



Sensors for perfect building automation.
The new KNX range from Steinel.

Presence detectors Presence switches

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IR Quattro HD KNX
IR Quattro KNX
IR Quattro SLIM XS KNX

IR 180 KNX
HF 180 KNX

DualHF KNX
HF360 KNX

US 360 KNX
Dual US KNX
Single US KNX
DualTech 360 KNX



Multi-sensor technology

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HPD 2 KNX



Motion detectors Light sensors

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IS 345 KNX
HF 3360 KNX
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IS 3180 KNX



Motion detectors for outdoors

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iHF 3D KNX
sensiQ KNX
sensiQ S KNX

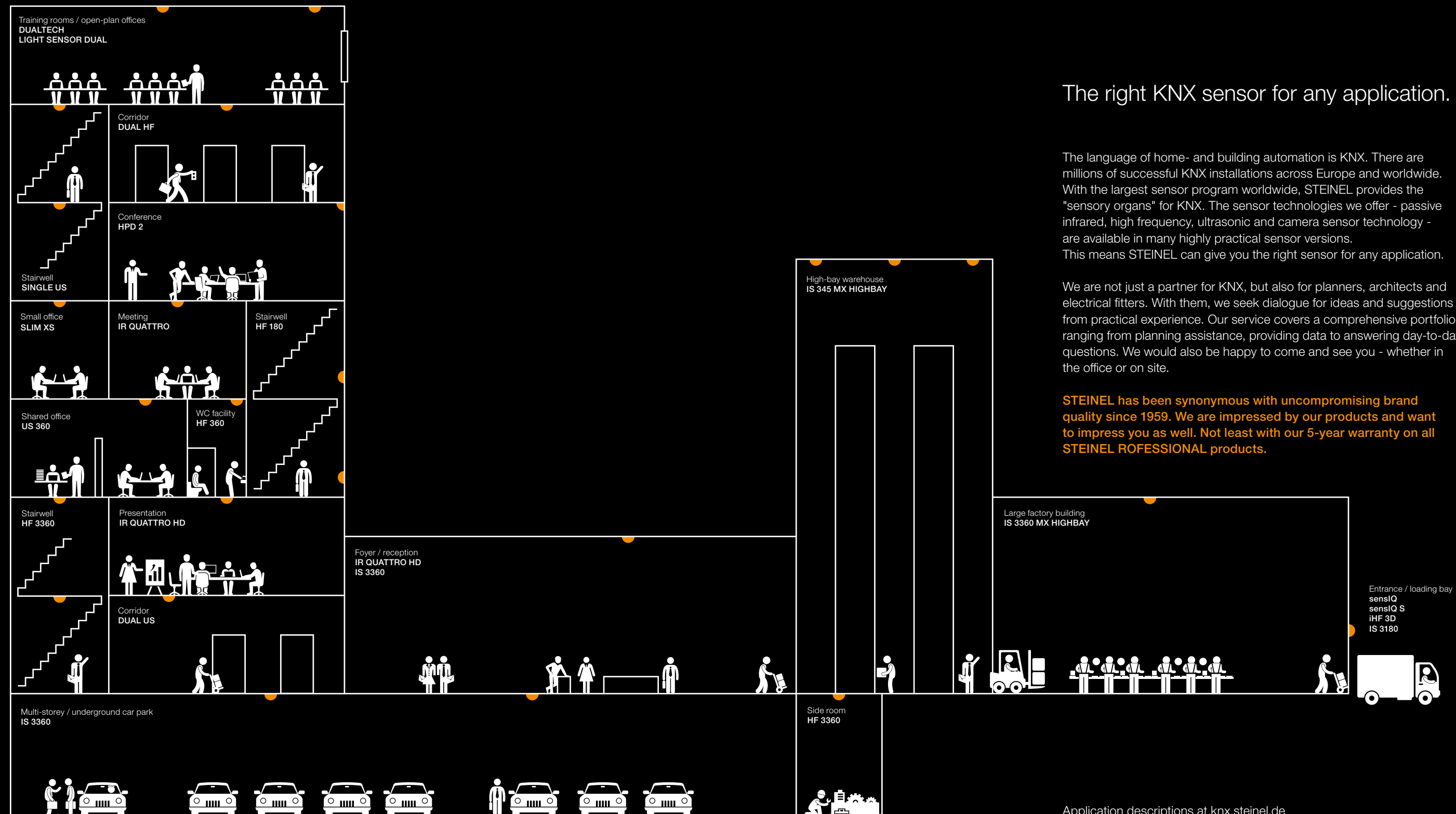


Planning tools

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PROLog
RELUX
DIALux





The right KNX sensor for any application.

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

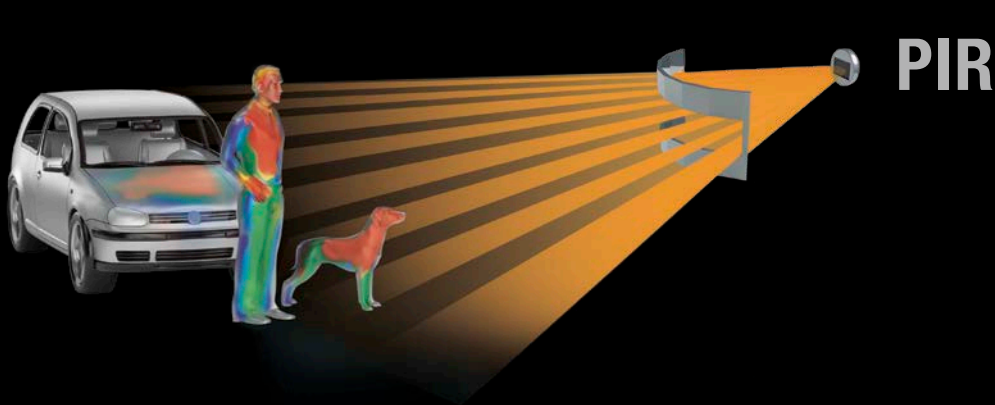
We are not just a partner for KNX, but also for planners, architects and electrical fitters. With them, we seek dialogue for ideas and suggestions from practical experience. Our service covers a comprehensive portfolio ranging from planning assistance, providing data to answering day-to-day questions.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

STEINEL has been synonymous with uncompromising brand quality since 1959. We are impressed by our products and want to impress you as well. Not least with our 5-year warranty on all STEINEL ROFESSIONAL products.

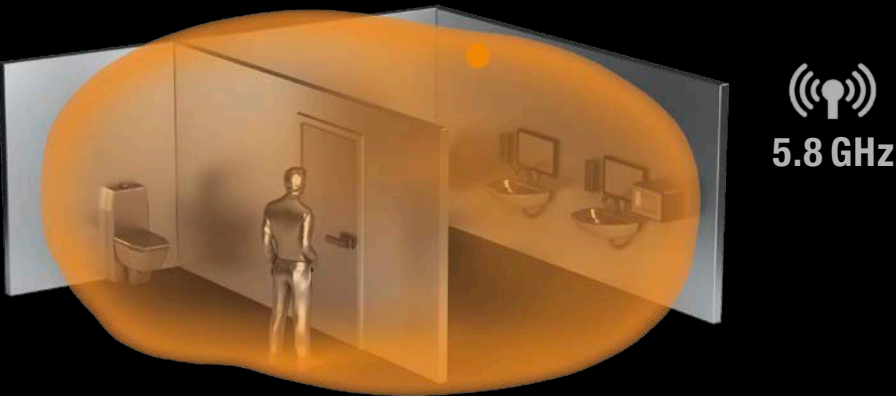
Application descriptions at knx.steinel.de

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

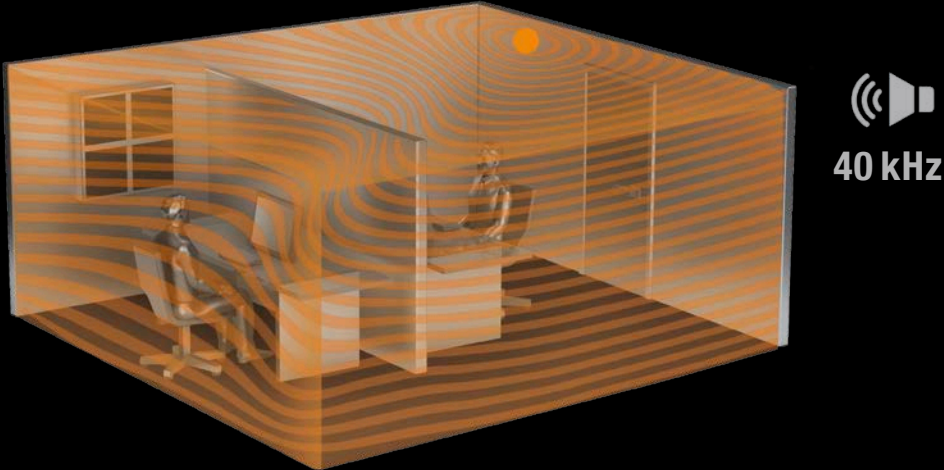
Passive infrared
Responds to moving sources of heat.



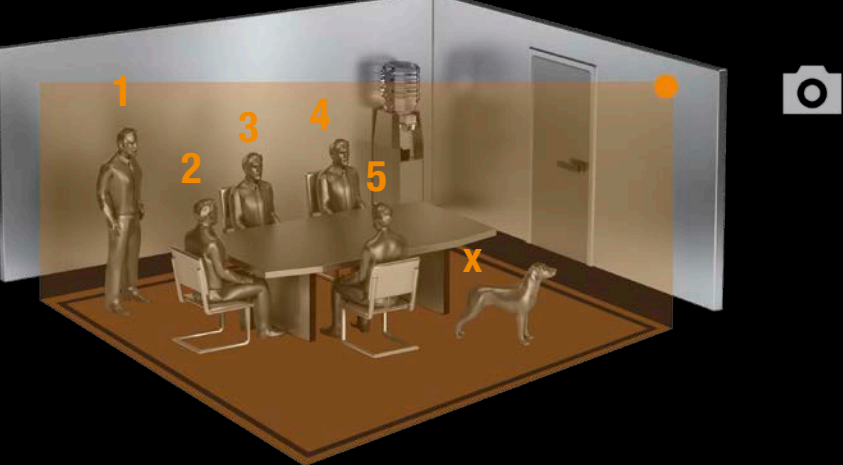
High frequency
Can even see through thin walls.



Ultrasonic
Fills the entire room and also detects movement around objects.



Camera sensor system
Only detects people and can also count them.



More precision. More KNX.
The Control PRO System.

Presence detectors are used for different purposes depending on room type and general conditions. Offices, classrooms, conference rooms, warehouses, sports halls, hallways and corridors as well as particularly high spaces place different demands on the detection zones that sensors cover. Providing top detection quality, the Control PRO System uses infrared, high-frequency and ultrasonic technology to cover the range of application areas with absolute perfection.

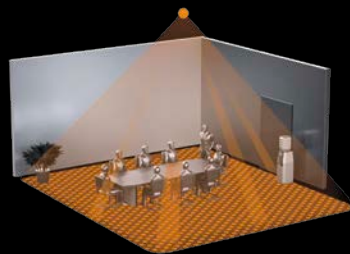
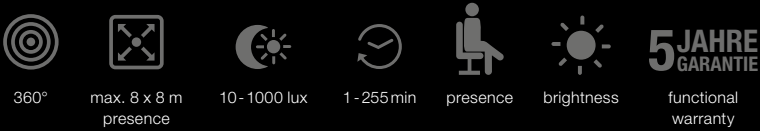


						
	IR Quattro HD KNX	IR Quattro KNX	IR Quattro SLIM XS KNX	IR 180 KNX	HF 180 KNX	Dual HF KNX
Application	Conference room	Classroom	Small office	Hotel corridor	WC facility	Aisle
Detection zone	Presence: 8 x 8 m	Presence: 4 x 4 m	Presence: 4 x 4 m	max. 20 m	max. Ø 8 m	20 x 3 m
Mounting height	2.5 – 10 m	2.5 – 8 m	2.5 – 4 m	1.2 m	1.2 m	2.5 – 3.5 m
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	HF360 KNX	US 360 KNX	Dual US KNX	Single US KNX	DualTech KNX
Application	Bathroom	Classroom	Corridor	Aisle	Classroom
Detection zone	max. Ø 12 m	Presence: Ø 6 m	20 x 3 m	10 x 3 m	Presence: Ø 6 m
Mounting height	2.5 – 3.5 m	2.5 – 3.5 m	2.5 – 3.5 m	2.5 – 3.5 m	2.5 – 3.5 m
Page	22	24	26	28	30

Cutting-edge detection quality.
For cutting-edge buildings.
IR Quattro HD KNX

When it's a matter of intelligent building automation, presence detectors with extremely good detection performance are a must. IR Quattro HD KNX 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.



Technical specifications

Dimensions (W x H x D): 120 x 120 x 70 mm
Power supply: KNX bus voltage
Sensor technology: passive infrared,
4800 switching zones,
4 pyro sensors, mechanically scalable reach
Angle of coverage: 360°
Mounting height: 2.5 - 10 m
Reach (H = 2.8 m): max. 8 x 8 m presence/radial,
max. 20 x 20 m tangential
KNX parameters:
Output, light: 4 channels including constant-lighting
control and basic light level

Output, presence: switching response irrespective
of ambient light level
Output, photo-cell controller: lights switched
on and off in relation to ambient brightness
Further outputs: light level, sabotage protection
Light level: 10 - 1000 lux, daylight operation
Time setting: 1 - 255 min
IP rating / protection class: IP 20 / III
Temperature range: -20°C - +55°C
Material: UV-resistant plastic (casing),
HDPE (lens)
Accessories: remote controls RC6, RC7, Smart Remote

IR Quattro HD KNX
EAN 4007841 008789

Great detection quality.
In small rooms.
IR Quattro KNX

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 within the square detection zone. Without any loss of quality whatsoever in presence detection over a maximum area of 16 m². Permitting ultra-precise planning. Thanks to Presence Control PRO.



360°



max. 4 x 4 m
presence



10 - 1000 lux



1 - 255 min



presence



brightness



5 JAHRE
GARANTIE

functional
warranty



Technical specifications
Dimensions (W x H x D): 120 x 120 x 76 mm
Power supply: KNX bus voltage
Sensor technology: passive infrared,
1760 switching zones,
Mechanically scalable reach
Angle of coverage: 360°
Mounting height: 2.5 - 8 m
Reach (H = 2.8 m): max. 4 x 4 presence /
max. 5 x 5 m radial, max. 7 x 7 m tangential
KNX parameters:
Output, light: 4 channels including constant-lighting
control and basic light level

Output, presence: switching response irrespective
of ambient light level
Output, photo-cell controller: lights switched
on and off in relation to ambient brightness
Further outputs: light level, sabotage protection
Light level: 10 - 1000 lux, daylight operation
Time setting: 1 - 255 min
IP rating / protection class: IP 20 / III
Temperature range: -20°C to +55°C
Material: UV-resistant plastic (casing), HDPE (lens)
Accessories: remote controls RC6, RC7, Smart Remote

IR Quattro KNX
EAN 4007841 008772

Our slimmest presence detector.
Now even smaller in concealed box format.
IR Quattro SLIM XS KNX

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



360°



max. 4 x 4 m
presence



10-1000 lux



1-255 min



presence

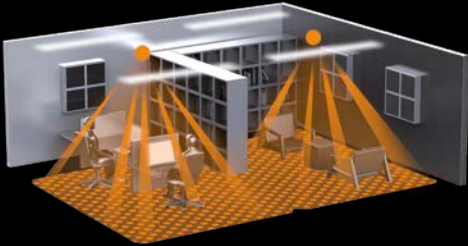


brightness



5 JAHRE
GARANTIE

functional
warranty



Technical specifications

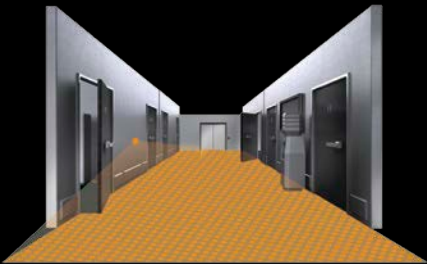
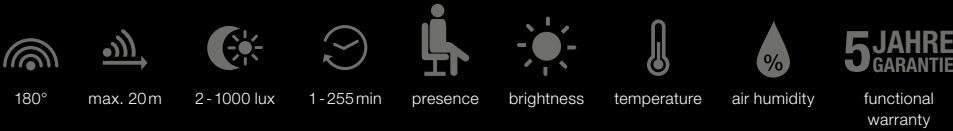
Dimensions (H x W x D) KNX: 80 x 80 x 49 mm
Power supply: KNX bus voltage
Sensor technology: passive infrared
Angle of coverage: 360°
Reach: 4 x 4 m presence, radial, tangential
KNX parameters:
Output, light: 4 channels including constant light and basic light level
Output, presence: switching response irrespective of ambient light level
Output, photo-cell controller: lights switched on and off in relation to ambient brightness
Further outputs: light level, sabotage protection

Time setting: 1 - 255 min
IP rating / protection class: IP 20 / II
Material: UV-resistant plastic (casing), HDPE (lens)
Accessories: remote controls RC6, RC7, Smart Remote

IR Quattro SLIM XS KNX
EAN 4007841 033033

The new standard for infrared sensor switches. IR 180 KNX

New design, intelligent technology, fast installation. The IR 180 KNX is the answer to providing infrared sensor switches in buildings. 180 denotes the sensor's huge angle of coverage. It misses absolutely nothing, either to the left or right. The IR 180 comes in a spectacular design and can be installed quickly and easily. The KNX version also indicates temperature and air humidity levels measured.



Integrated button to which any chosen function can be assigned.



High-precision 180° infrared sensor with a reach of 20 m.



Technical specifications
Dimensions (H x W x D): 80 x 80 x 20.5 mm
Power supply: KNX bus voltage
Sensor type: passive infrared
Angle of coverage: 180°
Reach: radial, 4 m, tangential 20 m
Twilight setting: 2 – 2000 lux
KNX parameters:
Light channels lights 1 – 4: switching/dimming, switching mode, constant-lighting control, stay ON time, basic light level: permanently ON, 1 - 255 min, 10 - 50%, all night, output

HVAC: governed by presence, switching delay, room surveillance, 0 - 255 min
Integrated button can be assigned to switching, dimming, roller-shutter control, scenario selection, encoder
Further outputs: temperature and air humidity
Time setting: 1 - 255 min
IP rating / protection class: IP 20 / II
Accessories: adapter for Busch Jäger and Jung switching programs, RC6, RC7, Smart Remote

IR 180 KNX
EAN white 4007841 032975
EAN silver 4007841 032968

Reliably detects through partition walls.
HF 180 KNX

High-frequency technology meets top-calibre design! With an angle of coverage of 180°, the HF 180 KNX sensor switch not only scores top marks in performance, it looks great too. The HF sensor technology detects every movement and switches instantly. The solution for stairwells, entrance rooms and toilet facilities, even when movement needs detecting through thin partition walls. Intelligent technology that not only looks good, but is also easy to install. The KNX version also indicates temperature and air humidity levels measured.



180°



Ø 1 - 8 m



2 - 1000 lux



1 - 255 min



movement



brightness



temperature



air humidity

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functional warranty



Integrated button to which any chosen function can be assigned.

Very fast detection regardless of temperature.

High-precision 180° high-frequency sensor with Ø 8 m reach.



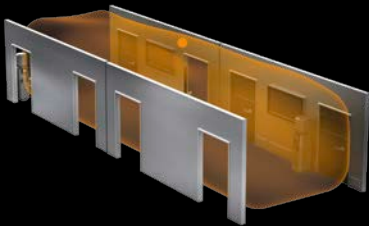
Technical specifications
Dimensions (H x W x D): 80 x 80 x 20.5 mm
Power supply: KNX bus voltage
Sensor technology: high frequency, 5.8 GHz
Angle of coverage: 180°
Reach: Ø 1 - 8 m
Twilight setting: 2 – 2000 lux
KNX parameters:
Light channels lights 1 – 4: switching/dimming, switching mode, constant-lighting control, stay ON time, basic light level: permanently ON, 1 - 255 min, 10 - 50%, all night, output

HVAC: governed by presence, switching delay, room surveillance, 0 - 255 min
Integrated button can be assigned to switching, dimming, roller-shutter control, scenario selection, encoder
Further outputs: temperature and air humidity
Time setting: 1 - 255 min
IP rating / protection class: IP 20 / II
Accessories: adapter for Busch Jäger and Jung switching programs, RC6, RC7, Smart Remote

HF 180 KNX
EAN white 4007841 032876
EAN silver 4007841 032869

Sets the direction.
All systematically.
DUAL HF KNX

Time and again, long corridors present challenges to intelligent building automation. They are easily overcome with the Dual HF KNX. 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 on either side.



Technical specifications

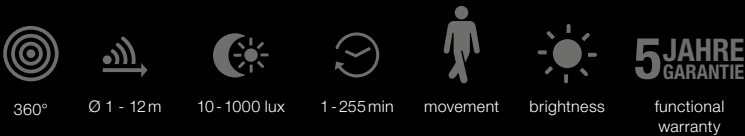
Dimensions: (W x H x D) 120 x 120 x 75 mm
Power supply: KNX bus voltage
Sensor technology: high frequency, 5.8 GHz
Angle of coverage: corridor
Mounting height: max. 3.5 m
Reach (H = 2.8 m): max. 20 x 3 m, (10 x 3 m in each direction)
KNX parameters:
Output, light: 4 channels including constant-lighting control and basic light level
Output, presence: switching response irrespective of ambient light level

Output, photo-cell controller: lights switched on and off in relation to ambient brightness
Light level: 10 - 1000 lux, daylight operation
Time setting: 1 - 255 min
Further outputs: light level, sabotage protection
IP rating / protection class: IP 20 / III
Temperature range: -20°C - +55°C
Material: UV-resistant plastic
Accessories: remote controls RC6, RC7, Smart Remote

DUAL HF KNX
EAN 4007841 008802

Systematic detection.
Unobtrusive and with absolute precision.
HF 360 KNX

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.



Technical specifications

Dimensions (W x H x D): 120 x 120 x 56 mm
Power supply: KNX bus voltage
Sensor technology: high frequency, 5.8 GHz
Angle of coverage: 360°
Mounting height: 2.5 - 3.5 m
Reach: Ø 1 - 12 m
KNX parameters:
Output, light: 4 channels including constant-lighting control and basic light level
Output, presence: switching response irrespective of ambient light level

Output, photo-cell controller: lights switched on and off in relation to ambient brightness
Light level: 10 - 1000 lux, daylight operation
Time setting: 1 - 255 min
Further outputs: light level, sabotage protection
IP rating / protection class: IP 20 / III
Temperature range: -20°C - +55°C
Material: UV-resistant plastic
Accessories: remote controls RC6, RC7, Smart Remote

HF 360 KNX
EAN 4007841 008796

Detects without obstructions.
Space-filling and sensitive.
US 360 KNX

Oddly shaped architecture, partition walls or other obstacles present insurmountable difficulties to some sensors. Yet the dynamic all-round precision detection capability of the US 360 KNX works with absolute reliability behind objects too. The smallest of movements are detected over up to Ø 6 m. Even in tricky detection situations. The space-filling ultrasonic waves make this possible.



360°



max. Ø 6 m
presence



10 - 1000 lux



1 - 255 min



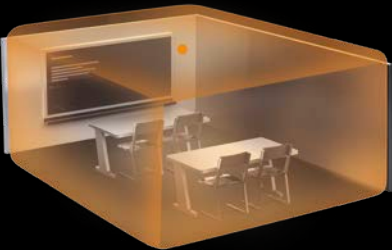
presence



brightness



5 JAHRE
GARANTIE
functional
warranty



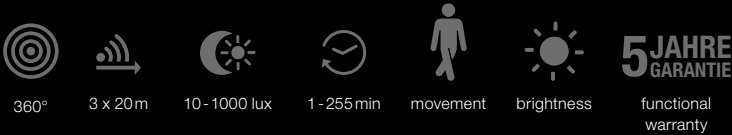
Technical specifications
Dimensions (W x H x D): 120 x 120 x 68 mm
Power supply: KNX bus voltage
Sensor technology: 40 KHz ultrasonic
Angle of coverage: 360°
Mounting height: 2.5 - 3.5 m
Reach: Ø 10 m radial, Ø 6 m tangential /
presence KNX parameters:
Output, light: 4 channels including constant-lighting
control and basic light level
Output, presence: switching response irrespective
of ambient light level

Output, photo-cell controller: lights switched
on and off in relation to ambient brightness
Light level: 10 - 1000 lux, daylight operation
Time setting: 1 - 255 min
Further outputs: light level, sabotage protection
IP rating / protection class: IP 20 / III
Temperature range: -20°C - +55°C
Material: UV-resistant plastic
Accessories: remote controls RC6, RC7, Smart Remote

US 360 KNX
EAN 4007841 029463

Watches over the entire corridor.
And can see around corners.
Dual US KNX

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 KNX. Mounted 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 3 x 20 m. But only there: the sensor reliably masks out persons behind closed doors. This makes it the perfect corridor sensor for hotels and residential complexes.



Technical specifications

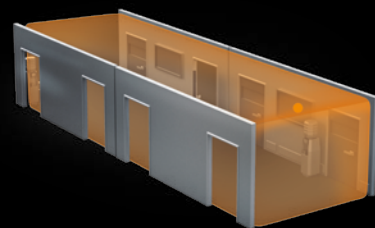
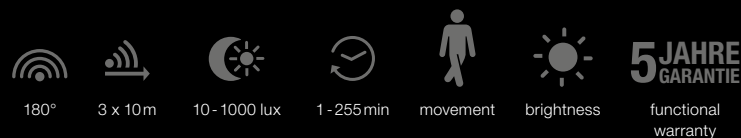
Dimensions (W x H x D): 120 x 120 x 73 mm
Power supply: KNX bus voltage
Sensor technology: 40 KHz ultrasonic
Angle of coverage: corridor
Mounting height: 2.5 - 3.5 m
Reach: 3 x 20 m
KNX parameters:
Output, light: 4 channels including constant-lighting control and basic light level
Output, presence: switching response irrespective of ambient light level

Output, photo-cell controller: lights switched on and off in relation to ambient brightness
Light level: 10 - 1000 lux, daylight operation
Time setting: 1 - 255 min
Further outputs: light level, sabotage protection
IP rating / protection class: IP 20 / III
Temperature range: -20°C - +55°C
Material: UV-resistant plastic
Accessories: remote controls RC6, RC7, Smart Remote

Dual US KNX
EAN 4007841 029470

The ideal sensor for small corridors. Single US KNX

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



For mounting heights
of up to 3.5 m.

Uninterrupted, space-filling
detection. Ultrasonic waves
envelope objects but do not
pass through them.

Ultrasonic corridor sensor.
10m reach in only one
direction.

Technical specifications

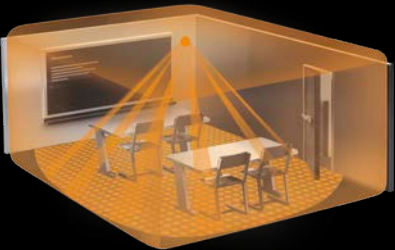
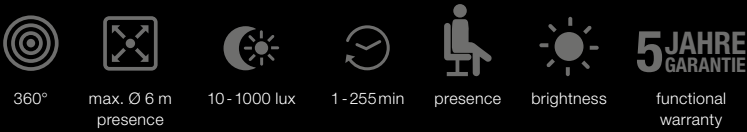
Dimensions (W x H x D): 120 x 120 x 73 mm
Power supply: KNX bus voltage
Sensor technology: 40 KHz ultrasonic
Angle of coverage: corridor, one direction
Mounting height: 2.5 - 3.5 m
Reach: 3 x 10 m
KNX parameters:
Output, light: 4 channels including constant-lighting
control and basic light level
Output, presence: switching response irrespective
of ambient light level

Output, photo-cell controller: lights switched
on and off in relation to ambient brightness
Light level: 10 - 1000 lux, daylight operation
Time setting: 1 - 255 min
Further outputs: light level, sabotage protection
IP rating / protection class: IP 20 / III
Temperature range: -20°C - +55°C
Material: UV-resistant plastic
Accessories: remote controls RC6, RC7, Smart Remote

Single US KNX
EAN 4007841 029487

The best of both worlds.
Combined in one detector.
DualTech KNX

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 KNX can also detect movements without visual contact with the sensor. PIR technology provides additional detection capabilities. And maximum reliability.



Technical specifications
Dimensions (W x H x D): 120 x 120 x 68 mm
Power supply: KNX bus voltage
Sensor technology: 40 KHz ultrasonic and passive infrared
Angle of coverage: 360°
Mounting height: 2.5 - 3.5 m
Reach, US: Ø 10 m radial, Ø 6 m tangential / presence
Reach, PIR: 3 x 3 m presence
KNX parameters:
Output, light: 4 channels including constant-lighting control and basic light level

Output, presence: switching response irrespective of ambient light level
Output, photo-cell controller: lights switched on and off in relation to ambient brightness
Light level: 10 - 1000 lux, daylight operation
Time setting: 1 - 255 min
Further outputs: light level, sabotage protection
IP rating / protection class: IP 20 / III
Temperature range: -20°C - +55°C
Material: UV-resistant plastic (casing), HDPE (lens)
Accessories: remote controls RC6, RC7, Smart Remote

DUAL TECH KNX
EAN 4007841 029494

STEINEL®

Camera multi-sensor system. Coming close to the future. HPD 2 KNX

It has taken the world's best specialists and universities over 5 years to develop this system that analyses images directly in the sensor. With the HPD 2 KNX – HPD stands for "Human Presence Detection" – STEINEL makes a quantum leap in sensor technology. Because the HDP 2 KNX is the world's first presence detector that is not only capable of detecting whether people are present but can also count them. No matter whether they are moving about or not. At the heart of the person sensor is innovative camera technology that uses a highly sensitive optical system in combination with a complex mathematical algorithm. The HPD 2 KNX also has integrated temperature and air-humidity sensors, opening up completely new possibilities in building automation. Light, heating and air-conditioning can finally be controlled in line with demand for the number of people present in a room.



Advantage no. 1: Zone definition

The HPD 2's detection zone can be confined to a precisely defined area. This makes it possible, for instance, to mask out interference from foot traffic passing through. A maximum of 5 different zones can be selected when setting up the system.



Persons: 3

Advantage no. 2: Detecting persons

For the first time it is 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.



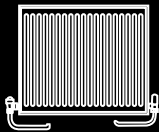
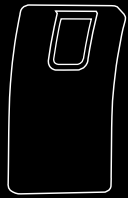
Persons: 2

Advantage no. 3: Counting people

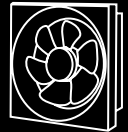
Not only can the HPD 2 detect people but it can also see how many of them are present. Its reach of 15 m makes it suitable for conference rooms as well as corridors. Powerful IR LEDs even provide this function in the dark. The output is by KNX twisted pair.

System integration
via KNX twisted pair.

Light
Automatic lighting in
real time – without a
stay-ON time.



Radiators
Automatic control based
on number of people.



Ventilation
Automatic control based
on number of people.

A person is a person –
whether moving or not, whether sitting or standing.
HPD 2 KNX

The human presence detector HPD 2 is the next chapter in sensor systems. 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 over 5 years to develop this system that analyses images directly in the sensor. This now opens up completely new application options in building automation.



110° sensor
max. 15 m



2.5 - 6 m



2 - 2000 lux



1 - 255 min



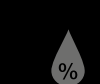
movement



presence



brightness



temperature



air humidity

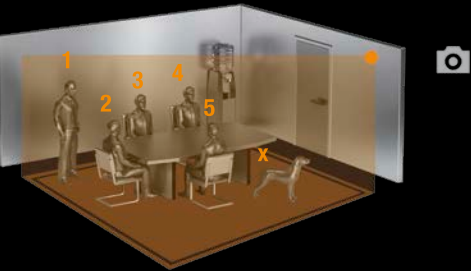


number
of people



5 JAHRE
GARANTIE

functional
warranty



Technical specifications

Dimensions: (H x W x D): 156 x 86 x 52 mm
Power supply: KNX bus voltage
Sensor technology: Camera technology
Angle of coverage: 110°
Reach: 15 m

Communication objects HPD 2
KNX twisted pair:
Light channel with constant-lighting control per zone
Number of people present for up to 5 zones
Threshold control possible
Output of temperature, air humidity and light level

Presence output
Output of the values for all zones accumulated
Twilight setting: 2 - 2000 lux
Time setting: 1-255 min

HPD 2 KNX
EAN KNX 4007841 033200

Fit for KNX. Ready for any eventuality.
The 3000 series.

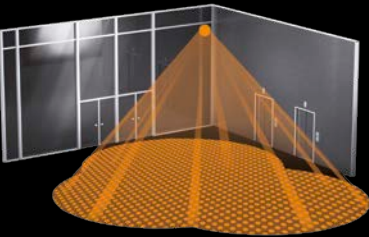
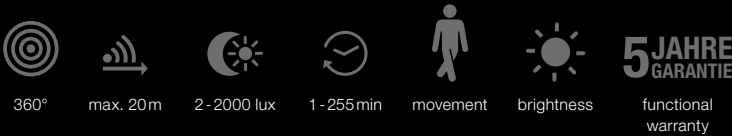
Because demand for our sensors is growing and growing, we have aligned our 3000 series with the needs of our customers and complemented our range. All series 3000 sensors are now available in a KNX version. On top of this, there are now surface-mounted and concealed versions of all sensors and, wherever it makes sense, round instead of square casings. Thanks to the variety of detection characteristics, this means we can always give you the right motion detector to suit your needs. And we are particularly proud of this: in connection with our Smart Remote remote control, configuration and control can now be performed simply and conveniently by tablet or smartphone.



	IS 3360 KNX	IS 345 KNX	HF 3360 KNX	Light Sensor Dual KNX	IS 3360 MX Highbay KNX	IS 345 MX Highbay KNX	IS 3180 KNX
Application	Multi-storey car park	Long corridor	WC facilities	Conference rooms, offices	High-bay warehouse area	High-bay warehouse aisle	Exterior facade aisle
Detection zone	max. 20 m	max. 20 x 4 m	Ø 1 - 8 m		max. 18 m	max. 30 x 4 m	max. 20 m
Mounting height	2.5 - 4 m	2.5 - 5 m	2 - 2.8 m		4 - 14 m	4 - 14 m	2 m
Page	38	40	42	44	46	48	50

With far-sightedness. And all-round vision.
IS 3360 KNX

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



Technical specifications

Power supply: KNX bus voltage
Sensor technology: passive infrared
Angle of coverage: 360° with 180° angle of aperture
Mounting height: 2.5 - 4 m
Reach: 20 m
KNX parameters:
Output, light: 2 channels, including dimming level and basic light level
Output, presence: switching response irrespective of ambient light level
Output, HVAC: switching response irrespective of ambient light level

Output, photo-cell controller: lights switched on and off in relation to ambient brightness
Further outputs: light level, sabotage protection
Twilight setting: 2 - 2000 lux
Time setting: 1 - 255 min
IP rating / protection class: IP 54 / II
Temperature range: -20°C to +50°C
Material: UV-resistant plastic (casing), HDPE (lens)
Accessories: remote control RC6, RC7, Smart Remote

IS 3360 KNX
Surface-mounted installation, square (66 x 95 x 95 mm)
EAN 4007841 011635

Surface-mounted installation, round (66 x Ø 126 mm)
EAN 4007841 033538

Concealed installation, square (78 x 94 x 94 mm)
EAN 4007841 033545

Concealed installation, round (78 x Ø 124 mm)
EAN 4007841 033552

Pioneering sensor technology. Targeted detection. IS 345 KNX

Aisles and long corridors place special demands on sensor performance.

The detection area of the sensor must be narrow, but long. Only in this way can the fewest possible sensors cover sections of the greatest possible length. Tried and proven over and over again, the IS 345 KNX is the specialist for indoor applications of this type. It is specially designed for detection in corridors and has an angle of aperture of 45°. This means that it can watch over an area of up to 20 x 4 metres tangentially.


360°


max. 20 x 4 m


2 - 2000 lux


1 - 255 min


movement


brightness


5 JAHRE
GARANTIE
functional warranty



Technical specifications

Power supply: KNX bus voltage
Sensor type: passive infrared
Angle of coverage: 180° with 45° angle of aperture
Mounting height: 2.5 - 5 m
Reach: 20 m x 4 m tangential, 12 m x 4 m radial
KNX parameters:
Output, light: 2 channels, including dimming level and basic light level
Output, presence: switching response irrespective of ambient light level
Output, HVAC: switching response irrespective of ambient light level

Output, photo-cell controller: lights switched on and off in relation to ambient brightness
Further outputs: light level, sabotage protection
Twilight setting: 2 - 2000 lux
Time setting: 1 - 255 min
IP rating / protection class: IP 54 / II
Temperature range: -20°C - +50°C
Material: UV-resistant plastic (casing), HDPE (lens)
Accessories: remote controls RC6, RC7, Smart Remote

IS 345 KNX
Surface-mounted installation, square (66 x 95 x 95 mm)
EAN 4007841 011659

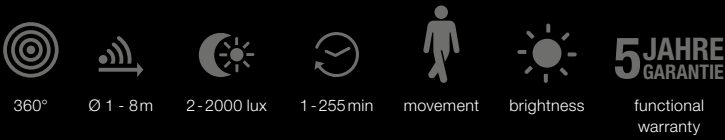
Surface-mounted installation, round (66 x Ø 126 mm)
EAN 4007841 033880

Concealed installation, square (78 x 94 x 94 mm)
EAN 4007841 033897

Concealed installation, round (78 x Ø 124 mm)
EAN 4007841 033903

It detects simply everything.
Very fast and if required over 2 storeys.
HF 3360 KNX

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



Technical specifications

Power supply: KNX bus voltage
Sensor technology: high frequency
Angle of coverage: 360° with 140° angle of aperture
Mounting height: 2 - 2.8 m
Reach: Ø 1 - 8 m
KNX parameters:
Output, light: 2 channels, including dimming level and basic light level
Output, presence: switching response irrespective of ambient light level
Output, HVAC: switching response irrespective of ambient light level

Output, photo-cell controller: lights switched on and off in relation to ambient brightness
Further outputs: light level, sabotage protection
Twilight setting: 2 - 2000 lux
Time setting: 1 - 255 min
Master/slave interconnection possible: yes
IP rating: IP 54
Temperature range: -20°C - +50°C
Material: UV-resistant plastic (casing), HDPE (lens)
Accessories: remote controls RC6, RC7, Smart Remote

HF 3360 KNX
Surface-mounted installation, square (52 x 95 x 95 mm)
EAN 4007841 011673

Surface-mounted installation, round (52 x Ø 126 mm)
EAN 4007841 033767

Concealed installation, square (64 x 94 x 94 mm)
EAN 4007841 033774

Concealed installation, round (64 x Ø 124 mm)
EAN 4007841 033781

The duality of light measurement.
Light Sensor Dual KNX

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



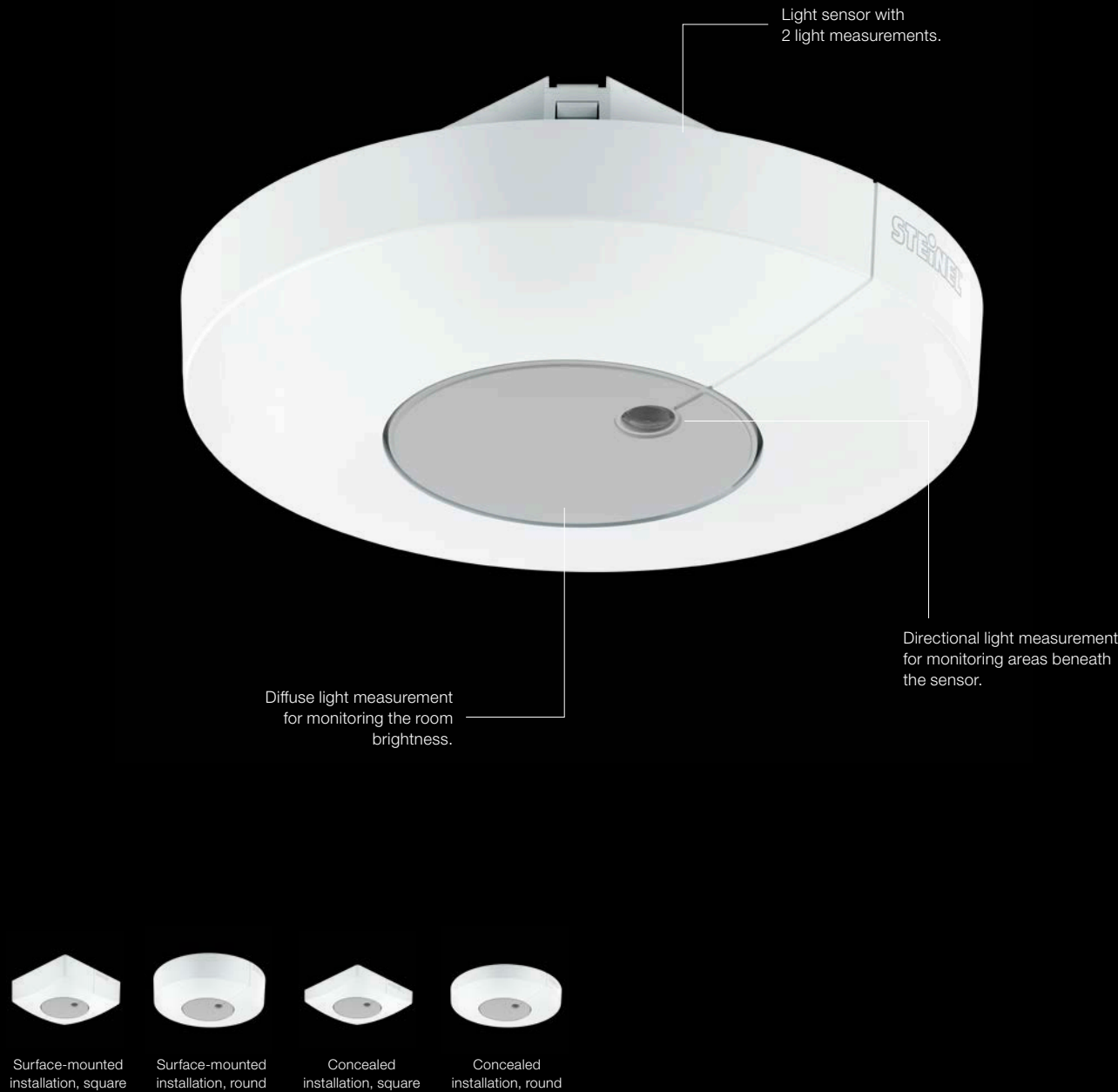
2 - 1000 lux



brightness

5 JAHRE
GARANTIE

functional
warranty



Technical specifications

Power supply: KNX bus voltage
Sensor technology: photodiode
Angle of coverage: directed and diffuse
Installation: ceiling
KNX parameters:
Output brightness: diffuse and directed
Output, constant-lighting control: brightness-dependent control
Output, photo-cell controller: lights switched on and off in relation to ambient brightness
Further outputs: light level, sabotage protection
Twilight setting: 2 - 1000 lux
Temperature range: 0°C – 40°C

IP rating / protection class: IP 54 / III
Material: UV-resistant plastic
Accessories: remote controls RC6, RC7, Smart Remote

Light Sensor Dual KNX
Surface-mounted installation, square (42 x 95 x 95 mm)
EAN 4007841 011727

Surface-mounted installation, round (42 x Ø 126 mm)
EAN 4007841 033644

Concealed installation, square (54 x 95 x 95 mm)
EAN 4007841 033637

Concealed installation, round (54 x Ø 124 mm)
EAN 4007841 033651

A head for heights. Powerful reach. Reliable. IS 3360 MX Highbay KNX

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


360°


max. 30 x 4 m

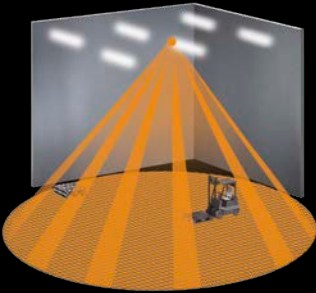

2 - 2000 lux


1 - 255 min


movement


brightness


5 JAHRE
GARANTIE
functional
warranty



Technical specifications
Power supply: KNX bus voltage
Sensor technology: passive infrared
Angle of coverage: 360°
Mounting height: 4 - 14 m
Reach: max. 18 m (tangential)
KNX parameters:
Output, light: 2 channels, including dimming level and basic light level
Output, presence: switching response irrespective of ambient light level
Output, HVAC: switching response irrespective of ambient light level

Output, photo-cell controller: lights switched on and off in relation to ambient brightness
Further outputs: light level, sabotage protection
Twilight setting: 2 - 2000 lux
Time setting: 1 - 255 min
IP rating / protection class: IP 54 / II
Temperature range: -20°C - +50°C
Material: UV-resistant plastic (casing), HDPE (lens)
Accessories: remote controls RC6, RC7, Smart Remote

IS 3360 MX Highbay KNX
Surface-mounted installation,
square (66 x 95 x 95 mm)
EAN 4007841 011642

Concealed installation,
square (78 x 95 x 95 mm)
EAN 4007841 033613

The specialist for high-bay warehouses.
And the highest level of surveillance quality.
IS 345 MX Highbay KNX

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


360°


max. 30 x 4 m


2 - 2000 lux


1 - 255 min


movement


brightness


5 JAHRE
GARANTIE
functional warranty



Technical specifications
Dimensions: (H x W x D) 95 x 95 x 65 mm
Power supply: KNX bus voltage
Sensor technology: passive infrared
Angle of coverage: 180° with 90° angle of aperture
Reach: basic setting 1: 8 - 20 m,
basic setting 2: 4 - 8 m
KNX parameters:
Output, light: 2 channels, including dimming level
and basic light level
Output, presence: switching response irrespective
of ambient light level
Output, HVAC: switching response irrespective
of ambient light level

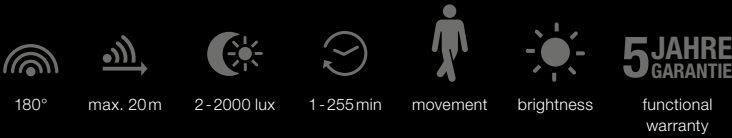
Output, photo-cell controller: brightness-dependent
switching
Further outputs: light level, sabotage protection
Twilight setting: 2 - 2000 lux
Time setting: 1 - 255 min
IP rating / protection class: IP 54 / II
Temperature range: -20°C - +50°C
Material: UV-resistant plastic (casing), HDPE (lens)
Accessories: remote controls RC6, RC7, Smart Remote

IS 345 MX Highbay KNX
Surface-mounted installation,
square (66 x 95 x 95 mm)
EAN 4007841 011666

Concealed installation,
square (78 x 94 x 94 mm)
EAN 4007841 033941

Great performers for industry and business.
100% surveillance over up to 500 m².
IS 3180 KNX

These sensors are the perfect choice when it comes to protecting industrial and business premises and making them secure. It is important to have far-sighted guards that instantly respond to any movement. The IS 3180 KNX is made for the job. The IP 54 rating reliably protects its inner values: featuring top-calibre components such as two precision modular pyro sensors and a multi-lens, it watches over almost every last inch of areas measuring a good 500 m². The concealed installation sensor that combines everything that's important to electrical fitters and security personnel.



Technical specifications

Power supply: KNX bus voltage
Sensor technology: passive infrared
Angle of coverage: 180° with 90° angle of aperture
Reach: basic setting 1: 8 - 20 m, basic setting 2: 4 - 8 m
KNX parameters:
Output, light: 2 channels, including dimming level and basic light level
Output, presence: switching response irrespective of ambient light level
Output, HVAC: switching response irrespective of ambient light level

Output, photo-cell controller: lights switched on and off in relation to ambient brightness
Further outputs: light level, sabotage protection
Twilight setting: 2 - 2000 lux
Time setting: 1 - 255 min
IP rating / protection class: IP 54 / II
Temperature range: -20°C - +50°C
Material: UV-resistant plastic (casing), HDPE (lens)
Accessories: remote controls RC6, RC7, Smart Remote

IS 3180 KNX
Surface-mounted installation, square (95 x 95 x 66 mm)
EAN 4007841 011628



Outdoors at home.
Outdoor sensors for the KNX system.

Whether on building exteriors, carports, patios or car parks, our KNX outdoor sensors give you maximum precision for reliable detection and lighting. Integrated in the KNX system, they are at the service of interconnected and intelligent building automation. Ease of operation and straightforward installation go hand in hand with weatherproof robustness. With their award-winning design, they underscore the exacting architectural demands placed on form and functionality.

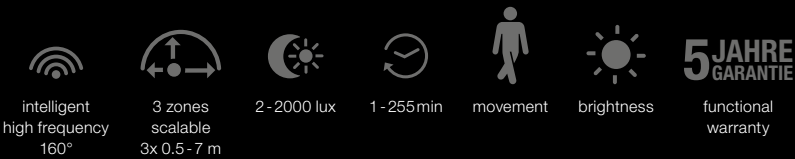


iHF 3D KNX sensIQ KNX sensIQ S KNX

Application	Entrances, loading ramps, exterior facades		
Detection zone	0.5 - 7 m	3 x 20 m	3 x 20 m
Mounting height	2 m	2 - 5 m	2 - 5 m
Page	54	56	58

Makes all the difference outside.
Precisely where you want it to.
iHF 3D KNX

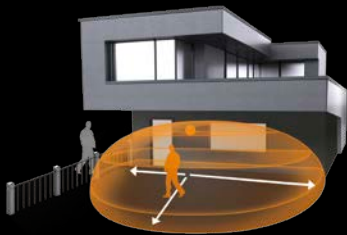
No omissions, no compromises, no errors. The iHF 3D KNX is the perfect motion detector for outdoors. Whether on facades, carports, patios or car parks – the intelligent high-frequency sensor only switches light on when it's really needed. Firstly, because it can distinguish between human movements and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



Technical specifications
Power supply: KNX bus voltage
Mounting: wall
Sensor technology: iHF (intelligent high-frequency technology)
Angle of coverage: 160°
Reach: 0.5 - 7 m, adjustable in 3 directions by turning
KNX parameters:
Output, light: 2 channels, including soft light and basic light level
Output, presence: switching response irrespective of ambient light level
Output, distance: switching response in relation to the distance of movement detected

Output, movement profile: switching response in relation to the direction of movement (coming, going, from left/right/front)
Output, photo-cell controller: lights switched on and off in relation to ambient brightness
Further outputs: light level, sabotage protection
Twilight setting: 2 - 2000 lux
Time setting: 1 - 255 min
IP rating / protection class: IP 54 / II
Material: UV-resistant plastic (casing), HDPE (lens)
Incl. wall mount
Accessories: remote controls RC6, RC7, Smart Remote

iHF 3D KNX
EAN white 4007841 007607
EAN black 4007841 007614
EAN anthracite 4007841 007621



The king of motion detectors.
Reference class all round.
sensIQ KNX

Most motion detectors sit around inconspicuously on a wall or ceiling. Not so the sensIQ KNX. Its design is so spectacular that 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. On this note: welcome to the world of almost endless possibilities!



3 x 100°



3 zones
scalable
2 - 20 m



2 - 2000 lux



1 - 255 min



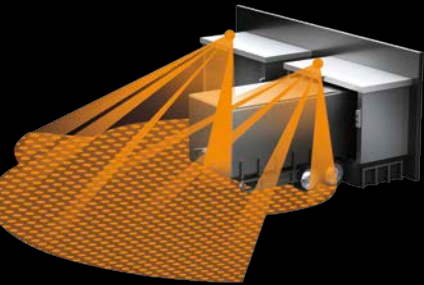
movement



brightness

5 JAHRE
GARANTIE

functional
warranty



Technical specifications
Power supply: KNX bus voltage
Installation: ceiling, wall, corner
Sensor technology: passive infrared
Angle of coverage: 300° with 180° angle of aperture
Reach: 3 x 20 m,
adjustable in 3 directions by turning
Twilight setting: 2 - 2000 lux
KNX parameters:
Output, light: 2 channels including basic light level
and constant light
Output, presence: switching response irrespective of
ambient light level

Outputs left, right, front, close range: switching response
in relation to the movement detected by the respective pyro
Output, photo-cell controller: lights switched on and off in
relation to ambient brightness
Further outputs: light level, sabotage protection
Master/slave interconnection possible: yes
Individual pyro evaluation possible: pyros 1 - 4 (bright-
ness-related, stay ON time (in min.), telegram type,
switch-on level, output with sufficient daylight)
IP rating / protection class: IP 54 / II
Time setting: 1 - 255 min
Material: UV-resistant plastic (casing), HDPE (lens)
Incl. wall mount
Accessories: remote control RC9, Smart Remote

sensIQ KNX
EAN white 4007841 029593
EAN black 4007841 029609
EAN stainl. steel 4007841 029616

The perfect reference.
Compact design also with KNX.
sensIQ S 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 its big brother, the sensIQ. 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.



3 x 100°



3 zones
scalable
2 - 20 m



2 - 2000 lux



1 - 255 min



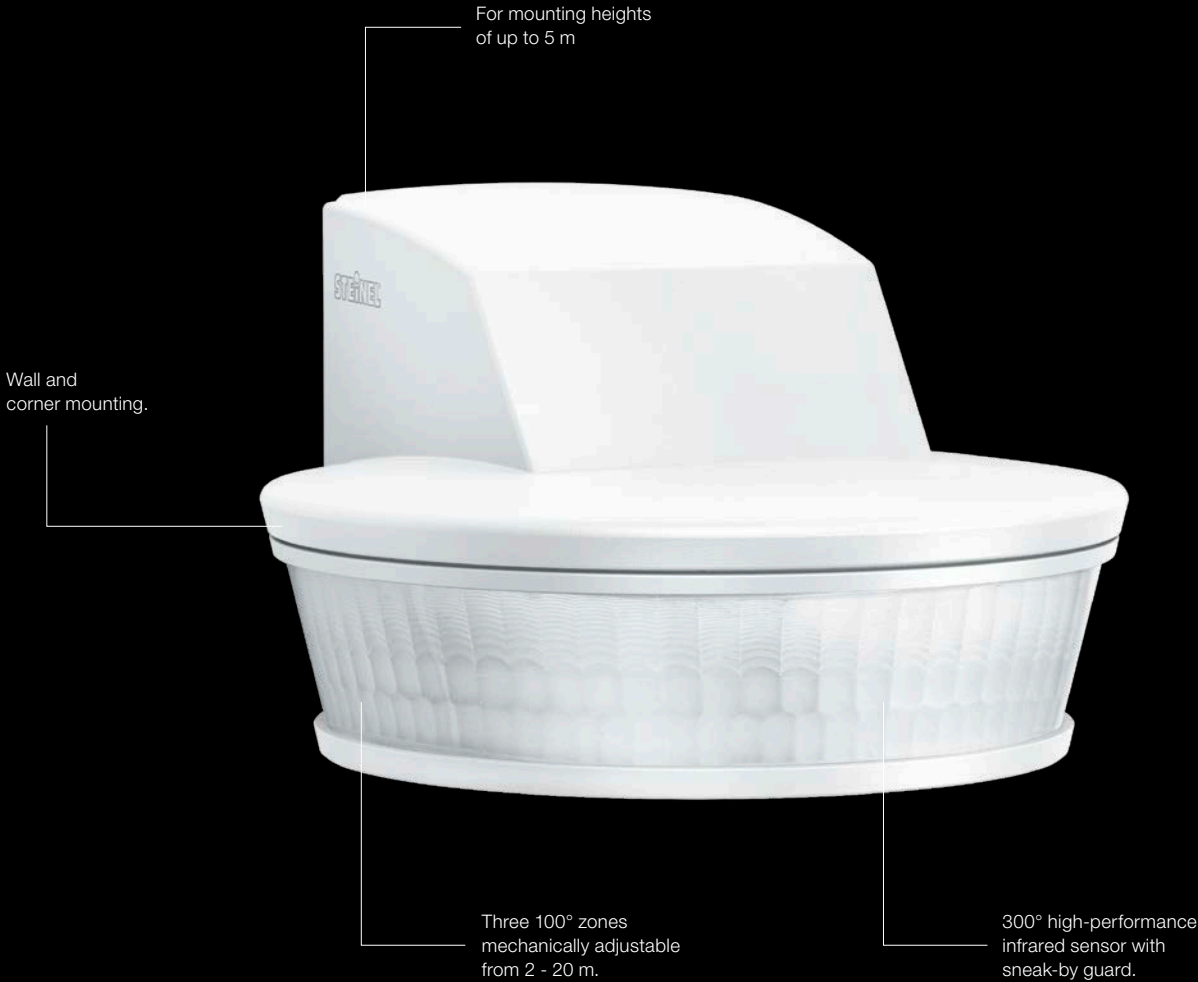
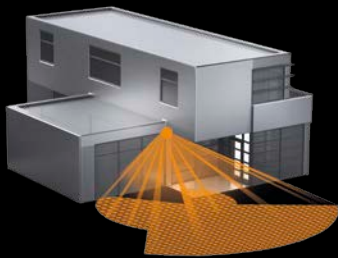
movement



brightness



5 JAHRE
GARANTIE
functional
warranty



Technical specifications
Power supply: KNX bus voltage
Installation: wall, corner
Sensor technology: passive infrared
Angle of coverage: 300° with 180° angle of aperture
Reach: 3 x 20 m, adjustable in 3 directions by turning
KNX parameters:
Output, light: 2 channels including basic light level
Output, presence: switching response irrespective of ambient light level
Output, close range: switching response in relation to the movement detected by the close range pyro

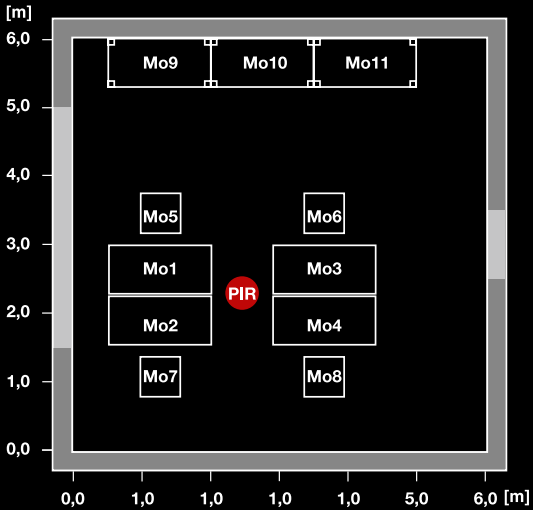
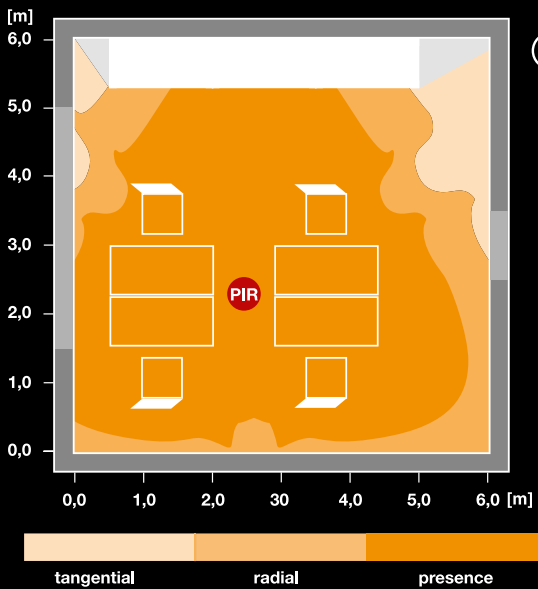
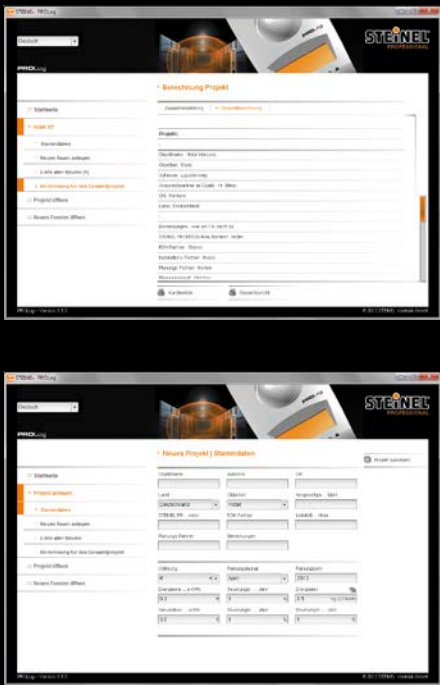
Output, photo-cell controller: lights switched on and off in relation to ambient brightness
Further outputs: light level, sabotage protection
Master/slave interconnection possible: yes
Individual pyro evaluation possible: pyros 1 - 4 (brightness-related, stay ON time (in min.), telegram type, switch-on level, output with sufficient daylight)
Twilight setting: 2 - 2000 lux
Time setting: 1 - 255 min
IP rating / protection class: IP 54 / II
Material: UV-resistant plastic (casing), HDPE (lens)
Incl. wall mount
Accessories: remote control RC9, Smart Remote

sensIQ S KNX
EAN white 4007841 004064
EAN black 4007841 004057
EAN stainl. steel 4007841 004040

Spot on rather than a rough estimate.

STEINEL PROFESSIONAL

Planning tools.



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 a rough estimate. Overwhelming example calculations and generalisations are often far off the mark, leaving you to think you can save far more than is 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, together with the PROLog software, gives you 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? This 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.

Available for download at www.relux.ch

DIALux

With out 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, this software has been used by hundreds of thousands of lighting planners across the world.

The light planning and visualisation data is 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 to download at www.dial.de.

Quality and service



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 isn't 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: +49 (0)5245 448 188
- E-mail: service@steinel.de
- 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 guaranteed for genuine STEINEL parts



Free planning service

- PROLog / DIALux / Relux
- Phone: +49 (0) 5245 448 307
- Fax: +49 (0) 5245 448 308
- E-mail: objekte@steinel.de



STEINEL Academy

- our own Training Centre in Herzebrock is available to you and our mutual customers
- Phone: +49 (0) 5245 448 0
- E-mail: academy@steinel.de



STEINEL near you

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

STEINEL Vertrieb GmbH | Dieselstr. 80-84 | 33442 Herzebrock-Clarholz | Germany
Phone +49 (0) 5245-448-0 | Fax +49 (0) 5245-448-197

www.steinel-professional.de | www.youtube.com/steinelgmbh

STEINEL®