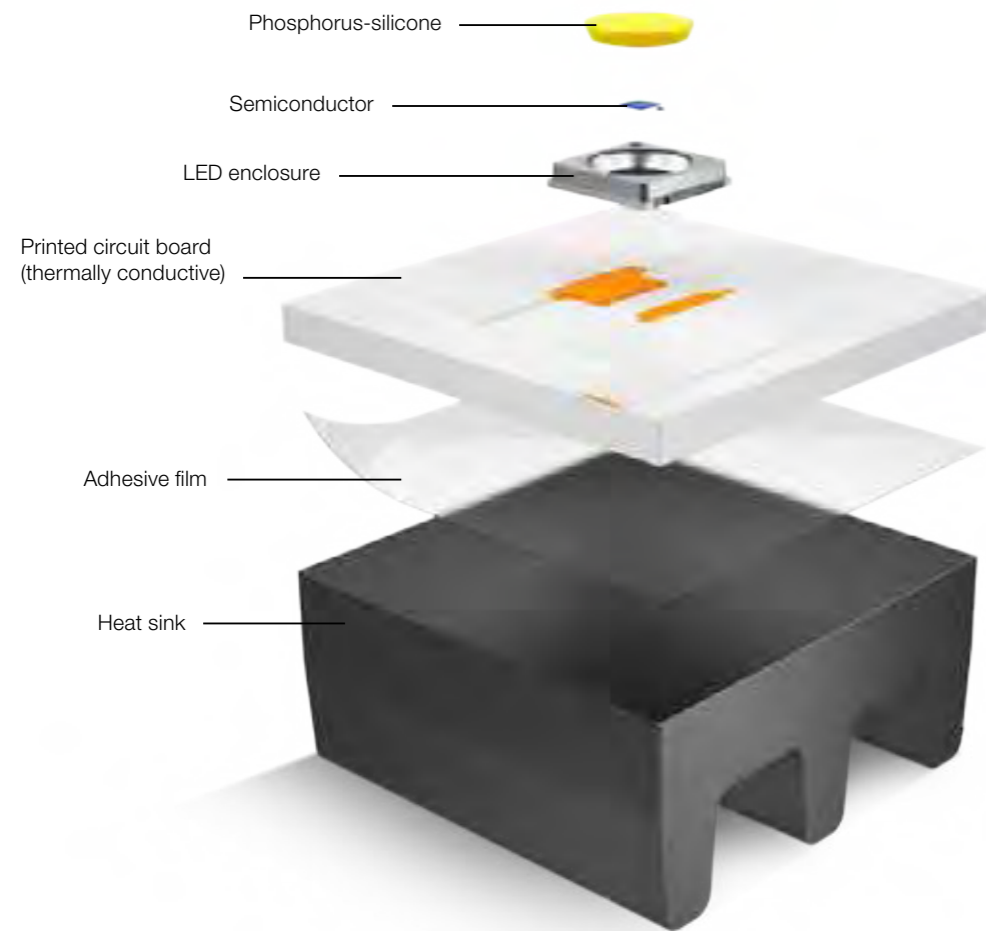
Do you want direct access to our comprehensive collection of lighting and sensor data for planning the perfect solution? The software not only provides you with all the data for planning lighting and lights from STEINEL, but also for accurately configuring the detection zone of our sensors - including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

LED – The Light of The Future



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

Brighter

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

Cooler

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

Smarter

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

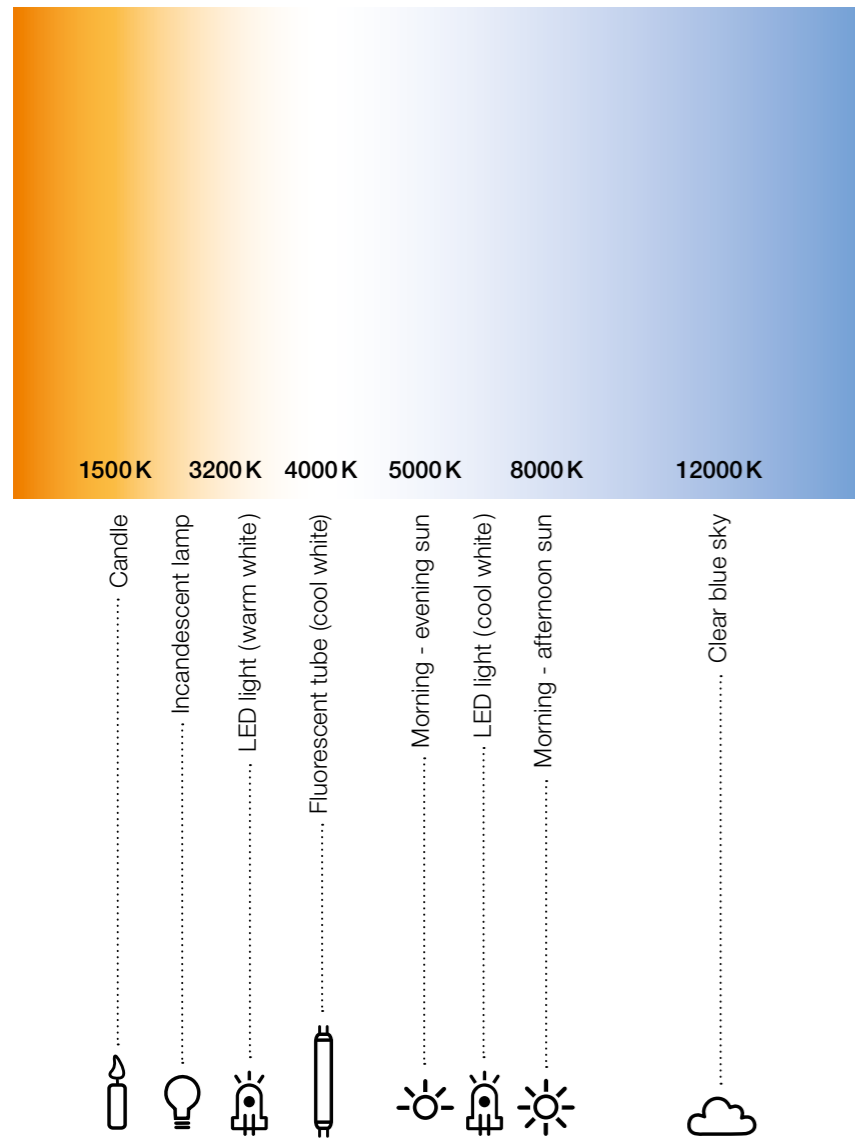


All about Lighting

Bright brains choose the right lamp once they're familiar with a few lighting terms.

Light colour: Colour temperature, also known as light colour, is specified in kelvins (K) and describes whether white light tends to be more yellowy warm or bluish cool. 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 3500 K are referred to as warm white, over 3500 K as cool white.

Light colour in kelvin



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

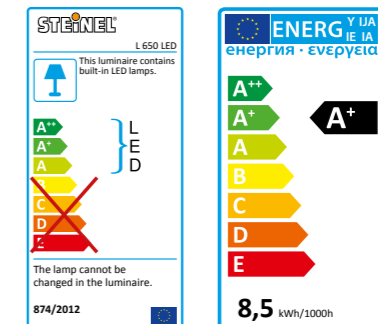
Lumen: (lm) is the unit of luminous flux, being the total amount of light given off by a lamp radiating in all directions. Lumens show what brightness to expect far more clearly than wattage (W).

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) = brightness	150lm	300lm	450lm	600lm	750lm	900lm
Low-energy lamp	6-7 W	8-9 W	13-14 W	15-18 W		
LED	5-6 W	7-8 W	10-11 W	12-13 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, G a very low level of energy efficiency.



Meaning of symbols.

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

Sensor systems



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 controller
Automatically switches light ON at night and OFF again in the morning.

Installation



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



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



Corner wall mount
Including corner bracket for attaching to building corners.

Operation



Floodlight turns
Indicates the floodlight's swivelling range.



Sensor swivel options
Indicates the sensor's swivel adjustment 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 by hard wire.

Light / LED

100w

Output
For lights: the lamp's max. light output. 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).

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 splashproof
No harmful dust deposits. Splashproof in all directions.

IP65

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

ALU

Light enclosure material
Shows which material the light's enclosure is made of.

GLAS

Shade / diffuser material
Shows which material the light's shade or diffuser is made of.

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 manufactured in Europe.



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

Simply user-friendly.
Our Packagings.



A powerful brand powerfully packaged.

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

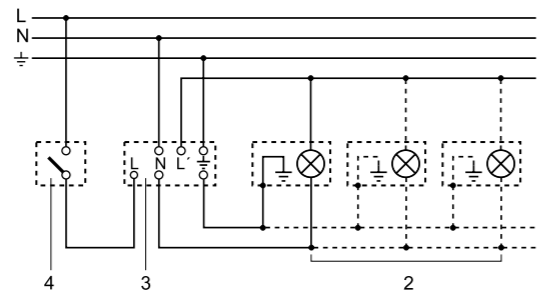


From Germany right across the globe – STEINEL is at home in the world. We speak to our mutual customers in 26 languages.

Wiring Diagrams for Motion Detectors



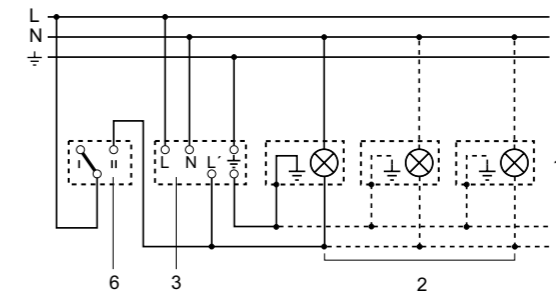
Light without existing neutral conductor



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

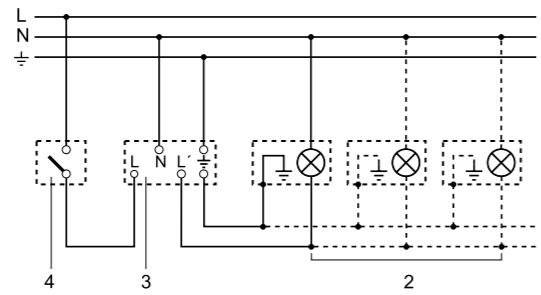
Connection by a double-throw switch for permanent light and automatic mode

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



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

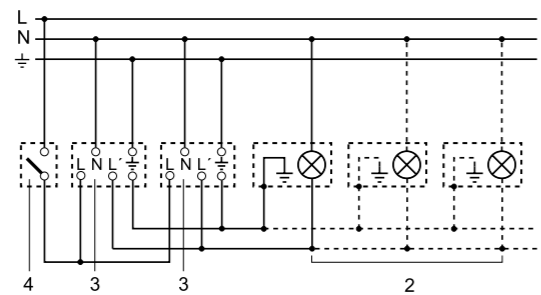
Light with existing neutral conductor



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

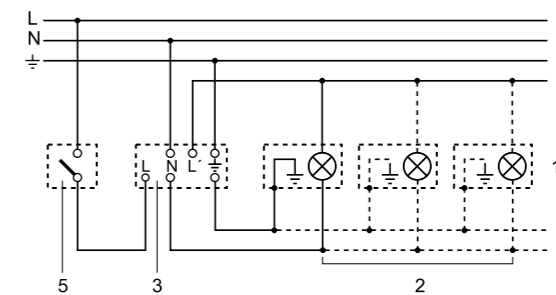
Note: The system cannot be switched OFF, it is only possible to select operation at setting I or II.

Several sensors connected in parallel



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

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



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

Wiring Diagrams for Presence Detectors



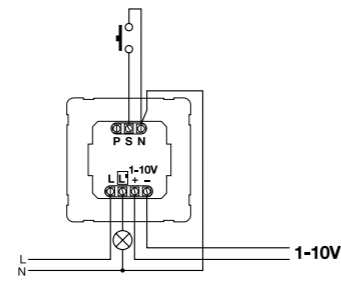
Interconnected master/master – master/slave system

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

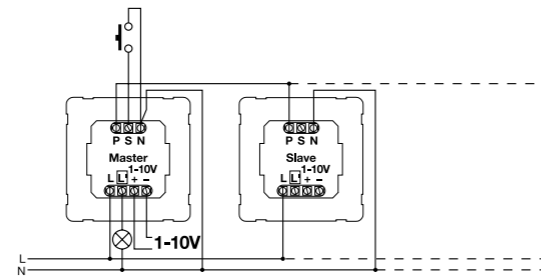
In an interconnected master/master configuration, the detection zone is extended by interconnected detectors with each switching its own load in line with the specific settings of each and every master.

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

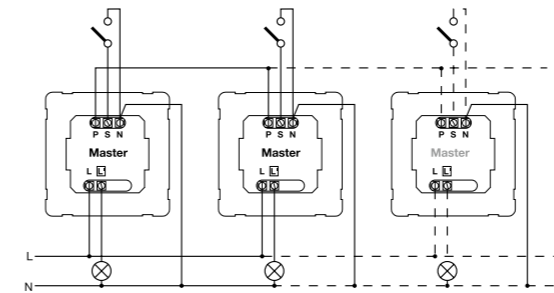
DIM detector



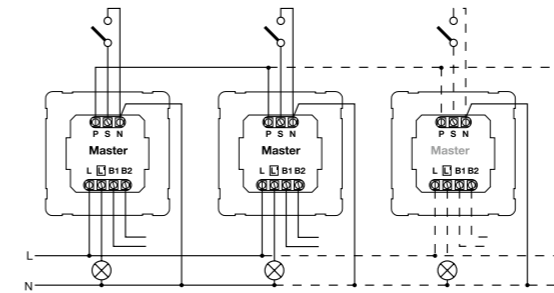
DIM detector with slave



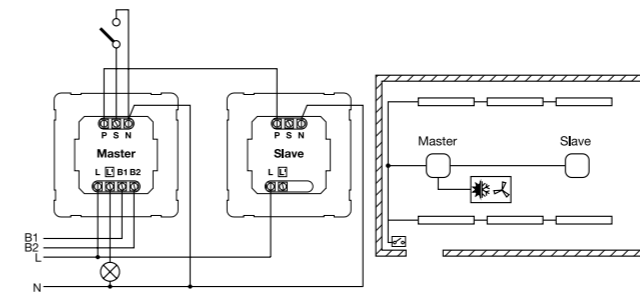
Master/master COM1



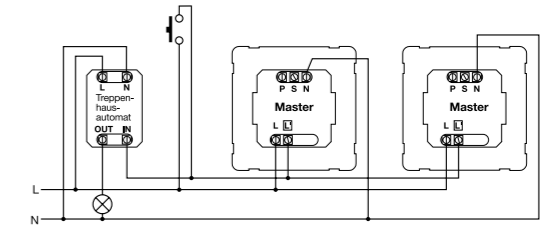
Master/master COM1/COM2



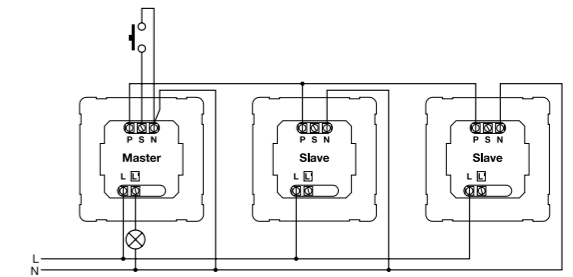
Master-slave



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



Detector connected to stairwell lighting timer



IP Ratings

IP protection rating

The IP code classifies the level of protection provided by enclosures and covers used for protecting electrical equipment. The IP code is defined under IEC 529, EN 60529, DIN VDE 0470-1 and NF C 20-010. The protection ratings are defined by the letters IP (International Protection) followed by two digits indicating the degree of protection. This means that the full protection rating consists of the two letters and the digits indicating the level of protection.

1st digit




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

2nd digit

Protection of equipment against the harmful ingress of water.

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

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

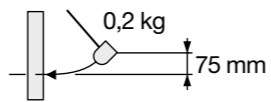
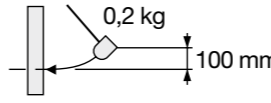
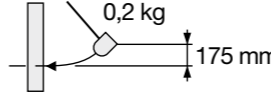
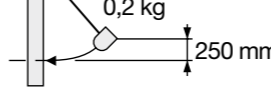
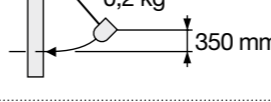
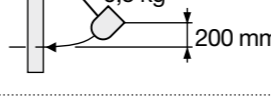
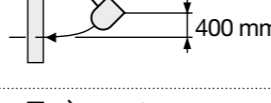


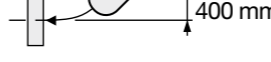
2nd digit	Protection against ingress of water	Application
0	No particular protection.	In dry areas.
1	Protection against vertically falling drops of water (protection against dripping water). Shall have no harmful effect.	In areas exposed to moisture with component in predefined vertical position (e.g.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

IK protection code as defined in EN 501 02

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


IK 0X



IK = Code letters (international mechanical protection)
 0X = IK class of impact protection (from 00 to 10)


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

Protection Classes and Marks of Conformity

Protection classes


- 


Protection class I
In the case of lights provided with class I protection, the protection aim is achieved by insulating live parts and connecting contactable metal parts to the protective-earth conductor. The protective-earth conductor connection terminal is marked .
- 


Protection class II
In the case of lights provided with class II protection, electrical safety is ensured by means of double insulation.
- 

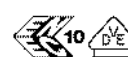

Safety class III
In the case of light provided with class III protection, protection is based on safety extra-low voltage (SELV).


Marks of conformity


- 


VDE label
For electrotechnical products, including products within the meaning of the German Act on Equipment and Product Safety (GPSG) and medical products within the meaning of the German Medical Products Act (MPG). The VDE label indicates conformity to VDE provisions or European or internationally harmonised standards and provides confirmation that the protection requirements of the pertinent guidelines are met. The VDE label shows that the product is safe in terms of electrical, mechanical, thermal, toxic, radiological and other risk.
- 

VDE-GS label
For technical work equipment and ready-to-use items of daily use within the meaning of the GPSG (optionally instead of VDE label for these products).
If products are technical work equipment or ready-to-use items of daily use within the meaning of the German Act on Equipment and Product Safety, you can also use the VDE-GS label.
- 

EMC label from VDE / KEMA
For equipment conforming to the standards on electromagnetic compatibility.
The VDE-EMC label expresses a product's conformity with the applicable standards on the electromagnetic compatibility of products. However, this mark also signals the reliable operation of your product in an electromagnetic environment, as the requirements on issuing the label automatically and unreservedly cover compliance with the relevant standards.
- 


ENEC label from VDE / KEMA
For products meeting harmonised certification procedures.
The European standards specified in the ENEC Agreement provide the basis for testing. Products (these currently being lights, light components, low-energy lamps, IT equipment, transformers, appliance switches, electrical regulators and control devices, terminals, appliance couplers, some types of capacitor and radio interference suppression components) tested on this basis are allowed to carry VDE's ENEC label. Approval from another body involved in the European certification procedure is not necessary.
- 

Glow-wire test
Lights carrying this mark have had their external parts tested for resistance to fire and combustion with a 850° C wire to European standard.
- 

VDE cable marking
VDE cable marking applies to cables, leads and wiring conduits and trunkings.
- 

CE label
The manufacturer documents and declares in its sole responsibility that the product marked satisfies the basic requirements of EU directives. This label is not a mark of tested safety and quality but is directed towards the authority supervising the market.



IR Quattro HD



XLED 25



RS PRO LED R1

From the EAN to the Product

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EAN 4007841 000240RS PRO 500 glass185
EAN 4007841 000257RS PRO 500 Slave, glass185
EAN 4007841 000288Designer ring in white185
EAN 4007841 000288Designer ring in white189
EAN 4007841 000295Designer ring in silver185
EAN 4007841 000295Designer ring in silver189
EAN 4007841 000301Designer ring in white181
EAN 4007841 000318Designer ring in silver181
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EAN 4007841 002626Emergency lighting module with 3 LEDs302
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EAN 4007841 002671RS PRO 5200 Slave213
EAN 4007841 002718IR Quattro DIM89
EAN 4007841 002725IS 345 MX Highbay45
EAN 4007841 002749IR Quattro DALI89
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EAN 4007841 002787IR Quattro HD DIM87
EAN 4007841 002794IR Quattro HD COM187
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EAN 4007841 002817HF 360 DALI99
EAN 4007841 002831HF 360 DIM99
EAN 4007841 002848HF 360 COM299
EAN 4007841 002978Dual HF COM1101
EAN 4007841 002985Dual HF DIM101
EAN 4007841 003005Dual HF DALI101
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EAN 4007841 008925Remote control RC10302
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EAN 4007841 753016HF 336047
EAN 4007841 013226Height adapter EM155



STEINEL Brand

- STEINEL has been specialising in sensor technology for over 25 years
- German engineering
- Produced in Europe



5 years of warranty are a long time.
Not for our products.

Everything we sell is not only developed in-house, but made by us too. And only in Europe. We also check every STEINEL product for perfect working order before it leaves the factory. This way, we can guarantee the origin, perfect quality and long life of every product we deliver. With this in mind, we send out a signal that's seen nowhere else in the industry: a 5-year functional warranty on all products from STEINEL Professional.



Certified Quality



For us, it goes without saying that all products from STEINEL comply with European safety standards. Despite involving a huge effort and not always easy from a technical point of view, we're never deterred. Because it's all worth it. So you get certified quality – every step of the way.



Needless to say, our management system holds certification under Quality Standard DIN EN ISO 9001 and Environmental Management Systems Standard DIN EN ISO 14001



STEINEL Customer Service

- Phone: +44/1733/366-700
- E-mail: steinel@steinel.co.uk
- Monday – Friday 8 a.m. – 5 p.m.



www.steinel.de

- Product overview
- Operating instructions available to download
- Product videos



STEINEL Replacement Parts Service

- Availability Guarantee for genuine STEINEL parts



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- Fax: +49 (0) 5245 448 308
- E-mail: objekte@steinel.de



STEINEL Academy

- Our own Training Centre in Herzebrock is available to you and your customers
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- E-mail: academy@steinel.de



STEINEL on site

- Our own field staff are your direct contacts
- Individually tailored POS modules boost awareness and sales.

