STEINEL® HOME
German Quality

GB

Efficient Lighting for the Home.



STEINEL® HOME

Efficient Lighting for the Home.

Motion Detectors

SensorLights for Outdoors

SensorLights for Indoors

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Photoelectric Lighting Controllers
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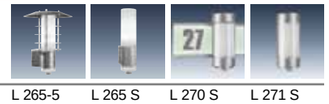

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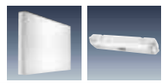

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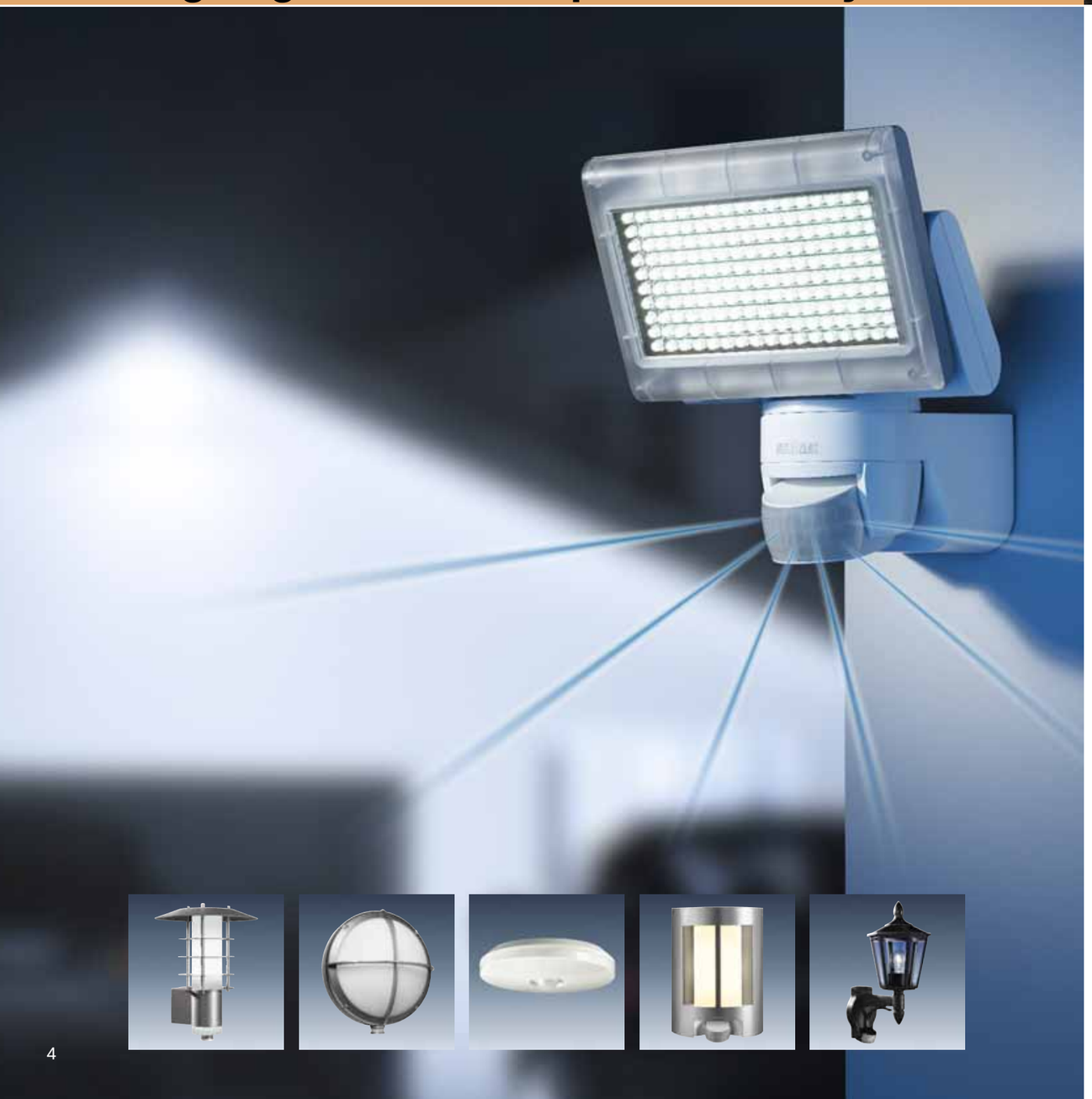
Highlights for People of Today





Steinel. The original.
Products for People and the Environment

Intelligent energy saving. It was with this vision that STEINEL invented the world's first SensorLight over 20 years ago. A milestone in convenience, safety, security and saving energy. As a result, everyone today can help reduce CO_2 emissions and slow down climate change. Yet with intelligent lighting control from STEINEL, you're not only doing the environment a favour: Using less energy saves you money and light that switches 'ON' automatically brings significantly more convenience to everyday life. This way, people and the environment benefit from our idea. Treat yourself to the original! Because "made by STEINEL" is synonymous with practical functionality, quality and long life.

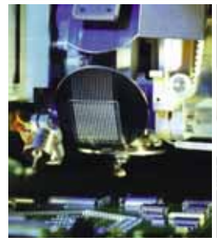
As brand and technology leader, we develop and manufacture products of world renown at five locations in Europe. In German Quality.

Our strength – the benefits to you:

- In-house research and development with toolmaking and prototype construction.
- In-house production of electronics, plastics and injection mouldings.
- Quality management system certified to DIN EN ISO 9001 and products that carry all of the relevant test marks.









STEINEL HOME German Quality

Brand with responsibility



Technology for life
We develop products that benefit people. This mission statement also includes our ecological responsibility. For instance, intelligent STEINEL sensor technology ensures maximum energy efficiency in lighting applications, significantly easing the strain on the environment. And we also pay strict attention to ecological compatibility in developing and manufacturing our products. To this end, we have established a uniform standard at all STEINEL sites across the globe incorporating all relevant national and international guidelines. Among other aspects, this also implements the comprehensive RoHS guideline on the restriction of the use of certain hazardous substances in electrical and electronic equipment. As part of its product responsibility, STEINEL is also involved in implementing the German Electrical and Electronic Equipment Act (ElektroG).

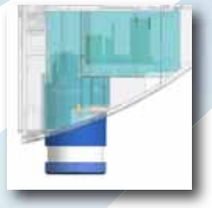


To us, responsibility is a commitment that covers all parts of our company and everything it does: product quality, innovation, service and sustainability.

Quality management system

DQS-certified to DIN EN ISO 9001: 2008

Quality
For Steinel, German quality is a challenge and a commitment. We meet this commitment with expertise from over 50 years of manufacturing practice and our own factories in Europe. With every day that passes – with every item we produce. Quality made in Europe. This is why it goes without saying that our products carry a 36-month guarantee on proper working order.
And, of course, STEINEL has been awarded certification under the current standard on quality management.



Innovation
Our strength is innovation. We not only invented the sensor light but continue to play a key part in constantly improving its technology. Watt-o-matic, mini-sensor, the HF-sensor system and the use of highly efficient LED technology are just some of the forward-pointing innovations that distinguish STEINEL as a pace-setter in energy-saving lighting concepts.
In-house development and design ensure that we will remain technology and brand leader in energy-efficient lighting concepts in the future too.



Service
As a quality-focused brand manufacturer, we attach importance to first-class service. We will be pleased to provide you with help and advice on any matter concerning sensor technology. Also typical STEINEL is the guaranteed availability of replacement glass shades over a period of 5 years.
Our own merchandisers and trained sales representatives provide optimum support at the point of sale, for an effective replacement-part and repair service that guarantees maximum customer satisfaction. A hot line is available for urgent matters (+49 (0)5245 448 188).



Sustainability
We take our responsibility seriously. For STEINEL, adhering to European legislation and work regulations at all of our factories for the well-being and protection of staff and the environment goes without saying. On top of this, we keep transport distances short to reduce CO_2 emissions and ensure that on reaching the end of their useful life products are disposed of in a way that is kind on the environment. Plastics are recycled wherever possible.
Not least, we use plastics and components that last for a long product life to ease the strain on the environment.

ENERGIE EFFIZIENZ made in Germany

Energie clever nutzen

STEINEL®

Intelligent Energy Saving

Light only when it's needed.

About 19 % of the energy used world-wide goes on lighting. This equates to an annual demand of about 2,650 terrawatt-hours. Much of this gigantic amount is wasted – partly by leaving lights switched 'ON' unnecessarily.

With sensor technology from STEINEL, wasting this resource is a thing of the past: Light comes 'ON' automatically when you enter a room. And switches 'OFF' again when you leave. What's more, using low-energy lamps with our sensor lights is not a problem either. This way, lighting from STEINEL helps to save huge quantities of energy, CO_2 emission and costs.
Besides this: Lights that switch 'ON' automatically enhance everyday convenience, safety and security.
That's "intelligent energy saving".

www.**energieclevernutzen**.de



Light 'ON'. Light 'OFF'. Controlled by sensor.



You will also find a program on our website that can calculate energy savings exactly.



The optimum solution for any situation

Energy-saving sensor technology from STEINEL can be used wherever light is needed.
Whether indoors or out, spot lighting or illuminating large spaces: Using the sensor products from the brand and technology leader, environment-friendly lighting is achievable here and now. This way, everyone can help to make a better future.









STEINEL® HOME German Quality

Light 'ON'. Light 'OFF'. Sensor-controlled

Automatic lights are created by using motion sensors. This is where two different technologies are employed: HF-sensors (see page 76) are the ideal solution for indoors. Outdoors, only passive infrared (PIR) sensors are used.

Heat radiation as a remote controller

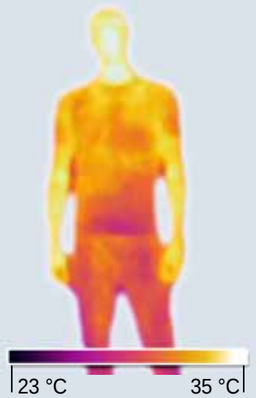
The heart of a PIR sensor system is what's called a pyro-sensor. This electronic component responds to any fluctuation in incident infrared heat radiation with a change in voltage.

As all individuals give off infrared radiation through body heat, they automatically change the thermal image detected by the sensor on entering the system's field of vision. The sudden rise in voltage this causes is processed by the electronics for switching 'ON' light.

For sensor systems to respond to movements within the detection zone, they are equipped with a segment lens. This divides the pyro-detector's field of vision into active and passive zones (zones not visible to the sensor). When a heat source crosses a zone boundary, the IR radiation received changes for the sensor which then emits a signal.

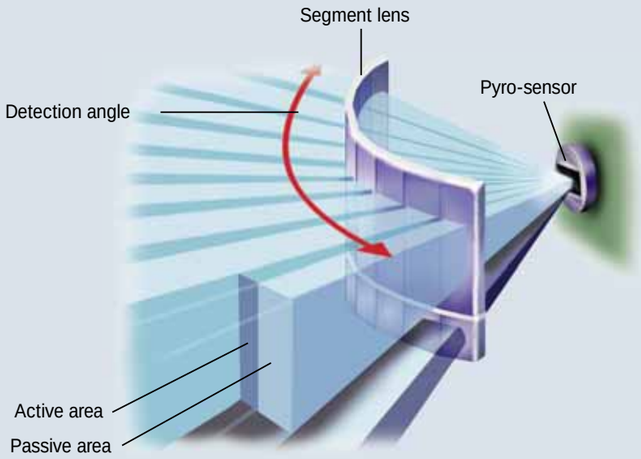
Multi-sensor technology

STEINEL has developed the multi-sensor system for applications placing particularly exacting demands on the size of the detection zone. Within the system, two or even three pyro-sensors are positioned at a specific angle to each other that adds their detection zones together.



Heat radiated from the human body

Any object with a temperature above absolute zero (-273° C) gives off electromagnetic radiation. Given the temperature range of the human body, this radiation lies in the infrared portion of the spectrum. It is used by infrared sensors to detect people moving.



The segment lens

focuses IR radiation from its surroundings onto the sensor and divides the areas covered in active and passive zones (zones masked out for the sensor). The boundary between these zones forms what is called a switching zone as the sensor registers any person or object crossing this boundary as a fluctuation in radiation and emits a signal.

The segment lenses used are simple Fresnel lenses or STEINEL's high-performance multi-lens.

Multi-sensor technology

increases the size of the detection zone by means of two (illustrated) or three identical pyro-sensors within the system.

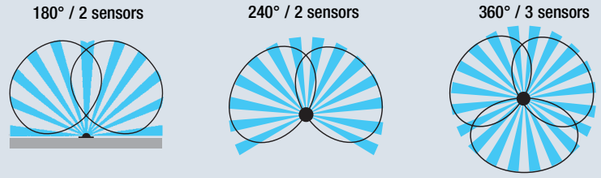


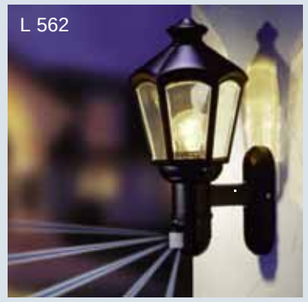




Multi-lenses

STEINEL sensors with multi-lenses provide a coverage angle of 180°, 240° or 360°.

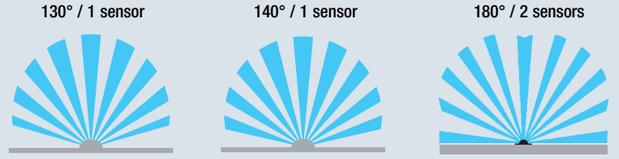




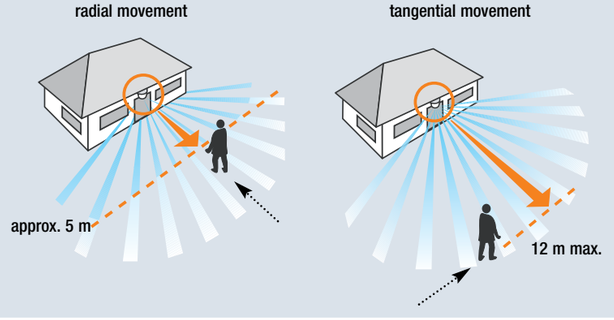


Fresnel lenses

STEINEL sensors with Fresnel lenses provide a coverage angle of 130°, 140° or 180°.



Reach in relation to the direction of movement



Segment lenses

STEINEL multi-lens technology

Multi-lens technology (MLT) provides uninterrupted coverage of a semi-spherical detection zone. This makes it the ideal lens system for motion detectors with double or triple sensors.

Fresnel lenses

Fresnel lenses provide the simplest means of segmenting the detection zone of an infrared detector. A system of individual lenses is arranged here in the form of an arc. With a maximum coverage angle of 180°, they can watch over an area of up to 225 m^2. A second optical window below the main detection zone makes it virtually impossible to creep past underneath the sensors without being detected.

Reach

STEINEL sensors generally provide a max. reach of 12 m that may be shorter when walking in a radial direction (towards the sensor).

Mini-sensor: Elegant, efficient and intelligent

Developing the mini-sensor, STEINEL has adopted a whole new approach to creating PIR sensor systems. A spherical segmented mirror guides ambient IR radiation onto a state-of-the-art and extremely efficient IR sensor chip. This configuration not only makes it possible to keep the system extremely small, it also permits the reliable detection of movement in a full 360° circle.

The new operating concept

To permit rapid, intuitive adjustability of the sensor electronics to individual user needs, the entire sensor module can be taken out of the light, set in your own time, plugged back in again and securely locked in place.

While settings are being made, the light switches itself 'ON' as soon as the sensor is removed. This is practical at twilight or during the night. All of the information you need to know is printed in the sensor module itself, obviating the need for any operating instructions.





Plug and save

The mini-sensor module plugs in and can be removed for conveniently setting the light's functions.



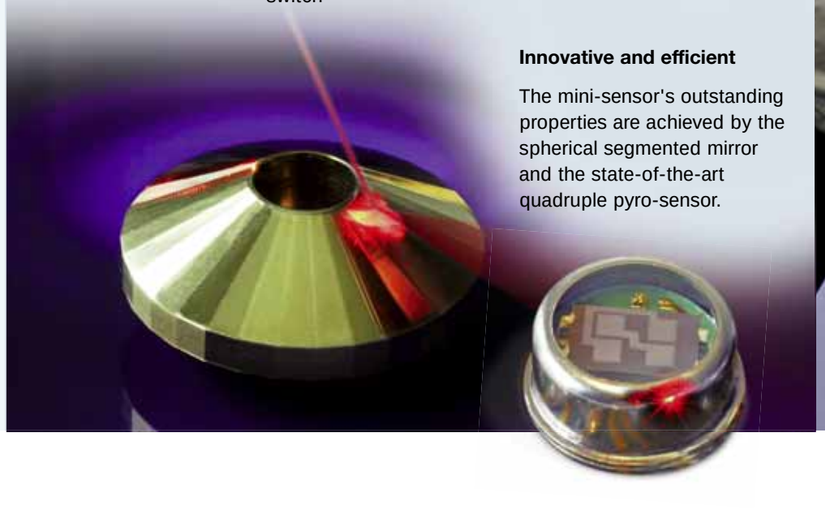
The function programmes

1 Standard programme (pre-set) for light bulbs: Light soft start/soft end, no basic brightness at dusk.

2 Comfort programme for light bulbs: Light soft start/soft end, 25% basic brightness at dusk.

3 Comfort economy programme for light bulbs: Light soft start/soft end, 25% basic brightness up to midnight (the middle of the night is determined by the solar cycle measured).

4 Low-energy lamp programme: Light 'ON' in response to movement, light 'OFF' again after time set. No soft start, no basic brightness.



Innovative and efficient

The mini-sensor's outstanding properties are achieved by the spherical segmented mirror and the state-of-the-art quadruple pyro-sensor.



Setting capabilities

Adjustment range

STEINEL sensors with a coverage angle of less than 180° are equipped with lenses that can be tilted and turned for exact adjustment to the situation at the point of installation.

Shrouds

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

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.

Time setting

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

Watt-o-matic (brightness control)

Provides the capability of adjusting basic brightness from 0 – 50% of SensorLight output. When movement is detected, the SensorLight switches to full power. Shows the way from a distance and frightens off uninvited guests.

Soft light start and soft end

Elegantly increases output from the lamp in the SensorLight to 100% power. That's kind on the eye and helps to prolong lamp life!

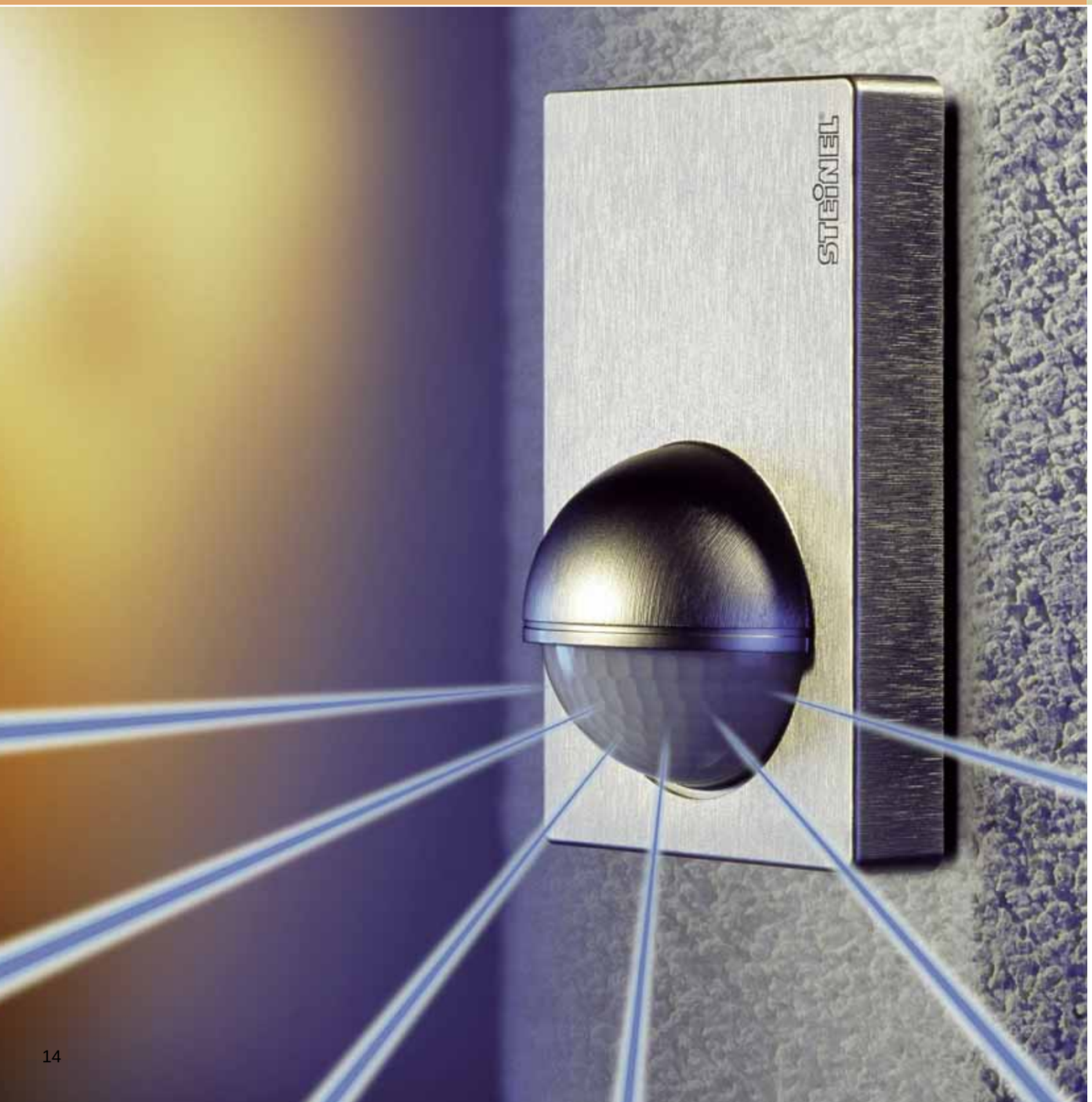
Manual override

Many of STEINEL's SensorLights can be set to stay 'ON' permanently for 4 hours by operating a switch twice. Afterwards, the light automatically returns to sensor mode.



Motion Detectors for Outdoors



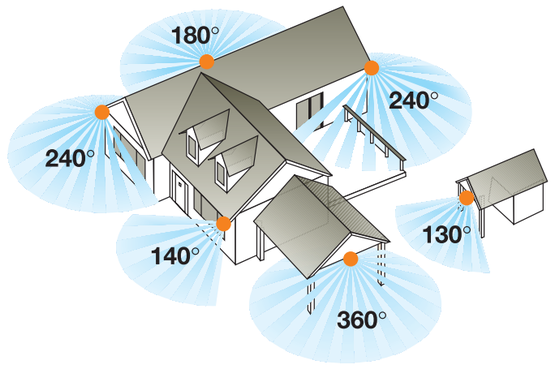


Switches that can see

Steinel Infrared sensors respond to heat radiated from moving persons and use this ability, for example, to switch a light 'ON' and, after a selectable period of time, 'OFF' again.

- STEINEL infrared sensors also bring modern-day convenience to lights that are already installed.
- Generous reach and coverage angles of 130° to 360° for a whole range of applications.
- Sneak-by guard for complete surveillance.
- Reliable operation, even in adverse weather conditions.
- Twilight threshold and light 'ON' duration can be set to meet individual needs.
- Easy installation, even on internal and external corners.
- Ideal too for indoor areas, such as corridors and basement rooms.

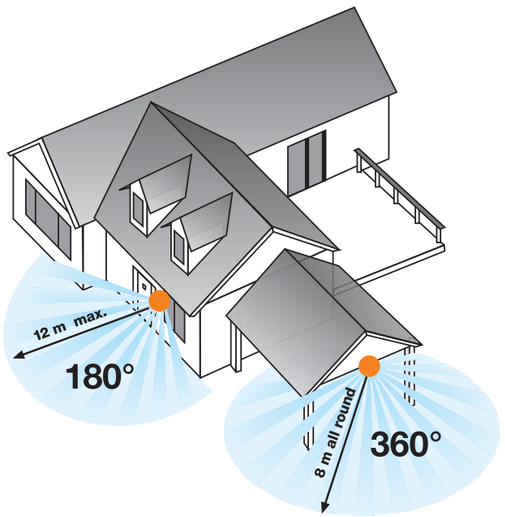




36 month FUNCTIONAL WARRANTY

STEINEL German Quality

For walls





IS 180-2

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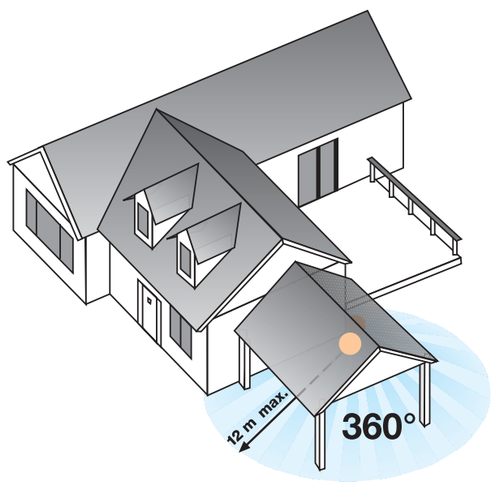
IS NM 360

Page 20/21

Designation	IS 180-2	IS NM 360
Angle of coverage	**180°**	**360°**
Reach	12 m max.	8 m all round
For areas as large as	200 m²	240 m²

For ceilings



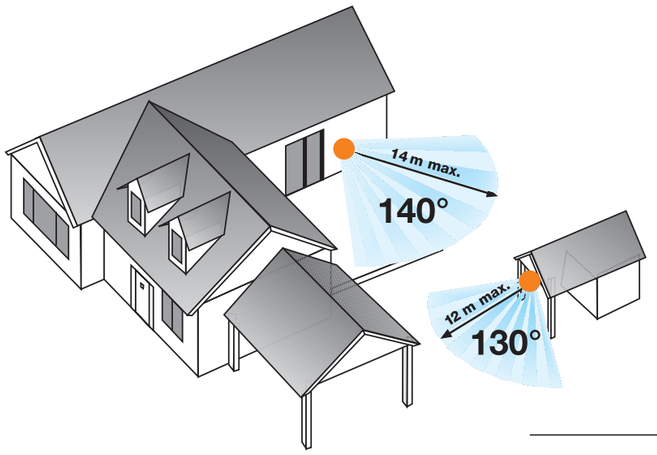




IS 360 D

Page 24

Designation	IS 360 D
Angle of coverage:	**360°**
Reach	12 m max.
For areas as large as	350 m²





IS 130-2

Page 18

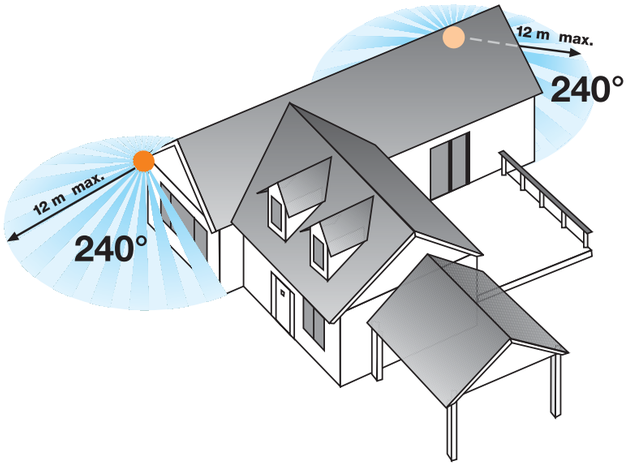


IS 140-2

Page 19

Designation	IS 130-2	IS 140-2
Angle of coverage	**130°**	**140°**
Reach	12 m max.	14 m max.
For areas as large as	150 m²	239 m²

For house corners





IS 240

Page 23

Designation	IS 240
Angle of coverage:	**240°**
Reach	12 m max.
For areas as large as	230 m²

IS 130-2

**Facelift for the top-selling sensor.
Infrared sensor, ideal for watching over areas in front of the home and in driveways.**

The IS 130-2 is the attractively priced gateway to the world of motion-activated switching that offers tried and proven technology for outstanding detection quality in a new design. It reliably watches over areas of up to 150 m².

Setting options

- The tilting and swivelling multi-lens permits exact adjustment of the detection zone to suit individual requirements.
- Simple adjustment of light 'ON' time and twilight threshold by control dial.

Installation advantages

- Clearly designed terminal compartment for fast, easy wiring.







Infinitely variable adjustment of light 'ON' time and twilight threshold





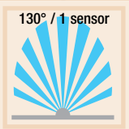


IS 130-2	black	white	silver
EAN 4007841...	**660215**	**660314**	**660116**
Dimensions (HxWxD)	130 x 78 x 84 mm		
Output	600 W max. (resistive load, e.g. filament bulb) 500 W max. (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamp), electronic ballasts, capacitive, e.g. low-energy lamp, 6 each max., C ≤ 132 µF		
Voltage	230 – 240 V/50 Hz		
Detection angle	130° with sneak-by guard		
Adjustment range	50° horizontally, 90° vertically		
Reach	12 m max.		
Twilight setting	2 – 2000 lux		
Time setting	8 sec. – 35 min.		
IP rating	IP 54		
Safety class	II		

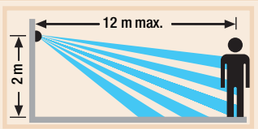
Main features at a glance



Detection zone



Detection angle



Perfect detection with sneak-by guard


90° vertically


50° horizontally

IS 140-2

The classic sensor – all new.

Offering even more horizontal and vertical adjustment angles, more reach and more detection precision, the IS 140-2 reliably watches over any area you want it to. Better than ever, its optical system with precision, spherical lenses detects people with even greater accuracy and provides a uniquely constant reach.

Setting options

- Swivelling and tilting optical system for exact adjustment of the detection zone.
- Simple adjustment of light 'ON' time and twilight threshold by control dial.

Installation advantages

- Clearly designed terminal compartment for fast, easy wiring.
- Corner wall mount available (outside corners).







IS 140-2	black	white
EAN 4007841...	**608811**	**608910**
Dimensions (HxWxD)	70 x 86 x 95 mm	
Output	1000 W max. (resistive load, e.g. filament bulb) 500 W max. (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamp), electronic ballasts, capacitive, e.g. low-energy lamp, 6 each max., C ≤ 132 µF	
Voltage	230 – 240 V/50 Hz	
Detection angle	140° with sneak-by guard	
Adjustment range	180° horizontally, 90° vertically	
Reach	14 m max. (temperature-stabilised)	
Twilight setting	2 – 2000 lux	
Time setting	8 sec. – 35 min.	
IP rating	IP 54	
Safety class	II	
Optional accessories EAN 4007841...	Corner wall mount 07 for installation on external corners **631864** black **631765** white	

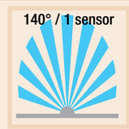




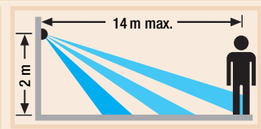
Main features at a glance



Detection zone



Detection angle



Perfect detection with sneak-by guard


90° vertically


180° horizontally


Detecting movement along outside walls


Function setting

STEINEL HOME German Quality



IS NM 360



Intelligence and aesthetics perfectly combined

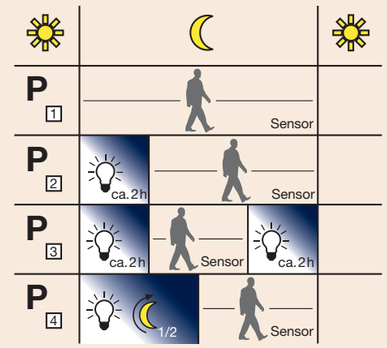
Outstanding functionality in a unique, new design. There's no better way to describe this visually discreet yet inspiringly different sensor. Its concealed controls permit an almost new kind of functional flexibility. There are 4 sensor and NightMatic combinations to chose from for controlling light just as you please.

Setting options

- Detection zone of motion detector can be limited using the shrouds provided.
- Easy, convenient selection of light 'ON' time, twilight threshold and programmes on removable sensor module.
- 4 function programmes geared to practical requirements.

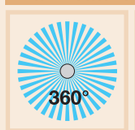


	IS NM 360	
	black	**white**
EAN 4007841...	**609214**	**609313**
Dimensions (HxWxD)	114 x 100 x 58 mm	
External switching capacity	1000 W max. (resistive load, e.g. filament bulb) 500 W max. (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamp), electronic ballasts, capacitive, e.g. low-energy lamp, 6 each max., C ≤ 132 µF	
Voltage	230 – 240 V/50 Hz	
Detection angle	360° with sneak-by guard	
Reach	8 m all round (mounted at a height of 1.75 – 2 m)	
Twilight setting	2 – 2000 lux	
Time setting	5 sec. – 15 min.	
Manual override	selectable 4 h	
IP rating	IP 54	
Safety class	II	

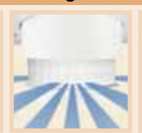


1. Sensor mode only
2. Approx. 2 hours of constant light in the evening – light only comes 'ON' after then in response to movement
3. Approx. 2 hours of constant light in the evening and morning, with light only coming 'ON' between then in response to movement
4. Constant light up to midnight – light only comes 'ON' after then in response to movement

Main features at a glance



Angle of coverage: 360°



Perfect coverage with sneak-by guard



Coverage angle reduction



Setting functions



Manual override 2 x OFF/ON

IS 180-2

Infrared wall sensor in slimline stylish design, ideal for watching over the fronts of large homes.

The IS 180-2 combines modern, sleek design with state-of-the-art sensor technology. Two highly sensitive infrared detectors positioned at a specific angle to each other to provide reliable, uninterrupted coverage of areas as large as 200 m².

Setting options

- Reach can be set to a maximum of 12 m or 5 m by turning the multi-lens.
- Detection zone can be limited by fitting the shrouds supplied.
- Simple adjustment of light 'ON' time and twilight threshold by control dial.

Installation advantages

- Clearly designed terminal compartment for fast, easy wiring.

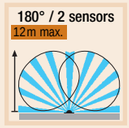




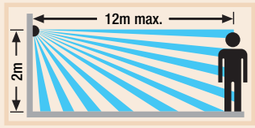
IS 180-2			
	black	**white**	**stainless steel effect**
EAN 4007841...	**603113**	**603212**	**603618**
Dimensions (HxWxD)	120 x 76 x 56 mm		
Output	1000 W max. (resistive load, e.g. filament bulb) 500 W max. (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamp) electronic ballasts, capacitive, e.g. low-energy lamp, 6 each max., C ≤ 132 µF		
Voltage	230 – 240 V/50 Hz		
Detection angle	180° with 90° angle of aperture		
Reach	2 basic settings: 12 m or 5 m max.		
Twilight setting	2 – 2000 lux		
Time setting	10 sec. – 15 min.		
IP rating	IP 54		
Safety class	II		
Accessories	Including corner wall mount for mounting on external and internal corners		



2 basic reach settings possible



Detection zone



Multi-lens technology for perfect detection

Reducing coverage angle

Setting functions

Arranged in segments, the sensor lens is visibly divided into two detection zones. Two basic reach settings of 12 m or 5 m max. can be preselected simply by turning the multi-lens.



IS 240 DUO

Infrared wall sensor, ideal for watching over large areas as well as external corners.

The IS 240 DUO is equipped with two highly sensitive infrared detectors positioned at a specific angle to each other and reliably watches over every inch of areas as large as 230 m². Mounted on external corners, it watches over two house walls, saving the need for a second sensor.

Setting options

- Detection zone can be limited by fitting the shrouds supplied.
- Simple adjustment of light 'ON' time and twilight threshold by control dial.

Installation advantages

- Clearly designed terminal compartment for fast, easy wiring.





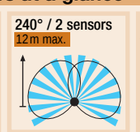
IS 240 DUO		
	black	**white**
EAN 4007841...	**602710**	**602819**
Dimensions (HxWxD)	90 x 60 x 100 mm	
Output	1000 W max. (resistive load, e.g. filament bulb) 500 W max. (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamp) electronic ballasts, capacitive, e.g. low-energy lamp, 6 each max., C ≤ 132 µF	
Voltage	230 – 240 V/50 Hz	
Detection angle	240° with 180° angle of aperture	
Adjustment range	± 80° precision adjustment of sensor housing	
Reach	12 m max. (temperature-stabilised)	
Twilight setting	2 – 2000 lux	
Time setting	10 sec. – 15 min.	
IP rating	IP 54	
Safety class	II	
Optional accessories EAN 4007841...	Corner wall mount 01 for installation on external corners **630119** black **630218** white	



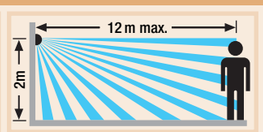
Main features at a glance



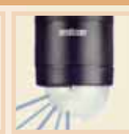
Detection zone



Coverage angle



Multi-lens technology for perfect detection


Coverage angle reduction


Setting functions



IS 360 D TRIO



Infrared ceiling sensor, ideal for uninterrupted, all-round detection under ceilings, porches, carports, overhanging roofs or balconies.

The IS 360 D TRIO is equipped with three highly sensitive infrared detectors positioned a specific angle to each other to provide reliable, uninterrupted all-round protection of areas as large as 350 m² beneath it.

Setting options

- Detection zone can be limited by fitting the shrouds supplied.
- Simple adjustment of light 'ON' time and twilight threshold by control dial.

Installation advantages

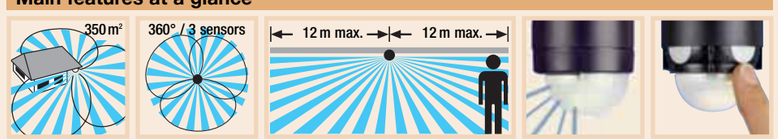
- Clearly designed terminal compartment for fast, easy wiring.





IS 360 D TRIO	black	white
EAN 4007841...	602512	602611
Dimensions (HxWxD)	100 x 120 x 120 mm	
Output	1000 W max. (resistive load, e.g. filament bulb) 500 W max. (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamp), electronic ballasts, capacitive, e.g. low-energy lamp, 6 each max., C ≤ 132 µF	
Voltage	230 – 240 V/50 Hz	
Detection angle	360° with 180° angle of aperture	
Adjustment range	± 10° precision adjustment of lens	
Reach	12 m max. (temperature-stabilised)	
Twilight setting	2 – 2000 lux	
Time setting	10 sec. – 15 min.	
IP rating	IP 54	
Safety class	II	

Main features at a glance



Detection zone | Coverage angle | Multi-lens technology for perfect detection | Coverage angle reduction | Setting functions

IS 1



Costs less than most people think.

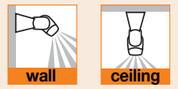
Perfected technology and upmarket design needn't cost a fortune. The latest case in point: The IS 1 provides outstanding value for money that more than meets the challenges in this segment.

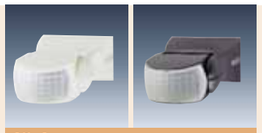
Setting options

- The tilting and swivelling sensor lens permits exact adjustment of the detection zone to suit individual requirements.
- Simple adjustment of light 'ON' time and twilight threshold by control dial.

Installation advantages

- Clearly designed terminal compartment for fast, easy wiring.
- Can be mounted to walls and ceilings.
- Tilts and turns.





IS 1	white	black
EAN 4007841...	600310	600419
Dimensions (HxWxD)	50 x 80 x 120 mm	
Output	500 W max. (resistive load, e.g. filament bulb) 500 W max. (uncorrected, inductive, cos φ = 0.5) electronic ballasts, capacitive, e.g. low-energy lamp, 4 each max., C ≤ 88 µF	
Voltage	230 – 240 V/50 Hz	
Detection angle	120°	
Reach	10 m max.	
Twilight setting	2 – 2000 lux	
Time setting	8 sec. – 35 min.	
IP rating	IP 54	
Safety class	II	



Main features at a glance



Angle of coverage 120° | Perfect detection | Setting functions | 180° vertically | ± 30° horizontally | Reducing the angle of coverage



IS LED

2in1



LED

Low energy consumption and long life

The world has never seen anything like this before.

The IS LED combines timeless, aesthetic design with practical benefits. Just like any other motion detector, for instance, it switches an external light 'ON' and 'OFF' again. At the same time, though, the IS LED is also a house number illuminated by LEDs. This unique, practical and stylish combination can be used for all sorts of applications.

This is how they work

- Three LED function programmes geared to practical needs:
  1. 'ON' at twilight threshold, all night
  2. 'ON' at twilight threshold to the middle of the night.
  3. 'ON' when movement is detected
- When movement is detected, the light connected switches 'ON' and 'OFF' again independently of the programme.
- Manual override (4h) can be selected at a mains power switch connected to the light.

Setting options

- Detection zone of motion detector can be limited using the shrouds provided.
- Easy, convenient selection of light 'ON' time, twilight threshold and programmes on removable sensor module.



IS LED

	silver
EAN 4007841...	**600112**
Dimensions (HxWxD)	155 x 155 x 65 mm
Output	1000 W max. (resistive load, e.g. filament bulb) 500 W max. (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamp) electronic ballasts, capacitive, e.g. low-energy lamp, 6 each max., C ≤ 132 µF
LED output	approx. 1 W
Voltage	230 – 240 V/50 Hz
Detection angle	360° with sneak-by guard
Reach	8 m all round (mounted at a height of 1.75 – 2 m)
Twilight setting	2 – 2000 lux
Time setting	5 sec. – 15 min.
Manual override	selectable
IP rating	IP 54
Safety class	II





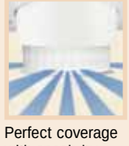




Main features at a glance



Angle of coverage: 360°



Perfect coverage with sneak-by guard



Coverage angle reduction



Setting functions



Manual override 2 x OFF/ON

Installation advantages

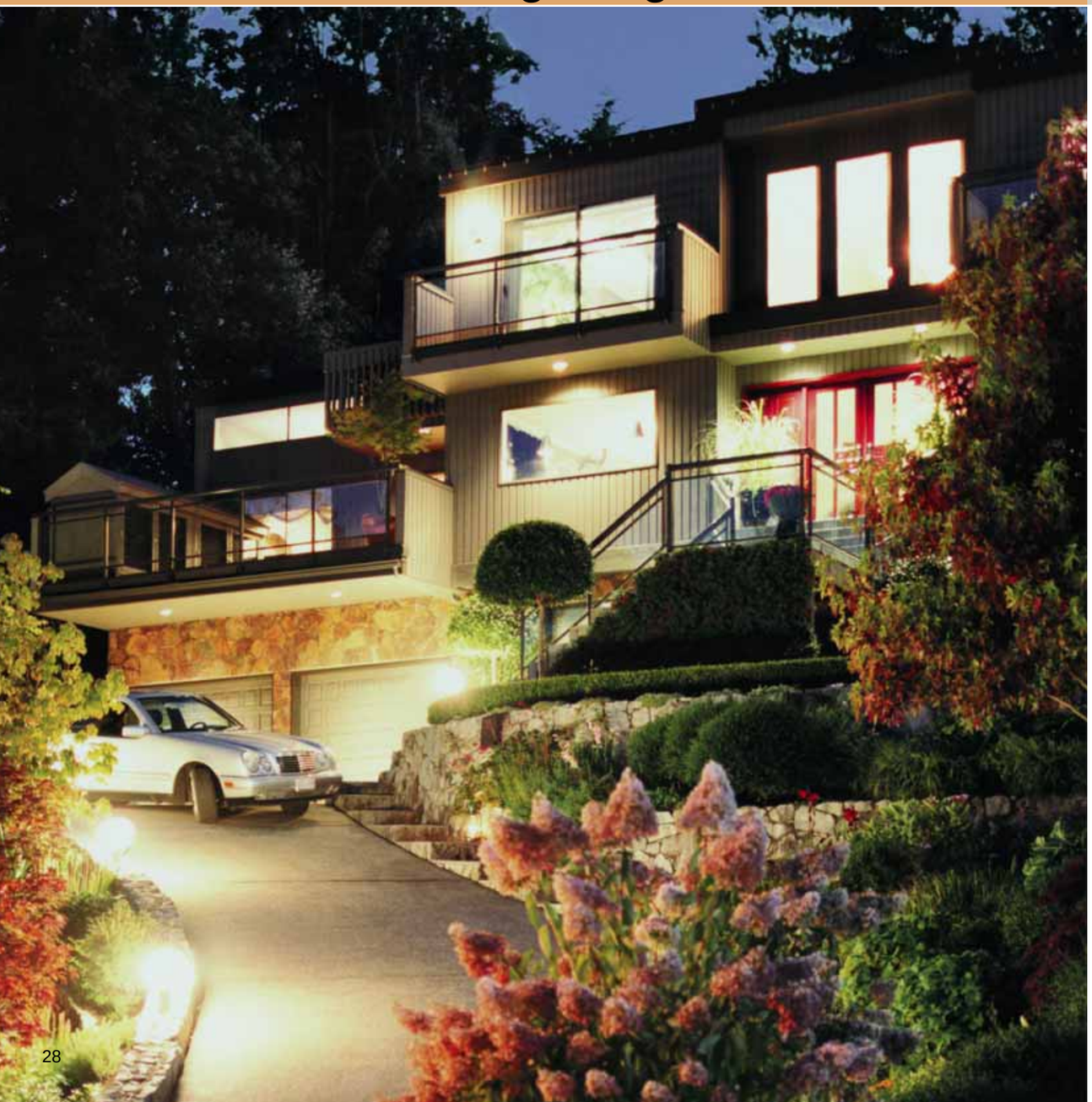
- Comes complete with self-adhesive numbers for use as a house number light.





Photoelectric Lighting Controllers





Switched-on lighting technology

Photoelectric lighting controllers switch 'ON' light in relation to ambient brightness. An integrated light sensor automatically switches the connected light 'ON' at dusk and 'OFF' again at dawn. This makes them the ideal solution for any lighting system:

- Photosensor switches light 'ON' and 'OFF' in relation to ambient brightness.
- Lights of any type are switched 'ON' and 'OFF' automatically.
- Can also be used for controlling commercial lighting systems or shop window illuminations.
- Also available as low-energy lamp with integrated photoelectric lighting controller.
- Ideal for permanently illuminated house numbers.





Day = 'OFF'



Night = 'ON'



chosen night-time setting = 'OFF' (Vario night economy mode)

36 month FUNCTIONAL WARRANTY

STEINEL German Quality

CE

VDE GS

STEINEL® HOME German Quality

NightMatic

Ideal for controlling lighting systems used for illuminating building fronts, premises, shop windows or other areas.

This is how they work

- The NightMatic 2000 registers ambient brightness, automatically switching 'ON' connected lights when the twilight threshold is reached at dusk and 'OFF' again at daybreak.
- The microprocessor controlled NightMatic 3000 Vario even goes a step further. With its Vario night economy mode, it also helps to save electricity. If you wish, it will automatically switch a light 'OFF' during the night after a programmable period of time and then back 'ON' again in the morning at about 5 a.m. – if it's still dark.

NightMatic 3000 Vario

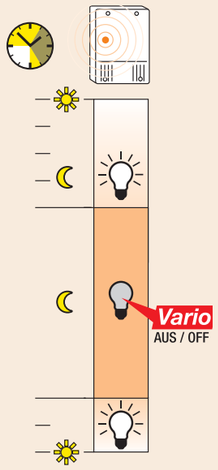


- Twilight setting approx. 0.5 – 10 lux.
- Variable night 'OFF' time (night economy mode) approx. 10 p.m. – 5 a.m.
- Compensates for its own light, i. e. operation is not impaired by another light in the vicinity.

NightMatic 2000



- Twilight setting approx. 2 – 10 lux.





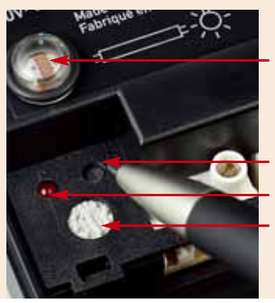
NightMatic 3000 Vario		
	black	**white**
EAN 4007841...	**550516**	**550615**
Dimensions (HxWxD)	99 x 74 x 37 mm	
Output	1000 W max. (resistive load, e.g. filament bulb) 500 W max. (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	
Voltage	230 – 240 V/50 Hz	
Twilight setting	approx. 0.5 – 10 lux / at press of button	
Night economy mode	variable night 'OFF' time	
Power consumption	< 0.8 W	
IP rating	IP 54	
Safety class	II	



NightMatic 2000		
	black	**white**
	550318	**550417**
	99 x 74 x 37 mm	
	1000 W max. (resistive load, e.g. filament bulb) 500 W max. (uncorrected, inductive, cos φ = 0.5, e.g. fluorescent lamps)	
	230 – 240 V/50 Hz	
	approx. 2 - 10 lux	
	–	
	< 0.8 W	
	IP 54	
	II	

Setting options
NightMatic 3000 Vario

- Chosen response threshold easily selected at the press of a button (2).
- A control dial (4) permits infinitely variable adjustment of how long you want connected loads to switch 'OFF' automatically during the night (night economy mode).



(1) Light sensor

(2) Button for setting chosen twilight threshold

(3) LED

(4) Setting length of night economy mode

LN 1



- Twilight setting 5 – 200 lux

The LN 1 combines exceptional design with a high level of functionality. An extremely slim-line profile makes it a real looker wherever it's installed. Needless to say, the 11 W low-energy lamp is included and provides perfect illumination in the evening when light levels fall to the twilight setting selected. The light then switches 'OFF' again automatically at dawn.

Setting options

- Easy adjustment of twilight threshold by control dial.

Installation advantages

- Clearly designed terminal compartment for fast, easy wiring.
- Includes house numbers and low-energy lamp.
- Can be mounted horizontally or vertically, on wall or ceiling, indoors or outdoors.





LN 1	
	white
EAN 4007841...	**648916**
Dimensions (HxWxD)	300 x 195 x 53 mm
Output	only 11 W max./ 2G7 (bi-tube low-energy lamp),
Voltage	230 – 240 V/50 Hz
Twilight setting	5 – 200 lux
IP rating	IP 54
Safety class	II
Impact-resistance	IK 07
Ambient temperature	-20° C to 40° C
Replacement lamp	11 W/2G7
EAN 4007841...	**000981 warm white**
	001261 cold white

Main uses at a glance



SensorLight plus

The ideal and simple way of bringing sensor-controlled technology to existing lights. Simply screw into the lampholder (E 27) – done.

The successor to the tried and proven SensorLight that has sold in its millions. Similar in shape to an ordinary light bulb, its 3 photometric measurement fields guarantee reliable operation in any screw-in position.Never before has it been easier to upgrade existing outdoor and indoor lights to sensor-monitored lighting technology. Old bulb out, SensorLight plus in. That's all it takes to benefit from a new feeling of security offering state-of-the-art energy-saving potential.



MIT SENSOR-SCHALTAUTOMATIK

LDR

- Twilight setting 2 – 2000 lux
- Either 11, 15 or 18 W



This is how it works

- An integrated photosensor registers ambient brightness and automatically switches the low-energy lamp 'ON' in the evening and 'OFF' again at dawn.
- The automatic sensor switching system saves more energy and provides more convenience than conventional low-energy lamps.
- Warm light, long life (15,000 hrs. on average).
- Suitable for indoor and outside use.

Setting options

- Chosen response threshold is easy to set.
- Easy to replace with E 27 base.











	SensorLight plus		
	11 W white	**15 W white**	**18 W white**
EAN 4007841...	**621711**	**621810**	**621919**
Dimensions (HxWxD)	145 x 58 x 58 mm	145 x 58 x 58 mm	153 x 58 x 58 mm
Voltage	230 – 240 V	230 – 240 V	230 – 240 V
Twilight setting	2 – 2000 lux	2 – 2000 lux	2 – 2000 lux
Lampholder	E 27	E 27	E 27
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Number of photosensors (Light dependent resistor)	1 photos. with 3 photo-metric measurem. fields	1 photos. with 3 photo-metric measurem. fields	1 photos. with 3 photo-metric measurem. fields
Long life	15,000 hrs. on average	15,000 hrs. on average	15,000 hrs. on average
Lumens	600	900	1100
IP rating	IP 30	IP 30	IP 30
Safety class	II	II	II

Energy efficiency A B C D E F G A

60 W = 11 W

75 W = 15 W

100 W = 18 W





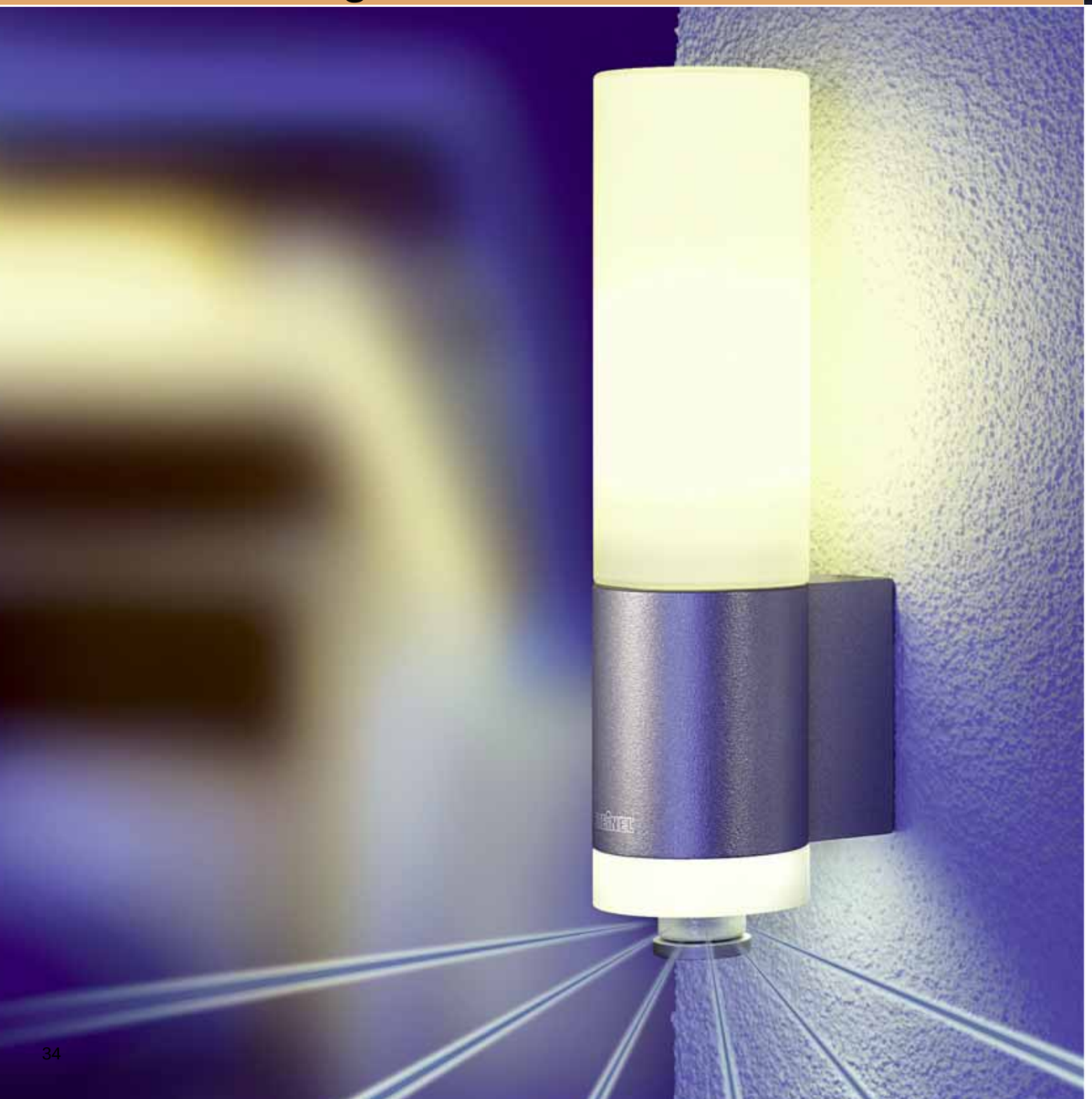






SensorLights for Outdoors





Light comes 'ON' – automatically

STEINEL SensorLights provide the easiest way of bringing contemporary lighting to your home and garden. Cutting-edge sensor technology automatically switches light 'ON' at dusk as soon as a moving heat source is detected. When it stops detecting movement, it switches the light 'OFF' again after a programmed time. And the best part about it: they are as easy to install as a conventional light.

STEINEL SensorLights are available in many different shapes and designs. As wall, ceiling or free-standing lights. From classic to modern, in stainless steel or aluminium or purely as function lights.

- Security, convenience and energy saving because light comes 'ON' automatically.
- 36-month functional guarantee.
- Glass shade availability guaranteed for 5 years.



Aluminium Quality — High-quality aluminium enclosure for long life

NANO Clean — Special dirt-repellent coating for maximum cleaning convenience

LED — Forward-pointing, no-maintenance LED technology for maximum energy efficiency

TIP — All Steinel lights are suitable for use with low-energy lamps.

36 month FUNCTIONAL WARRANTY · STEINEL German Quality · CE · 10 · VDE · GS · GENUINE hand blown CRYSTAL GLASS · STEINEL HOME German Quality

Energy-saving and LED technology in top-quality design

These high-quality lights bring together the very latest technologies in energy-efficient lighting in a highly attractive enclosure.

The STEINEL processor-controlled mini-sensor automatically switches light 'ON' and 'OFF' in relation to whether or not a person is present.
The control system has also been optimised specifically for the use of low-energy lamps.
An LED light corona in the base of the unit adds an attractive lighting feature.
The L 265 S also features a 1-W power LED that shines on the wall below the light when it's dark. This attractive light effect can also illuminate the house number, family name or other information displayed there.
These designer-style lights come with a high-quality die-cast aluminium enclosure finished in a dirt-repellent NANO Clean coating.

L 265-5



NANO Clean

Aluminium Quality

LED

L 265 S



NANO Clean

Aluminium Quality

LED

Setting options

- Detection zone 360° over a reach of up to 8 m.
- Light threshold and 'ON' time adjustable to suit needs.
- 4 programmes geared to practical needs can be selected on the removable sensor module.









	L 265-5	L 265 S
	aluminium-silver	**aluminium-silver**
EAN 4007841...	**658311**	**654313**
Dimensions (HxWxD)	320 x 223 x 260 mm	295 x 72 x 105 mm
	L 265-5 / L 265 S	
Output	Low-energy lamp with a max. dia. of 48 mm / E 27	
LED output	approx. 1 W	
Voltage	230 – 240 V/50 Hz	
Detection angle	360° with sneak-by guard, adjustable	
Reach	8 m all-round	
Twilight setting	2 – 2000 lux	
Time setting	5 sec. – 15 min.	
Manual override	selectable 4 h	
IP rating	IP 44	
Safety class	II	
Optional accessories EAN 4007841...	Adapter for surface wiring **000448**	



Angle of coverage: 360°



Perfect coverage with sneak-by guard



Coverage angle reduction



Setting functions



Manual override 2 x OFF/ON

Bulb Tip!

Low-energy lamp specifically for STEINEL SensorLights

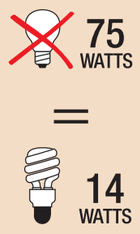


ESL 14 W

	cool-white 6000K	warm-white 2700K
EAN 4007841...	**622022**	**622015**
Dimensions	48 mm dia. x 125 mm	
Voltage	230 – 240 V	
Lampholder	E27	
Long life/ large number of switching cycles	ON/OFF up to 50,000 times	



860 Lumen
14 Watt
12.000 h



SensorLights, DesignSelection

SensorLight with LED back-lit glass panel.

Featuring a high-quality aluminium body and cutting-edge STEINEL mini-sensor technology, you can't help but be impressed by the perfect marriage of design and function of the 270-Series.

The attractive highlight of the L 270 S is the flat glass panel illuminated by LED's.

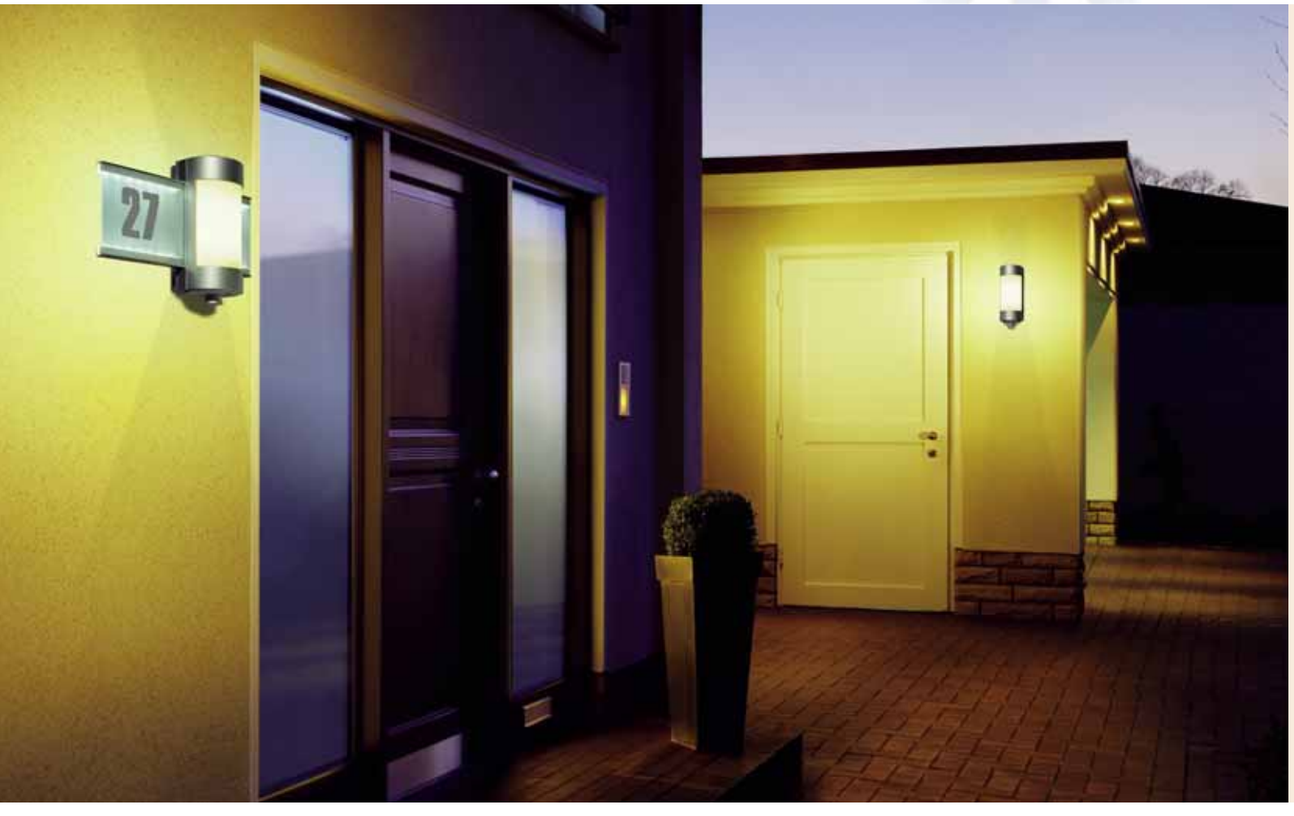
Matching the L 270 S house number light, wall light L 271 S gives a matching look to entrances and the front of buildings.

L 270 S



L 271 S





	L 270 S	L 271 S
	aluminium	aluminium
EAN 4007841...	647810	647919
Dimensions (HxWxD)	270 x 328 x 141 mm	270 x 100 x 141 mm
	Serie 270	
Output / light bulb	2 x 40 W max. / G9 LED, back-lit glass panel, approx. 1 W	
Voltage	230 – 240 V/50 Hz	
Detection angle	360° with sneak-by guard	
Reach	8 m all-round	
Twilight setting	2 – 2000 lux	
Time setting	5 sec. – 15 min.	
Brightness control	0 % or 25 % (Watt-o-matic)	
Manual override	selectable 4 h	
IP rating	IP 44	
Safety class	I	

This is how they work

- LED back-lit house number at dusk, night and dawn (L 270 S).
- Extremely long LED life
- Low energy consumption by LED's
- These SensorLights are provided with two G9 halogen bulbs for even glass shade illumination.
- Four function programmes geared to practical needs with soft light start as well as 25% basic brightness (Watt-o-matic) leave you wanting for nothing.
- Manual override (4h) at power switch.

Setting options

- Detection zone can be limited by fitting the shrouds supplied
- Easy, convenient selection of light 'ON' time, twilight threshold and programme on removable sensor module.

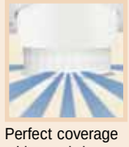
Installation advantages

- Illuminated panel can be fitted on the left or right depending on whether the light is installed to the left or to the right of the front door (L 270 S).
- Complete with self-adhesive numbers (L 270 S).

Main features at a glance



Angle of coverage: 360°


Perfect coverage with sneak-by guard


Coverage angle reduction


Setting functions


Soft light start


Manual override 2 x OFF/ON



Well-rounded solution for modern buildings

Timelessly elegant, intelligent and interconnectable. Also the perfect choice for energy-efficient multiple-light applications

Our L 330 S and L 331 S lights are classic beauties presented in a new design. What's more, we have given these lights our mini-sensor, the most modern control system there is. If you wish, you can also create synchronised groups of lights by using the sensor in one light to control the others. This is done simply by replacing the sensors with the cover cap provided.

A version is available with glass-shade grills for applications demanding a higher degree of protection.

This is how they work

- Three programmes geared to practical needs
  1. Light permanently 'ON' all night (automatic night mode)
  2. Light permanently 'ON' until the middle of the night, then sensor mode
  3. Sensor mode

Setting options

- Detection zone can be limited as required using shrouds provided.
- Easy, convenient adjustment of light 'ON' time, twilight threshold and programme selection on removable sensor module.



L 330 S



L 331 S











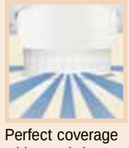
	L 330 S		L 331 S	
	white	silver	white	silver
EAN 4007841...	670115	670214	670313	670412
Dimensions (HxWxD)	275 x 255 x 110 mm		275 x 255 x 125 mm	

	L 330 / L 331
Output	60 W max. / E 27 additional switching capacity at L': 300 W max. (resistive load, e.g. filament bulbs), as many as 5 lights operating in parallel
Voltage	230 – 240 V/50 Hz
Detection angle	360° with sneak-by guard
Reach	8 m all-round
Twilight setting	2 – 2000 lux
Time setting	5 sec. – 15 min.
Manual override	selectable: all of half the night
IP rating	IP 44
Safety class	II

Main features at a glance



Angle of coverage: 360°



Perfect coverage with sneak-by guard



Coverage angle reduction



Setting functions

Removable sensors for controlling up to 5 lights



Timeless perfection

Modern design and trendsetting functionality for the front of your home.

Modern materials and timeless elegance on the outside, uncompromising sensor technology of the finest on the inside. These microprocessor-controlled lights come with an adjustable basic-brightness function that can be set to provide constant dimmed lighting when it's dark. When approached, the sensor electronics then automatically turn the light up to full output.

The L 309 S makes the perfect house number light. Supplied complete with a sheet of self-adhesive numbers, you can use it to stick the number of your house on. The basic-brightness function quickly helps visitors, couriers and taxi drivers to find the right address. The stylish overall impression of these lights is complemented by the aluminium base and hand-blown matt-finish opal glass shade.

L 306 S



L 309 S





This is how they work

- Four function programmes geared to practical needs with soft light start as well as 25% basic brightness (Watt-o-matic) leave you wanting for nothing.
- Manual override (4h) at power switch.

Setting options

- Detection zone can be limited as required using shrouds provided.
- Easy, convenient adjustment of light 'ON' time, twilight threshold and programme selection on removable sensor module.







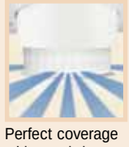
	L 306 S	L 309 S
	aluminium effect	**aluminium effect**
EAN 4007841...	**655112**	**658410**
Dimensions (HxWxD)	326 x 230 x 104 mm	326 x 218 x 104 mm

	L 306 S / L 309 S
Output / lamp	100 W max. / E 27 (with programme for standard low-energy lamps)
Voltage	230 – 240 V/50 Hz
Detection angle	360° with sneak-by guard
Reach	8 m all-round
Twilight setting	2 – 2000 lux
Time setting	5 sec. – 15 min.
Brightness control	0 % or 25 % (Watt-o-matic)
Manual override	selectable 4 h
IP rating	IP 44
Safety class	I

Main features at a glance



Angle of coverage: 360°



Perfect coverage with sneak-by guard



Coverage angle reduction



Setting functions



Soft light start



Manual override 2 x OFF/ON





L 262 S



Aluminium Quality

NANO Clean

Modern; yet timeless. In superb quality.

The accomplished composition of hand-blown opal glass shade and aluminium light arm cuts an impressive figure with a surface finish that leaves no margin of doubt. But that's not all: powder-coated aluminium with dirt-repelling nano-surface forms an envelope around the high-quality material. Added to this is STEINEL's perfected sensor technology to guarantee years of reliable operation.

Setting options

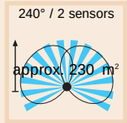
- Detection zone can be limited by fitting the shrouds supplied.
- Light 'ON' time and twilight threshold are easy to set by dial under removable decorative ring.





	L 262 S	
	alum.-silver	**alum.-anthracite**
EAN 4007841...	**646417**	**646516**
Dimensions (HxWxD)	300 x 200 x 200 mm	
Output / lamp	100 W max. / E 27	
Voltage	230 – 240 V/50 Hz	
Detection angle	240°, 180° aperture angle	
Reach	12 m max. (temperature-stabilised)	
Twilight setting	2 – 2000 lux	
Time setting	15 sec. – 15 min.	
Brightness control	0 – 50 % (Watt-o-matic)	
Manual override	selectable 4 h	
IP rating	IP 44	
Safety class	II	

Main features of the L 262 S:



Detection zone


Setting functions


Reach reduction


Coverage angle reduction


Soft light start


Manual override 2 x OFF/ON



Basic brightness can be infinitely varied from 0 to 50 % (Watt-o-matic)

Compact, modern wall lights

Convenience, safety, peace of mind and energy efficiency in German quality needn't be expensive: Sensationally priced, these SensorLights feature high-quality aluminium fascias, modern design and sensor technology that's been tried and tested in millions of applications.

They come with a detection angle of 180° and max. reach of 10 m. The sensor's generous tilting range (90°) and the ability to close off individual segments permit optimum adjustment of the detection range to the given situation. The tough polycarbonate diffuser evenly disperses the light.

L 11



Aluminium Quality

L 12



Aluminium Quality

Setting options

- The tilting sensor lens permits exact adjustment of the detection zone to suit individual requirements.
- Simple adjustment of light 'ON' time and twilight threshold by control dial.

Installation advantages

- Clearly designed terminal compartment for fast, easy wiring.





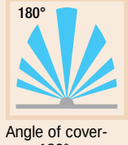


	L 11	L 12
	aluminium	**aluminium**
EAN 4007841...	**657710**	**657918**
Dimensions (HxWxD)	280 x 214 x 114 mm	279 x 155 x 120 mm

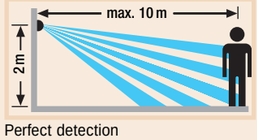
	L 11 / L 12
Output	60 W max./ E 27
Voltage	230 – 240 V/50 Hz
Detection angle	180°
Reach	10 m max.
Twilight setting	2 – 2000 lux
Time setting	8 sec. – 35 min.
IP rating	IP 44
Safety class	II



Main features at a glance



Angle of coverage: 180°



Perfect detection



Setting functions



90° vertically



Reducing the angle of coverage

Stainless steel edition

The sensor wall lights from the stainless steel edition combine modern, sleek design with cutting-edge sensor technology for maximum convenience, security and economy. Ideal for home and garden.

Featuring trim panels in high-quality stainless steel and hand-blown opal glass shades for soft light distribution, they are sure to provide effective lighting outside your home. Select one of the attractive design options to suit your particular style of living. There are three hand-blown glass shades and five differently designed stainless steel trim panels to choose from.

The innovative microprocessor control system provides superb operating convenience and functions that leave you wanting for nothing.

Setting options

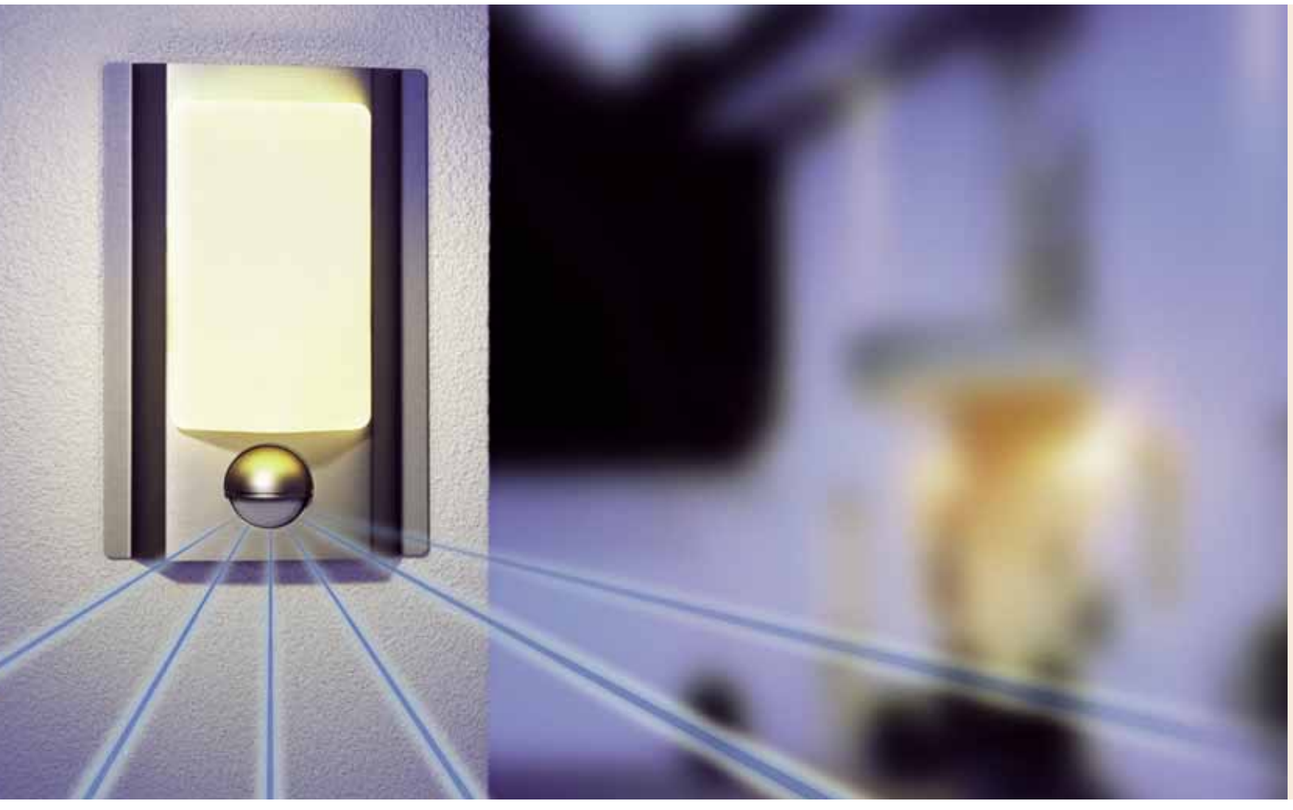
- Reach can be set to a maximum of 12 m or 5 m by turning the multi-lens.
- Detection zone can be limited by fitting the shrouds supplied.
- Comfort function buttons for accurately setting light 'ON' duration and twilight threshold as well as for controlling brightness.

Installation advantages

- Screwless shade attachment by means of eccentric fitting.
- No tools required for changing bulb.
- Easy to install.
- Electronic overload protection.



STAINL. STEEL



L 860 S



- With stainless-steel trim panel
- Hand-blown Triopal glass shade

L 867 S



- With stainless-steel trim panel
- Hand-blown Triopal glass shade

L 876 S



- With stainless-steel trim panel
- Hand-blown, matt opal glass shade







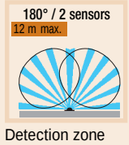
	L 860 S	L 867 S	L 876 S
	stainless steel trim panel	**stainless steel trim panel**	**stainless steel trim panel**
EAN 4007841...	**642112**	**642518**	**647513**
Dimensions (HxWxD)	330 x 222 x 105 mm	330 x 208 x 107 mm	330 x 141 x 161 mm

	Serie 860
Output	100 W max./ E 27
Voltage	230 – 240 V/50 Hz
Detection angle	180° with 90° angle of aperture
Reach	2 basic settings: 12 m max. or 5 m (temperature-stabilised)
Twilight setting	2 – 2000 lux
Time setting	5 sec. – 15 min.
Brightness control	0 – 50 % (Watt-o-matic)
Manual override	selectable 4 h
IP rating	IP 44
Safety class	II

Main features of the 860-Series at a glance



2 basic reach settings possible



Detection zone



Turning multi-lens


Coverage angle reduction


Reach reduction


Comfort function buttons


Soft light start


Manual override 2 x OFF/ON

Classic SensorLights

Exclusive SensorLights in classic lantern design for prestigious exteriors.

High-quality stainless steel (L 170 S) or long-life, intricately ornamented die-cast aluminium (L 190 S-series) combined with uncompromising STEINEL multi-sensor technology.

This is how they work

- Integrated soft light start.
- Basic brightness can be adjusted from 0 – 50 % (Watt-o-matic). When movement is detected, the light switches to full power for the time selected.
- Manual override (4h) at power switch.

Setting options

- Reach can be set to a maximum of 12 m or 5 m by turning the multi-lens.
- Detection zone can be limited by fitting the shrouds supplied.
- Comfort function buttons for accurately setting light 'ON' duration, twilight threshold as well as for controlling brightness.

L 170 S



STAINL. STEEL

- High-quality stainless steel





	L 170 S
	stainless steel
EAN 4007841...	**645311**
Dimensions (HxWxD)	340 x 220 x 150 mm
IP rating	IP 43

	L 170 S / L 190 S
Output	100 W max. / E 27
Voltage	230 – 240 V/50 Hz
Detection angle	180° with 90° angle of aperture
Reach	12 m max. or 5 m (temperature-stabilised)
Twilight setting	2 – 2000 lux
Time setting	5 sec. – 15 min.
Brightness control	0 – 50 % (Watt-o-matic)
Manual override	selectable 4 h
Safety class	II

L 190 S



Aluminium Quality

- Long-life, intricately ornamented die-cast aluminium

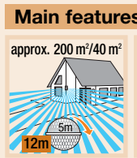




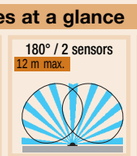


	L 190 S	
	black	**white**
EAN 4007841...	**644413**	**644512**
Dimensions (HxWxD)	335 x 217 x 147 mm	
IP rating	IP 44	

Main features at a glance



2 basic reach settings possible



Detection zone



Turning multi-lens


Coverage angle reduction


Reach reduction


Soft light start


Manual override 2 x OFF/ON


Comfort function buttons

SensorLights in stainless steel

Exquisite lights in a modern, sleek look, made of stainless steel and hand-blown opal glass to give bright, even illumination. Ideal as wall, free-standing or bollard lights for gardens, drives or pathways.

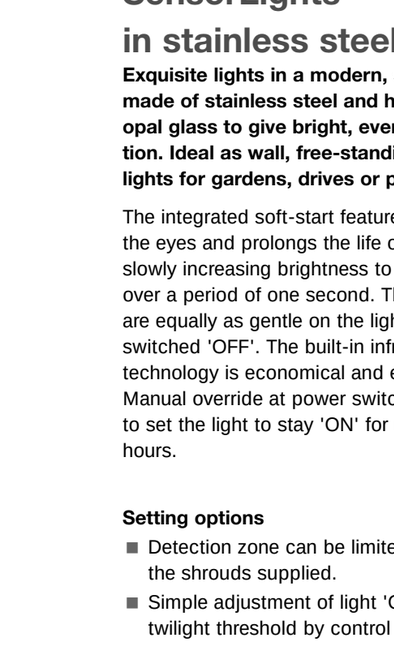
The integrated soft-start feature is kind on the eyes and prolongs the life of the bulbs by slowly increasing brightness to full output over a period of one second. The electronics are equally as gentle on the light when it is switched 'OFF'. The built-in infrared sensor technology is economical and easy to use. Manual override at power switch allows you to set the light to stay 'ON' for up to four hours.

Setting options

- Detection zone can be limited by fitting the shrouds supplied.
- Simple adjustment of light 'ON' time and twilight threshold by control dial.

Watt-o-matic (GL 60 S only)

Capability of setting a basic brightness of 0 – 50%. The light switches to full brightness as soon as someone enters the detection zone.



Installation advantages

- GL 60 S models come with a two-part foot. The lower part is easily removed or shortened for use as a bollard light.

GL 60 S



	GL 60 S
	stainless steel
EAN 4007841...	**647018**
Dimensions (H x Ø):	1038 x 102 dia. (glass shade) 220 mm dia. (foot)
Output	3 x 40 W max. / G9 included or 100 W max. / E 27
Lamp adapter	included for 3 x 40 W / G9 (without lamp)
Voltage	230-240 V/50 Hz
Detection angle	360° with 20° angle of aperture
Reach	12 m max. (temp.-stabilised)
Twilight setting	2 – 2000 lux
Time setting	5 sec. – 15 min.
Manual override	selectable 4 h
Brightness control	0 – 50 % (Watt-o-matic)
IP rating	IP 44
Safety class	II

Main features of the GL 60 S:



Detection zone | Setting functions | Reach reduction | Coverage angle reduction | Soft light start | Manual override 2 x OFF/ON

L 260 S



	L 260 S
	stainless steel
EAN 4007841...	**647315**
Dimensions (HxWxD)	426 x dia. 102 x 177 mm
Output	2 x 40 W max./ G9 or 100 W max./ E 27
Lamp adapter	included for 2 x 40 W / G9 (without lamp)
Voltage	230 – 240 V/50 Hz
Detection angle	240° with 180° angle of aperture
Reach	12 m max. (temperature-stabilised)
Twilight setting	2 – 2000 lux
Time setting	5 sec. – 15 min.
Manual override	selectable 4 h
IP rating	IP 44
Safety class	I

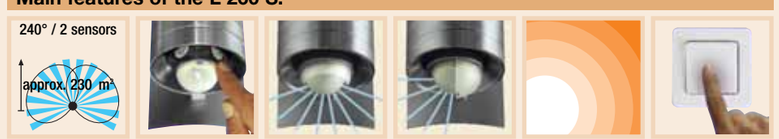


The G9 adapter modules, exclusively from STEINEL!

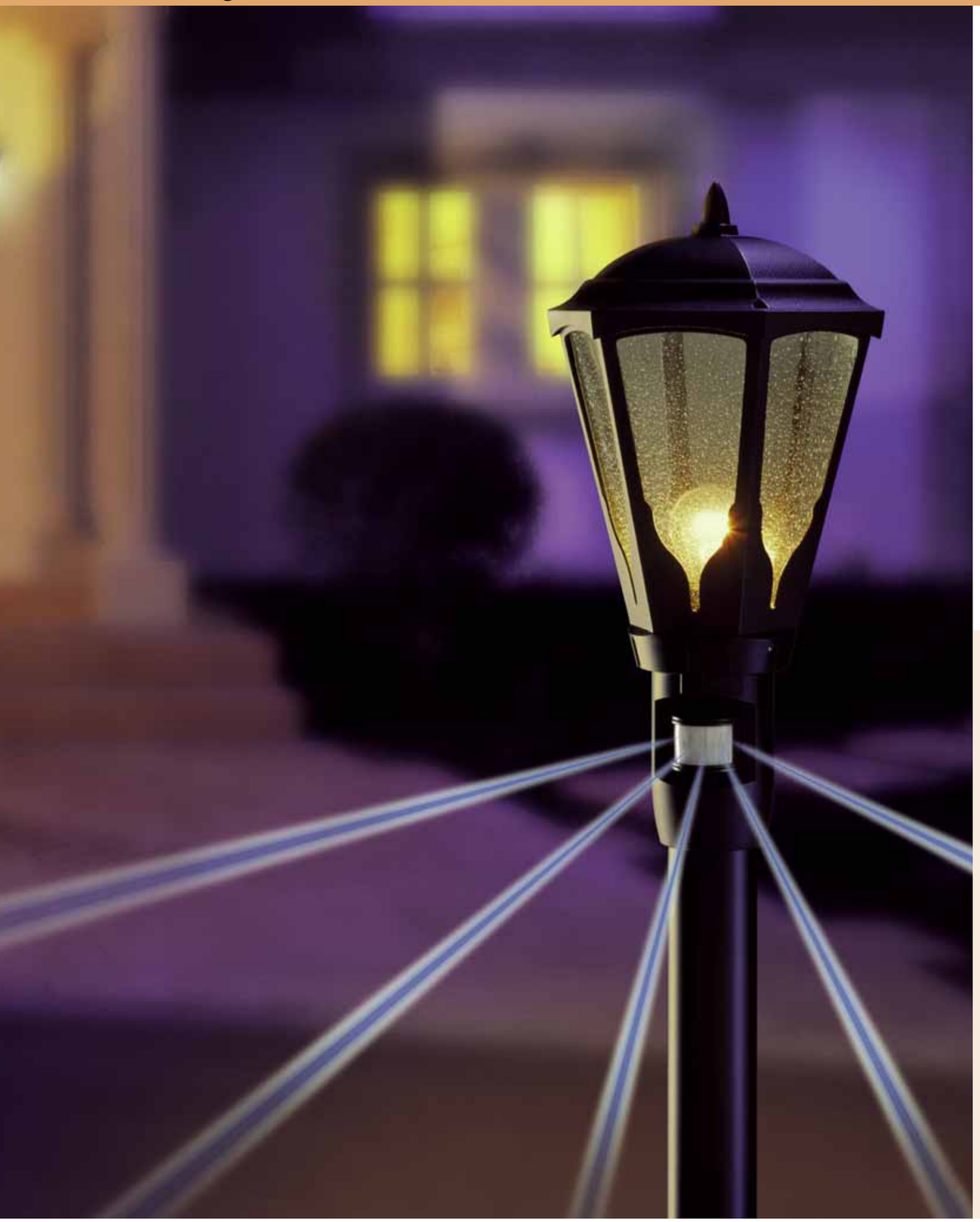
In order to achieve a long, evenly illuminated glass shade, these SensorLights are supplied with the innovative G9 modules.



Main features of the L 260 S:



Detection zone | Setting functions | Reach reduction | Coverage angle reduction | Soft light start | Manual override 2 x OFF/ON



SensorLight in traditional design

GL 16 S

Period-style SensorLights in die-cast aluminium. Ideal as free-standing or bollard lights for gardens, drives or pathways.

Their stylish, elegant design is just as reminiscent of the good old days as the hand-blown crystal shade and use of high-quality material: This light is crafted from highly resistant, coated die-cast aluminium. The electronics are anything but old-fashioned.

Aluminium Quality



Setting options

- The detection zone can be adjusted exactly to protection requirements at the site of installation by means of tilting, turning lenses and can also limited using the shrouds provided.
- Exact time and twilight setting options by means of control dial.
- Three-switch function on the light: Manual override / 'OFF' / sensor mode
- Hand-blown, bubble-effect crystal glass



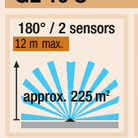
	GL 16 S	
	black	**white**
EAN 4007841...	**617011**	**617110**
Dimensions (HxWxD)	1000 x 260 x 260 mm	
Output	100 W max. / E 27	
Voltage	230 – 240 V/50 Hz	
Detection angle	180° with sneak-by guard	
Adjustment range	35°	
Reach	12 m max.	
Twilight setting	2 – 2000 lux	
Time setting	10 sec. – 15 min.	
Brightness control	–	
IP rating	IP 44	
Safety class	II	



Installation advantages

- The height of the lamp can be reduced by shortening the aluminium tube.
- Can also be used on top of walls with the tube shortened to 10 cm.

GL 16 S



Detection zone


Swivel adjustment


Coverage angle reduction


Setting functions

Diversity in timeless design

The lights from the 706-Series combine attractive, timeless design – from classic to modern – with the latest, groundbreaking sensor technology from STEINEL.

The high-quality, die-cast aluminium light arm conceals STEINEL's new, high-performance mini-sensor! Hardly visible, the sensor is perfectly integrated in the design of the light.

Boasting a 4-segment sensor system and mirror optics for a long focal length, the sensor provides unprecedentedly even, high-resolution 360° all-round coverage in a radius of 8 m.



Aluminium Quality



L 706 S



- Hand-blown, bubble-effect crystal glass shade

L 726 S



- Hand-blown opal glass shade, polished finish

L 746 S



- Hand-blown, bubble-effect crystal glass shade

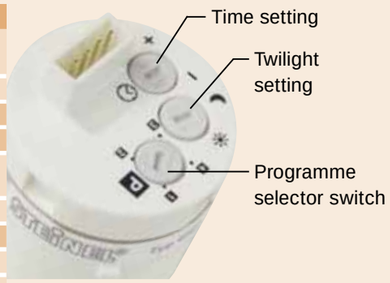






	L 706 S		L 726 S		L 746 S	
	black	**white**	**black**	**white**	**black**	**white**
EAN 4007841...	**653217**	**653316**	**653613**	**653712**	**654214**	**654115**
Dimensions (HxWxD)	285 x 210 x 285 mm		285 x 191 x 276 mm		285 x 182 x 272 mm	

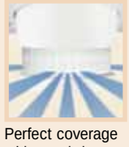
	706-Series
Output / lamp	100 W max. / E 27 (L 726 S 75 W max.) (with programme for standard low-energy lamps)
Voltage	230 – 240 V/50 Hz
Detection angle	360° with sneak-by guard
Reach	8 m all-round
Twilight setting	2 – 2000 lux
Time setting	5 sec. – 15 min.
Brightness control	0 % or 25 % (Watt-o-matic)
Manual override	selectable 4 h
IP rating / Safety class	IP 44 / I
Optional accessories	Corner wall mount 631666 black, 631567 white



Main features at a glance



Angle of coverage: 360°



Perfect coverage with sneak-by guard



Coverage angle reduction



Setting functions



Soft light start



Manual override 2 x OFF/ON

This is how they work

- Four function programmes geared to practical needs with soft light start as well as 25% basic brightness (Watt-o-matic) leave you wanting for nothing.
- Manual override (4h) at power switch.



L 15



Classic in Design and Quality

A spot of old-fashioned elegance at an astounding price. The new L 15 now gives anyone with a preference for a classic look the opportunity to benefit from cutting-edge sensor technology for very little money.

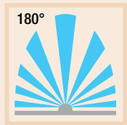
The traditional design and quality of this intelligent light is underscored by the hint of bevelled glass. The light is equipped with the brand leader's sensor technology that's been tried and tested in millions of applications. They come with a detection angle of 180° and max. reach of 10 m. The sensor's generous tilting range (90°) and the ability to close off individual segments permit good adjustability of the detection range to the given situation.



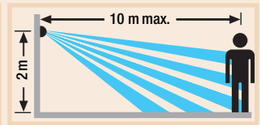
	L 15	
	black	**white**
EAN 4007841...	**617813**	**617912**
Dimensions (HxWxD)	410 x 190 x 240 mm	
Output	60 W max./ E 27	
Voltage	230 – 240 V/50 Hz	
Detection angle	180°	
Reach	10 m max.	
Twilight setting	2 – 2000 lux	
Time setting	8 sec. – 35 min.	
IP rating	IP 44	
Safety class	II	



Main features at a glance



Angle of coverage: 180°



Perfect detection



Setting functions



90° vertically



Reducing the angle of coverage

560-Series

Sensor wall lights of unadorned, classic design with tried and proven technology for home and garden.

Each of these lights is available either in black or white. Hand-blown by craftsmen, the glass shades lend each of these lights their own particular identity. In addition to the globe option, there's also the classic lantern style to choose from.

Setting options

- The detection zone can be adjusted exactly to protection requirements at the site of installation by means of tilting, turning Fresnel lens and can also limited using the shrouds provided.
- Easy adjustment of light 'ON' duration and twilight threshold by control dial.





L 560 S



- Hand-blown, bubble-effect crystal glass

L 562 S

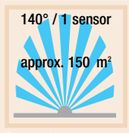


- Hand-blown and hand-painted glass shade





	L 560 S		L 562 S	
	black	white	black	white
EAN 4007841...	634216	634315	634612	634711
Dimensions (HxWxD)	368 x 215 x 243 mm		410 x 200 x 260 mm	
Output	60 W max./ E 27		60 W max./ E 27	
Voltage	230 – 240 V/50 Hz		230 – 240 V/50 Hz	
Angle of coverage	140° horizontally with sneak-by guard		140° horizontally with sneak-by guard	
Adjustment range	130° horizontally, 65° vertically		130° horizontally, 65° vertically	
Reach	12 m max.		12 m max.	
Twilight setting	2 – 2000 lux		2 – 2000 lux	
Time setting	10 sec. – 15 min.		10 sec. – 15 min.	
IP rating	IP 44		IP 44	
Safety class	II		II	



Detection zone


Reducing coverage angle




Setting functions





L 115 S



- Hand-blown crystal glass shade

All-round perfection: Simple elegance with clever, practical functions.

The design element that gives this SensorLight its unique look is the interesting effect of the crystal clear glass shade. The multi lens visible at the base blends harmoniously into the design and is the external mark of a highly sensitive interior.

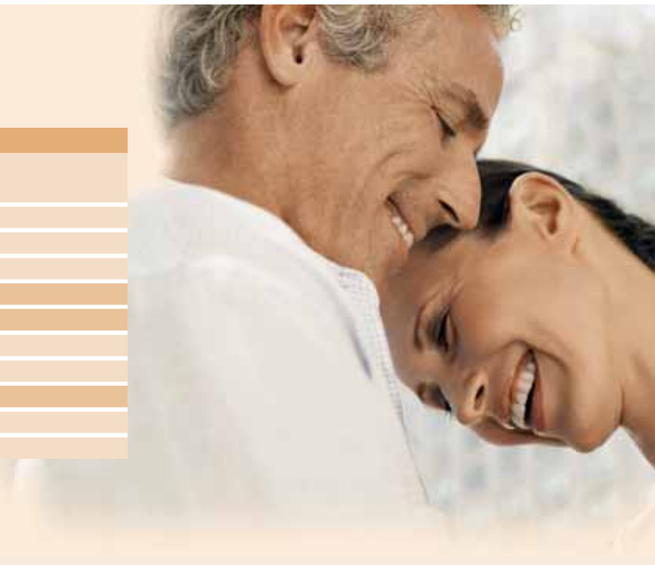
Setting options

- Watt-o-matic allows basic brightness to be adjusted from 0 to 50%. When movement is detected, the light switches from the courtesy mode of basic brightness to full output.
- The use of shrouds permit exact adjustment to the specific situation.
- Simple adjustment of light 'ON' time and twilight threshold by control dial.

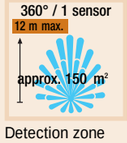




	L 115 S	
	white	**silver**
EAN 4007841...	**657413**	**657512**
Dimensions (HxWxD)	330 x 215 x 257 mm	
Output	60 W max./ E 27	
Voltage	230 – 240 V/50 Hz	
Detection angle	360° with 120° angle of aperture	
Reach	12 m max.	
Twilight setting	2 – 2000 lux	
Time setting	5 sec. – 15 min.	
Brightness control	0 – 50 % (Watt-o-matic)	
IP rating	IP 44	
Safety class	II	



Main features at a glance



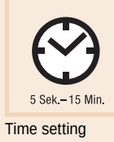
Detection zone


Setting functions


Adjustment using shrouds



Twilight setting



Time setting



Basic brightness can be infinitely varied from 0 to 50 % (Watt-o-matic)

L 535 S **Best Price**



- Attractively priced entry-level model
- Hand-blown, bubble-effect crystal glass shade

Sensor wall light of unadorned, classic design with tried and proven technology for home and garden.

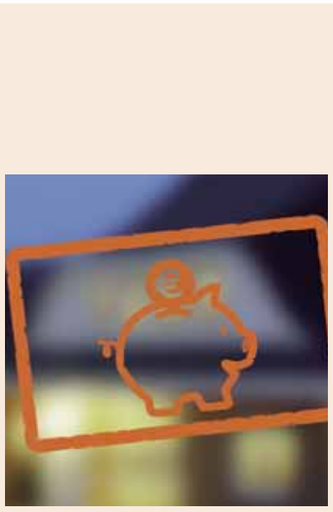
Harmoniously integrated in the design, a lens provides a maximum coverage angle of 180°. Hand-blown by craftsmen, the glass shades lend each of these lights their own particular identity.

Setting options

- The tilting sensor lens permits exact adjustment of the detection zone to suit individual requirements.
- Simple adjustment of light 'ON' time and twilight threshold by control dial.

Installation advantages

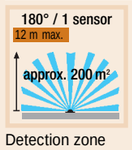
- Clearly designed terminal compartment for fast, easy wiring.



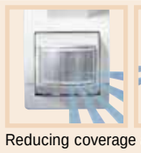


L 535 S	black	white
EAN 4007841...	644017	644116
Dimensions (HxWxD)	307 x 215 x 228 mm	
Output	100 W max. / E 27	
Voltage	230 – 240 V/50 Hz	
Angle of coverage	180° with sneak-by protection	
Adjustment range	70° vertical	
Reach	12 m max.	
Twilight setting	2 – 2000 lux	
Time setting	8 sec. – 35 min.	
IP rating	IP 44	
Safety class	II	

L 535 S



Detection zone


Reducing coverage angle




Setting functions

Simply stylish and practical in many ways.

The quality and experience of the market leader in a simple but stylish SensorLight.
This is the mark of an effective way to watch over areas as large as 105 m². The practical part about it: In its lowermost position, the sensor can be used for detecting movement along the wall of a building.

Setting options

- The tilting sensor lens permits exact adjustment of the detection zone to suit individual requirements.
- Simple adjustment of light 'ON' time and twilight threshold by control dial.

Installation advantages

- Clearly designed terminal compartment for fast, easy wiring.
- Complete with self adhesive numbers for use as illuminated house number.

L 1



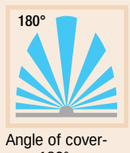
- Attractively priced entry-level model
- Impact-resistant plastic cover



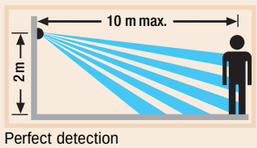


L 1	white	black
EAN 4007841...	650513	650612
Dimensions (HxWxD)	255 x 110 x 120 mm	
Output	60 W max. / E 27	
Voltage	230 – 240 V/50 Hz	
Detection angle	180°	
Reach	10 m max.	
Twilight setting	2 – 2000 lux	
Time setting	8 sec. – 35 min.	
IP rating	IP 44	
Safety class	II	
Impact-resistance	IK 7	
Accessories	Including sheet of self-adhesive house numbers	

Main features at a glance



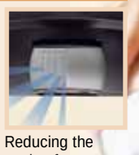
Angle of coverage: 180°



Perfect detection


Setting functions


90° vertically


Reducing the angle of coverage



Light from the top... automatically

High-quality ceiling SensorLight featuring state-of-the-art multi-lens technology from STEINEL for all-round coverage of areas under porches, overhanging roofs, wall projections, garages or carports.

Featuring a housing base in high-quality, long-life die-cast aluminium and hand-blown opal glass shades or impact-resistant acrylic glass shades, the DL 750 S provides soft light distribution and energy-saving illumination.

This is how they work

- Basic brightness can be adjusted from 0 – 50 % (Watt-o-matic). When movement is detected, the light switches to full power for the time selected.
- The integrated soft light start feature creates a pleasant lighting effect and prolongs the life of the bulb by gradually increasing brightness to full output over a period of one second when the light is switched 'ON'. The electronics are equally as gentle on the light when it is switched 'OFF'.

Setting options

- Detection zone can be limited by fitting the shrouds supplied
- Control dials for easy adjustment of light 'ON' time, twilight threshold and brightness.

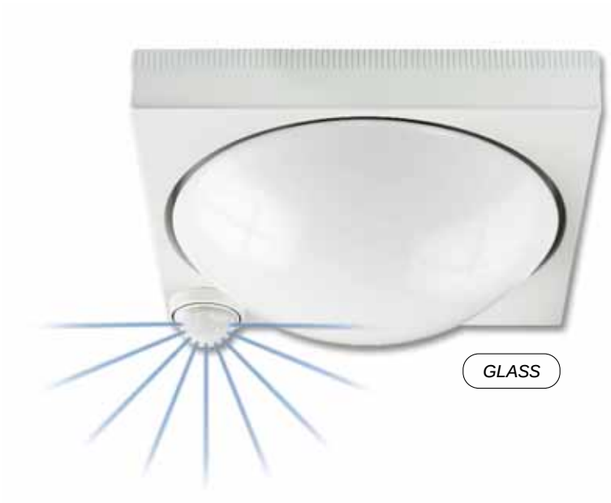
Installation advantages

- Bulb can be changed without tools thanks to glass shade with bayonet fitting.





DL 750 S



- Hand-blown opal glass shade

DL 750 S



- Unbreakable acrylic glass shade



EAN4007841...	DL 750 S white/opal glass shade 650315

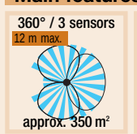


	DL 750 S white/acrylic glass shade 650414

	DL 750 S
Dimensions (HxWxD)	135 x 315 x 315 mm
Output	100 W max. / E 27
Voltage	230 – 240 V/50 Hz
Detection angle	360° with 180° angle of aperture
Reach	12 m max. all round (temperature-stabilised)
Twilight setting	2 – 2000 lux
Time setting	5 sec. – 15 min.
Brightness control	0 – 50 % (Watt-o-matic)
Manual override	selectable 4 h
IP rating	IP 44
Safety class	I



Main features at a glance

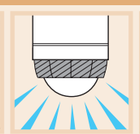


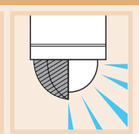
Detection zone


Twilight setting


Time setting


Brightness control (Watt-o-matic)


Shrouds for reducing reach


…as well as the detection zone

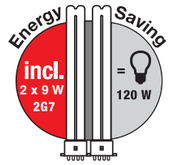

Soft light start


Manual override 2 x OFF/ON



DL 850 S





IMPACT-RESISTANT MATERIAL

Efficiency highlight

Maximum energy efficiency under porches

Light is required on a particularly frequent basis at entrances to apartment buildings. This is where combining sensor technology and low-energy lamps provides particularly high savings.

The DL 850 S makes the perfect choice for buildings where the entrance light is installed under a canopy roof. The attractively styled ceiling SensorLight is equipped with two 9-watt low-energy lamps. The ballast ensures the light comes 'ON' quickly and helps to prolong lamp life.





	DL 850 S	
	white/plastic	**silver/plastic**
EAN 4007841...	**760113**	**760212**
Dimensions (HxWxD)	258 mm dia. x 74 mm	
Output	includes 2 x 9 W / 2G7 (low-energy lamps)	
Voltage	230 – 240 V/50 Hz	
Detection angle	360°, 160° aperture angle	
Reach	7 m max. all around (temperature-stabilised)	
Twilight setting	2 – 2000 lux	
Time setting	1 min. – 15 min.	
IP rating	IP 44	
Safety class	II	
Impact-resistance	IK 07	



Main features at a glance



Detection zone


Straightforward installation


Twilight setting


Time setting

Lighting sensation: The LED powerhouse

STEINEL brings tomorrow's technology to your home today. The XLed Home floodlight with its 170 LEDs ensures perfect illumination with a sensationally low energy requirement.

The new hi-tech floodlight requires less than 15 watts to immerse its surroundings in dazzling light. Its incredibly high level of efficiency is made possible by using 170 LEDs for light and an innovative control system. These modern components come with a further major advantage: compared with halogen or filament bulbs, their life is virtually unlimited. Their life span is enhanced by STEINEL's Active-Thermo-Control technology that protects the LEDs from overheating.

As the floodlight emits only a fraction of the heat conventional floodlight do, it can be installed without a problem under porches. Adjusting in all directions, the light panel can be aimed perfectly at the area you wish to illuminate.

Intelligent lighting control is provided by STEINEL's IR-Sensor technology that has been tried and proven in millions of applications and also featured in the IS 140-2 motion detector. The combination of LED technology and sensor control produces a saving of 90% over conventional halogen floodlights.



XLed Home 1
14,8 W

Halogen
150 W

XLed Home 1



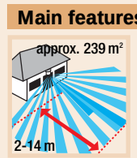
- 14.8 W LED
- 90% energy saving
- Active Thermo-Control



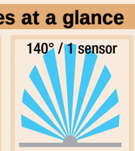
XLed Home 1		
	white	**silver**
EAN 4007841...	**002695**	**002688**
Dimensions (HxWxD)	210 x 175 x 180 mm	
Output	170 LEDs, approx. 14.8 W Lifespan of LEDs: up to 50.000 hrs.	
Light colour	6700 Kelvin	
Voltage	230 – 240 V/50 Hz	
Floodlight posit. range	180° horizontally, 120° vertically	
Detection angle	140° with sneak-by guard	
Sensor positioning range	180° horizontally, 90° vertically	
Detection reach	14 m max. (temperature-stabilised)	
Twilight setting	2 – 2000 lux	
Time setting	8 sec. – 35 min.	
IP rating	IP 44	
Safety class	I	



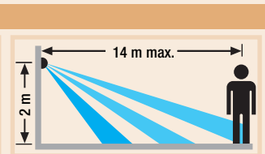
Main features at a glance



Detection zone



Detection angle



Perfect detection with sneak-by guard



90° vertically



180° horizontally



Detecting movement along outside walls



Function setting

Sensor-Switched Halogen Floodlights

STEINEL sensor-switched halogen floodlights are the ideal solution when it comes to illuminating the front of buildings, driveways and vulnerable spots with particularly bright light.

These vigilant floodlights are designed for bulbs with output ratings of 150 to 500 watts. This automatically picks out special features, welcomes guests and frightens off unwanted visitors. Ranging from the low-price Fresnel lens light HS 5140 to the microprocessor controlled hi-tech floodlight HS 500, the STEINEL line-up offers just the right model for any application. Models HS 150 and HS 300 are equipped with a ceramic reflector.

Setting options

- The detection zone can be adjusted exactly to requirements at the site of installation by means of the tilting, swivelling multi-lens (HS 150 DUO, HS 300 DUO, HS 500 DUO) or Fresnel lens (HS 5140) and can be limited using the shrouds provided.
- Easy adjustment of light 'ON' duration and twilight threshold by control dial.











HS 150/300/500

The halogen floodlight housing can be tilted from +110° to -40° and swivelled through ±40°. This permits optimum illumination even in situations where installation is awkward.

HS 150 DUO



CERAMIC REFLECTOR

- Attractive design
- High-quality, powerful ceramic reflector

SENSOR ECO incl. 125 W

HS 300 DUO



CERAMIC REFLECTOR

- High-quality, powerful ceramic reflector

SENSOR ECO incl. 240 W

HS 500 DUO



20m

SENSOR ECO incl. 400 W

- Long light and sensor reach of up to 20 m

HS 5140 Best Price



- Attractively priced starter model

SENSOR ECO incl. 400 W



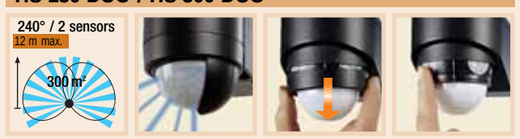
	HS 150 DUO		
	black	white	platin. effect
EAN 4007841...	633011	633110	646318
Dimensions (HxWxD)	215 x 155 x 170 mm		
Output	150 W max./R7s linear halogen lamp and an additional max. switching capacity of 800 W at L' 125 W ECO linear lamp included.		
Voltage	230 – 240 V/50 Hz		
Detection angle	240° with 180° angle of aperture		
Adjustment range	80° horizontally, 150° vertically		
Reach	12 m max. (temperature-stabilised)		
Twilight setting	2 – 2000 lux		
Time setting	10 sec. – 15 min.		
IP rating	IP 44		
Safety class	I		
Optional accessories	Corner wall mount 02 is available for installation on external corners		
EAN 4007841...	630560 black	630669 white	



	HS 300 DUO	
	black	white
EAN 4007841...	633219	633318
Dimensions (HxWxD)	240 x 210 x 180 mm	
Output	300 W max. / R7s linear halogen lamp 240 W ECO linear lamp included	
Voltage	230 – 240 V/50 Hz	
Detection angle	240° with 180° angle of aperture	
Adjustment range	80° horizontally, 150° vertically	
Reach	12 m max. (temperature-stabilised)	
Twilight setting	2 – 2000 lux	
Time setting	10 sec. – 15 min.	
IP rating	IP 44	
Safety class	I	
Optional accessories	–	

2 Sensor System

HS 150 DUO / HS 300 DUO



Detection zone | Reducing coverage angle | Detach decorative ring | Twilight, time setting



	HS 500 DUO	
	black	white
EAN 4007841...	633417	633516
Dimensions (HxWxD)	265 x 210 x 210 mm	
Output	500 W max. / R7s linear halogen lamp 400 W ECO linear lamp included	
Voltage	230 – 240 V/50 Hz	
Detection angle	240° with 180° angle of aperture	
Adjustment range	80° horizontally, 150° vertically	
Reach	20 m max. (temperature-stabilised)	
Twilight setting	2 – 2000 lux	
Time setting	10 sec. – 15 min.	
IP rating	IP 44	
Safety class	I	
Optional accessories	–	



	HS 5140	
	black	white
EAN 4007841...	575212	577919
Dimensions (HxWxD)	185 x 170 x 160 mm	
Output	500 W max. / R7s linear halogen lamp 400 W ECO linear lamp included	
Voltage	230 – 240 V/50 Hz	
Detection angle	140° with sneak-by guard	
Adjustment range	180° vertically to front and rear	
Reach	12 m max. (temperature-stabilised)	
Twilight setting	2 – 2000 lux	
Time setting	8 sec. – 35 min.	
IP rating	IP 54	
Safety class	I	
Optional accessories	–	

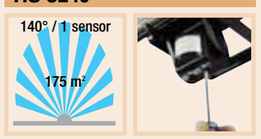
2 Sensor System

HS 500 DUO



Detection zone | Reducing coverage angle | Detach decorative ring | Twilight, time setting

HS 5140

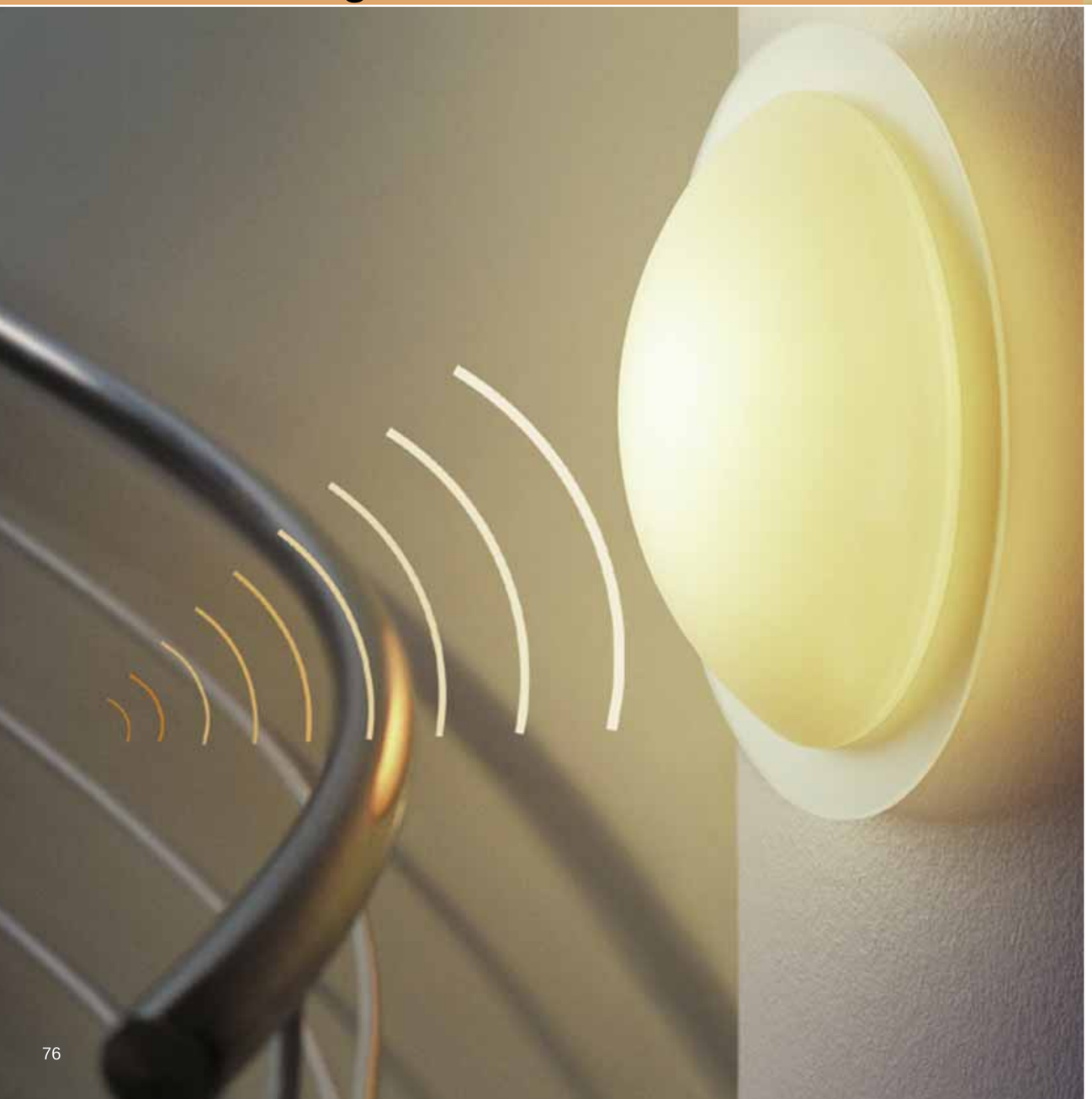


Detection zone | Function settings



SensorLights for Indoors

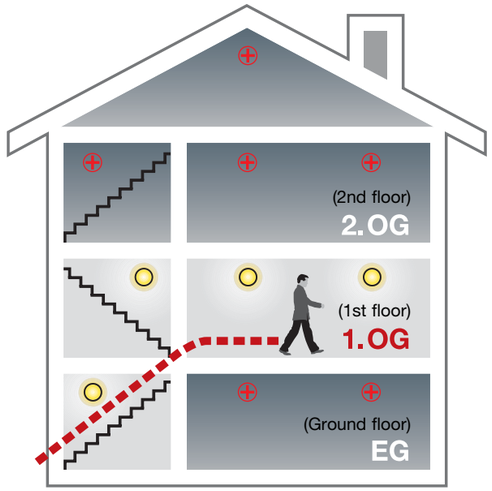




Energie clever nutzen

STEINEL

Intelligent Energy Saving



Welcome home

The future of lighting is automatic. Not only outdoors where STEINEL's invention is part of today's standard equipment for home and garden. Developing state-of-the-art high-frequency sensors, STEINEL has made tomorrow's technology an attractive option for indoors too. As a result, it is now possible to benefit from maximum energy efficiency and optimum convenience within the home as well – all powered by STEINEL.

The innovation is concealed inside the light. A high-frequency motion detector that switches light 'ON' to welcome you and your visitors on entering the room and turns it 'OFF' again when it's no longer needed. Welcome home. Welcome to the future.

- Response light level, light 'ON' time and reach can be adjusted to suit individual requirements.
- Easy to install: Sensor and light = 1 connection
- Available as wall or ceiling lights in a choice of designs.
- 36-month functional guarantee.
- Glass shade availability guaranteed for 5 years



All Steinel lights are suitable for use with low-energy lamps.

Light 'ON' and 'OFF' … automatically

An innovation from STEINEL – the original.

STEINEL high-frequency (HF) sensors instantly identify movements without "sensitivity" being restricted by ambient temperature and the direction in which the object being detected is moving.

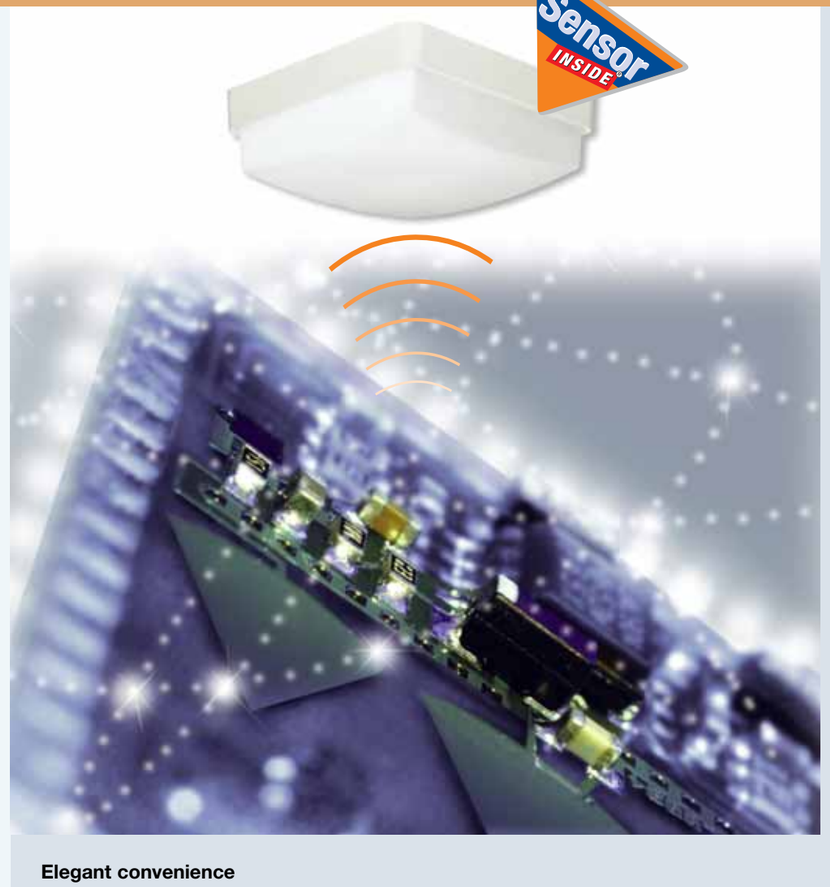
The hi-tech sensors emit signals and receive the echo reflected off walls and surrounding objects a moment later. Responding to the changed echo image, the sensor registers any movement in the detection zone within fractions of a second and immediately switches the light 'ON'! The light switches 'OFF' automatically after a period you wish to select.

STEINEL high-frequency sensors operate at 5.8 GHz. As these signals are not obstructed by glass and thin walls, the sensor can be installed inside the light where they are hidden from view. This means nothing spoils the design of STEINEL SensorLights.

At approx.1 mW, their power output is about 1000 times less than that of a mobile phone.

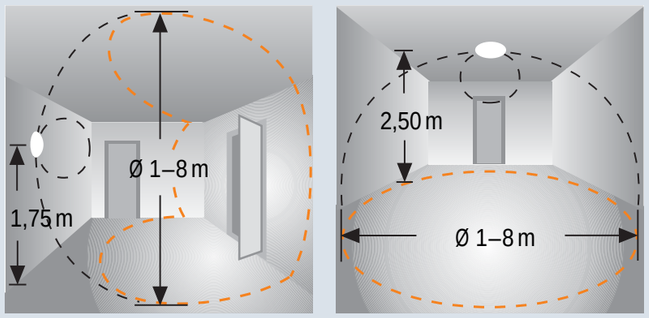
Detection zone

There's no way round HF-SensorLights from STEINEL. They detect even the tiniest movement anywhere within a distance of up to 8 m in a 360° circle. If required, reach can be reduced electronically to any distance as short as 1 m.



Elegant convenience

Intelligence is something you can't see but notice. Hidden out of view on the inside, HF-technology from STEINEL switches the attractive light 'ON' "just in time".



Watchful light

STEINEL's HF-SensorLights have a detection zone that's ideal for applications indoors. Providing all-round, 360° coverage, they can be installed on walls or ceilings.





Reach adjustment

STEINEL HF-SensorLights can detect movements within a radius of 1 to 8 m. Reach is infinitely variable within this range.



Time setting

STEINEL HF-SensorLights are equipped with a timer that makes sure the light stays 'ON' for the selected period of time. The time you want the light to stay 'ON' for can be adjusted to any setting between 5 sec and 15 min.



Twilight setting

Setting the response threshold to between 2 and 2000 lux, you can determine the level of ambient brightness at which you want the SensorLight to come 'ON'. While it's still light, at dusk or when it gets dark.



Straightforward installation

STEINEL HF-SensorLights are installed just as quickly and easily as conventional lights: Fix light to wall or ceiling and connect phase and neutral conductor to the screw terminals – that's all there is to it. With the integrated sensor system, the only difference now is that there's no switching 'ON' and 'OFF' to do by hand any more.

Connecting other loads

The HF-SensorLights are provided with a separate terminal that can be used for connecting other loads. On entering the guest toilet, for example, an additional lamp or extractor fan then switches 'ON' together with the light. Maximum switching capacity is 100 watts.

A matter of choice

STEINEL HF-SensorLights can be set exactly the way you want at three infinitely adjustable control dials.

Modernisation in seconds flat

STEINEL HF-SensorLights are installed in exactly the same way as conventional lights. They require no extra work and there are no additional cables to connect either. On the contrary: There is no necessity for complicated two-way double pole reversing switches and the wiring runs they involve. Investing in the future couldn't be easier or more convenient.

Light comes 'ON' when someone's there. Wherever it's needed.



www.**energieclevernutzen**.de



Light 'ON'. Light 'OFF'. Controlled by sensor.

E.g. garage, boiler room, box-room...



E.g. entrances, stairwells…



E.g. corridors, storerooms…



E. g. laundry rooms…



E.g. guest's bathroom, closet…



E.g. corridors in apartment buildings…



Bright rooms for bright individuals

Steinel has the right solution for advanced lighting to suit any room and any application. Here are a few suggestions of where to use which product.

FRS 30
Page 89



RS 13 L
Page 84



FRS 20
Page 88



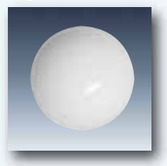
HF 360 AP
Page 95



BRS 61 L
Page 87



RS 10-1 L
Page 82



RS 10-1 L / 100 L / 16 L

Clean-cut design, ideal for corridors, halls or stairwells.

Whether as ceiling or wall light, elegant, hand-blown glass shades create a warm, even light.

This is how they work

- Invisibly concealed inside, cutting-edge high-frequency sensor technology responds to the slightest movement irrespective of temperature, instantly switching the light 'ON' and then 'OFF' again after a selectable time.

Setting options

- Infinitely variable, electronic reach setting from 1 – 8 metres in all directions.
- Easy adjustment of light 'ON' duration and twilight threshold by control dial.

Installation advantages

- Straightforward installation (lamp and sensor = 1 connection)
- Facility for connecting additional loads (e.g. bathroom/WC extractor fan)
- Bulb can be changed without the need for tools as screwless glass shade is held in place by bayonet catch.



RS 10-1 L



RS 16 L

Best Price



RS 16-2 L



RS 16-3 L

RS 16-2 L / RS 16-3 L

Square, hand-blown, matt opal glass shade. Optionally with trims to suit any taste.

Anyone preferring a square shape will find the right high-frequency SensorLight among the models shown here.
In exceptional designs and high-quality finish, they can be used as wall or ceiling lights.

Particularly practical: Spring mechanism for aligning the square glass shade with effortless ease.

Operation,
setting options
and installation advantages
■ see p. 82

- High-quality finish
- White. hand-blown Triopal glass shade
- Base in high-quality die-cast aluminium or high-quality plastic (RS 16/16-2/16-3 L)











Best Price

	RS 10-1 L	RS 100 L	RS 16 L
	white	white	white
EAN 4007841...	731816	730116	738013
Dimensions (HxWxD)	280 mm dia. x 110 mm	310 mm dia. x 125 mm	275 mm dia. x 95 mm
Output	75 W max. / E 27 + 800 W max. / e.g. bathr./WC extr. fan	100 W max. / E 27 + 800 W max. / e.g. bathr./WC extr. fan	60 W max./ E 27
Transmitter power	approx. 1 mW	approx. 1 mW	approx. 1 mW
HF-system	5.8 GHz	5.8 GHz	5.8 GHz
IP rating / Safety class	IP 44 / II	IP 44 / II	IP 44 / II
Base	Aluminium	Aluminium	Plastic

Main features of SensorLights



Easily mounted to walls or ceilings



Twilight setting

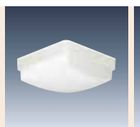


Time setting



Reach setting



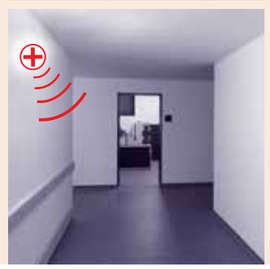




	RS 16-2 L	RS 16-3 L	RS 16-3 L
	white	white	st.-steel effect
EAN 4007841...	738211	738310	738419
Dimensions (HxWxD)	270 x 270 x 110 mm	295 x 295 x 110 mm	
Output	60 W max. / E 27 max. additional switching capacity 100 W / e.g. bathroom/WC extractor fan		
Transmitter power	approx. 1 mW		
HF-system	5.8 GHz		
IP rating / Safety class	IP 44 / II		
Base	Plastic		

RS 10-1 / 100 / 16 / 16-2 / 16-3 L	
Voltage	230-240 V/50 Hz
Angle of coverage	360° with 160° aperture angle also through glass, wood and stud walls
Reach	1 – 8 m dia., infinitely variable 3 – 8 m dia. (RS 16/16-2/16-3 L)
Twilight setting	2 – 2000 lux
Time setting	5 sec. – 15 min.





RS 13 L / RS 10-3 L

Stylish looks in a wide diameter, ideal for corridors, hallways or stairwells.

These lights cut a great figure wherever they are installed – whether on the ceiling or on the wall. The hand-blown opal glass shades are surrounded with trim panels in matt-finished crystal glass or coloured plastic. Maximum bulb output is 75 watts.

Operation,
setting options
and installation advantages
■ see p. 82



RS 10-3 L



RS 13 L













	RS 13 L	RS 10-3 L	
	white	st.-steel effect	white
EAN 4007841...	730819	735715	731410
Dimensions (HxWxD)	340 mm dia. x 110 mm	360 mm dia. x 110 mm	
Output	75 W max. / E 27 + 800 W max. / e.g. bathr./WC extractor fan	75 W max. / E 27 + 800 W max. / e.g. bathroom/WC extractor fan	
Transmitter power	approx. 1 mW	approx. 1 mW	
HF-system	5.8 GHz	5.8 GHz	
IP rating	IP 44	IP 44	
Safety class	II	II	
Base	Aluminium	Aluminium	

- Hand-blown opal glass shade with matt-finished glass ring (RS 13 L)
- White, hand-blown Triopal glass shade with plastic trim panel (RS 10-3 L)
- Base in high-quality die-cast aluminium





RS 21 L

Exquisite design, ideal for rooms in living areas.

Anyone with a preference for exceptional design is sure to find the right hi-tech SensorLight for their home in this series. Three visible clips not only hold the white glass shades securely in place, they also add to the overall design.

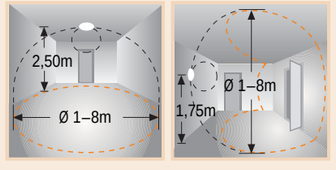
Operation,
setting options
and installation advantages
■ see p. 82



	RS 21 L
	silver, opal matt glass shade
EAN 4007841...	731014
Dimensions (HxWxD)	280 mm dia. x 100 mm
Output	75 W max. / E 27 + 800 W max. / e.g. bathr./WC extractor fan
Transmitter power	approx. 1 mW
HF-system	5.8 GHz
IP rating	IP 20
Safety class	II
Base	Aluminium

- Three retaining clips create a striking look
- Domed, matt opal glass shade
- Base in high-quality, silver-lacquered die-cast aluminium

RS 13 / 10-3 / 21 L	
Voltage	230 – 240 V/50 Hz
Angle of coverage	360° with 160° aperture angle also through glass, wood and stud walls
Reach	1 – 8 m dia., infinitely variable
Twilight setting	2 – 2000 lux
Time setting	5 sec. – 15 min.



Detection zones for wall and ceiling mounting

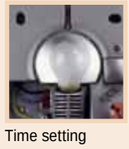
Main features of SensorLights



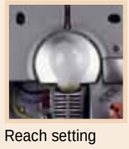
Straightforward installation



Twilight setting



Time setting



Reach setting



BRS 60 L / BRS 61 L
BRS 65 L / BRS 66 L



BRS 60 L opal glass shade / white (plastic) cap



BRS 61 L opal glass shade / chrome cap



BRS 65 L opal glass shade / white (plastic) cap



BRS 66 L opal glass shade / chrome cap

Exquisite wall and mirror lights for bathrooms and hallways.

This range makes a stylish appearance in any bathroom, corridor and hallway. Sleek design, high-quality materials and trendsetting technology. Innovative HF-technology does its job out of sight, almost instantly and always most efficiently.

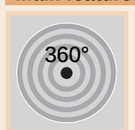
Setting options

- Infinitely variable, electronic reach setting from 1 – 5 metres in all directions.
- Easy adjustment of light 'ON' duration and twilight threshold by control dial.

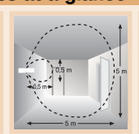


	BRS 60 L	BRS 61 L	BRS 65 L	BRS 66 L
	Opal gl. sh./white cap	Opal gl. shade/chr. cap	Opal gl. sh./white cap	Opal gl. shade/chr. cap
EAN 4007841...	740115	740214	740610	740719
Dimensions (HxWxD)	500 x 90 x 60 mm	500 x 90 x 60 mm	350 x 90 x 60 mm	350 x 90 x 60 mm
Output	3 x 40 W max./ G9	3 x 40 W max./ G9	2 x 40 W max./ G9	2 x 40 W max./ G9
	BRS-Series			
Voltage	230 – 240 V/50 Hz			
Coverage angle	360° with 160° aperture angle also through glass, wood and stud walls			
Transmitter power	approx. 1 mW			
HF-system	5.80 GHz (responds to the smallest of movements regardless of temperature)			
Reach	0.5 – 5 m dia., infinitely variable			
Twilight setting	2 – 2000 lux			
Time setting	5 sec. – 15 min.			
IP rating	IP 44			
Safety class	I			

Main features at a glance



Angle of coverage: 360°



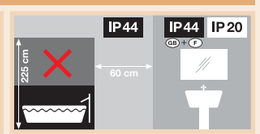
Detection zone when wall-mounted



Twilight setting



Time setting

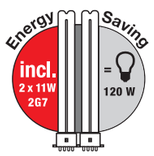


Minimum distances in bathrooms



FRS 20





IMPACT-RESISTANT MATERIAL

Energy-saving marvels for many different places.

The FRS 20 light combines sensor technology, low-energy light source and ultra slimline design. The result: a clever all-round-energy-saving light for a wide range of applications.

Setting options

- Infinitely variable, electronic reach setting from 1 – 5 metres in all directions.
- Easy adjustment of light 'ON' duration and twilight threshold by control dial.

Operational reliability

- Bulbs work independently of each other (so light stays 'ON' even if one of the bulbs is faulty).







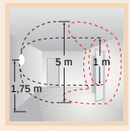


	FRS 20
	white
EAN 4007841...	**743512**
Dimensions (HxWxD)	300 x 195 x 63 mm
Output	only 2 x 11 W / 2G7 (bi-tube low-energy lamp), additional switch. capac. 200 W max. / e.g. bathr. / WC extractor fan
Voltage	230 – 240 V/50 Hz
Angle of coverage	360° with 160° aperture angle also through glass, wood and stud walls
Transmitter power	approx. 1 mW
HF-system	5.8 GHz
Reach	1 – 5 m dia., infinitely variable
Twilight setting	2 – 2000 lux
Time setting	1 min. – 15 min.
IP rating	IP 54
Safety class	II
Impact-resistance	IK 07

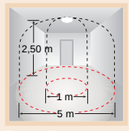
Main features at a glance



Angle of coverage: 360°



Detection zone when wall-mounted



Detection zone when ceiling-mounted



Twilight setting



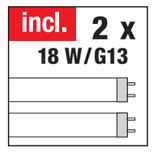
Time setting

FRS 30

Practical ceiling-mounted solution for basements, boiler rooms and garages.



For the first time, the FRS 30 light provides tried and tested sensor technology from STEINEL in a further practical form of light. The electronics instantly turn the light 'ON' without frequency of operation affecting service life.



IMPACT-RESISTANT MATERIAL

Setting options

- Infinitely variable reach setting from 1 – 8 metres in all directions.
- Easy adjustment of light 'ON' duration and twilight threshold by control dial.

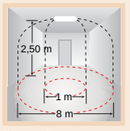


	FRS 30
	white
EAN 4007841...	**743413**
Dimensions (HxWxD)	165 x 658 x 110 mm
Output	only 2 x 18 W / G13, additional switch. capac. 200 W max. / e.g. bathr. / WC extractor fan
Voltage	230 – 240 V/50 Hz
Angle of coverage	360° with 160° aperture angle also through glass, wood and stud walls
Transmitter power	approx. 1 mW
HF-system	5.8 GHz
Reach	1 – 8 m dia., infinitely variable
Twilight setting	2 – 2000 lux
Time setting	1 min. – 15 min.
IP rating	IP 65
Safety class	II
Impact-resistance	IK 07

Main features at a glance



Angle of coverage: 360°



Detection zone when ceiling-mounted



Twilight setting



Time setting


Setting control









Motion Detectors for Indoors



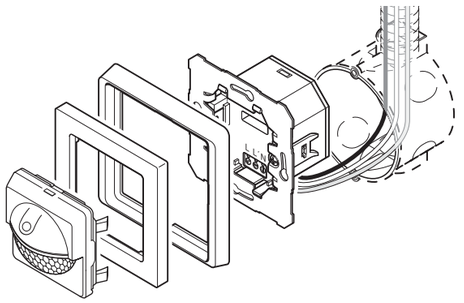


Intelligent Light Switches

Light switches of today work automatically without having to touch them. The intelligent hi-tech switches from STEINEL are the ideal solution for all rooms in which practical lighting is important: corridors, stairwells, bathrooms, WC's, kitchens, basements, laundries as well as any room in which the need for light is only temporary.

- Security, convenience and energy saving because light comes 'ON' automatically.
- Suitable for retrofitting in standard backboxes as well as for installation in new build and contract work.
- Conventional switches easily replaced with SensorSwitches.
- Useful additional functions, such as permanent light 'ON' (4 h.) or permanent light 'OFF'.
- Available either in surface-mounted or concealed version.
- Attractive range of faceplates for combination with other switches and sockets.





36 month FUNCTIONAL WARRANTY

STEINEL German Quality

CE

VDE

STEINEL® HOME German Quality

IR 180 UP/AP



Sturdy, tried and proven, long-reach sensor switch using infrared technology. In the concealed version, ideal for corridors, kitchens and guest WC's, in the surface-mounted version for basements, garages, carports and outside areas.

The SensorSwitch responds to the heat radiated from moving persons. With a reach of 8 meters, they make the ideal choice even for large rooms. The IR 180 AP splashproof surface-mounted version with IP 54 enclosure protection rating is also suitable for installation outdoors or in rooms exposed to moisture.



Setting options

- Control dials for easy adjustment of light 'ON' time and twilight threshold are protected from accidental maladjustment behind the lift-up trim panel.
- Integrated pushbutton for switching to permanent light 'ON' (4 hours max.) or permanent light 'OFF'. A red LED indicates the function selected.

HF 360 UP/AP



Rapid-response, long-reach and versatile sensor switch using high-frequency technology. In the concealed version, ideal for stairwells, hallways and bathrooms, in the surface-mounted version for stairwells, basements and laundries.

High-frequency detectors emit a nonperceivable signal and respond to changes in the echo pattern caused by movement irrespective of temperature. With its generous detection range, virtually instant response behaviour and a reach that can be infinitely varied between 1 m and 8 m, it is suitable even for difficult spaces.



Setting options

- Control dials for easy adjustment of reach, light 'ON' time and twilight threshold are protected from accidental maladjustment behind the screw-down trim panel.
- Integrated pushbutton for switching to permanent light 'ON' (4 hours max.) or permanent light 'OFF'. A red LED indicates the function selected.

NF 50 UP



The NF 50 UP close-range sensor switches light 'ON' or 'OFF' without touching. Ideal for kitchens, bathrooms, workshops, practices and all rooms where the emphasis is on hygiene, cleanliness and electrical safety.

The NF 50 SensorSwitch is equipped with a close-range sensor that responds to hand movements close up to the sensor (within a distance of 5 cm). This makes it possible to operate lights safely and hygienically, even with wet or dirty hands.



This is how it works

- Light is switched 'ON' and 'OFF' without touching switch
- A light-emitting diode allows you to locate the sensor surface even in the dark.



IR 180 UP



- Concealed infrared sensor, ideal for corridors, kitchens and guest toilets

HF 360 UP



- Concealed high-frequency sensor, ideal for stairwells, hallways and bathrooms

NF 50 UP



- Concealed, close-range sensor, ideal for kitchens, bathrooms, workshops and practices

	IR 180 UP	HF 360 UP	NF 50 UP
	pure white	pure white	pure white
EAN 4007841...	750114	751111	752118
Dimensions (HxWxD)	81 x 81 x 58 mm	81 x 81 x 55 mm	81 x 81 x 55 mm
Output	1000 W max. (e.g. filament bulb) electronic ballasts, capacitive, e.g. low-energy lamp, 6 each max., C ≤ 132 µF	1000 W max. (e.g. filament bulb) electronic ballasts, capacitive, e.g. low-energy lamp, 6 each max., C ≤ 132 µF	1000 W max. (e.g. filament bulb) electronic ballasts, capacitive, e.g. low-energy lamp, 6 each max., C ≤ 132 µF
Voltage	230 – 240 V, 50 Hz 3-wire connection (L,L',N) parallel connection possible	230 – 240 V, 50 Hz 3-wire connection (L,L',N) parallel connection possible	230 – 240 V, 50 Hz, 3-wire connection (L,L',N), not suitable for use in 2-way circuits
Detection angle	180° with 90° angle of aperture	360° with 140° angle of aperture	at close range
Reach	8 m max.	1 – 8 m max., infinitely variable	5 cm max.
Twilight setting	2 – 2000 lux	2 – 2000 lux	–
Time setting	10 sec. – 30 min.	10 sec. – 30 min.	–
Manual override	selectable 4 h	selectable 4 h	–
Permanently 'OFF'	selectable	selectable	–
LED	yes, manual override, perm. 'OFF'	yes, manual override, perm. 'OFF'	Orientation light
IP rating	IP 20	IP 20	IP 20
Safety class	II	II	II
Accessories	incl. faceplate	incl. faceplate	incl. faceplate



IR sensor



180° angle of coverage



HF-sensor



Coverage angle



Close-range sensor



Reach

IR 180 UP / HF 360 UP



Light permanently ON/OFF



Lift-up trim panel



IR 180 UP: Twilight and timer setting



HF 360 UP: Reach, twilight and time settings

IR 180 AP



- Splashproof, surface-mounted infrared sensor, ideal for basements, garages, carports and outdoor areas

HF 360 AP



- Splashproof surface-mounting high-frequency sensor, ideal for stairwells, basement stairs and indoor use

	IR 180 AP	HF 360 AP
	grey	grey
EAN 4007841...	750213	751210
Dimensions (HxWxD)	82 x 72 x 66 mm	82 x 72 x 64 mm
Output	1000 W max. (e.g. filament bulbs) electronic ballasts, capacitive, e.g. low-energy lamp, 6 each max., C ≤ 132 µF	1000 W max. (e.g. filament bulbs) electronic ballasts, capacitive, e.g. low-energy lamp, 6 each max., C ≤ 132 µF
Voltage	230 – 240 V, 50 Hz 3-wire connection (L,L',N) parallel connection possible	230 – 240 V, 50 Hz 3-wire connection (L,L',N) parallel connection possible
Detection angle	180° with 90° angle of aperture	360° with 140° angle of aperture
Reach	8 m max.	1 – 8 m max., infinitely variable
Twilight setting	2 – 2000 lux	2 – 2000 lux
Time setting	10 sec. – 30 min.	10 sec. – 30 min.
Manual override	selectable 4 h	selectable 4 h
Permanently 'OFF'	selectable	selectable
LED	yes, manual override, perm. 'OFF'	yes, manual override, perm. 'OFF'
IP rating	IP 54	IP 54
Safety class	II	II

Range of faceplates for SensorSwitches

STEINEL offers an attractive range of faceplates for SensorSwitches to ensure that the switches of tomorrow fit in well with any home today:

A stylish selection of socket outlets and switches gives a matching look to intelligent sensors and conventional mounting components.

The trims are made of plastic and available in pure white.





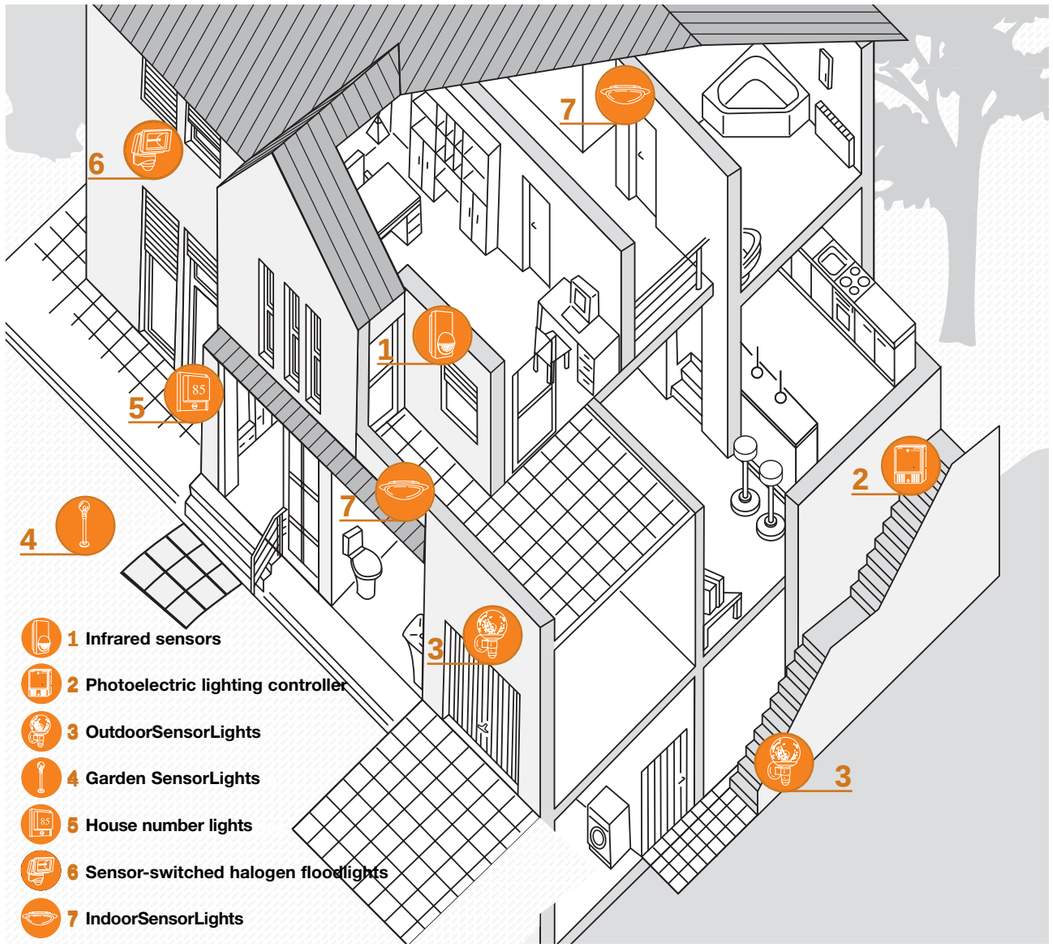






	Earthed socket	Universal switch	Dimmer for filam. bulbs/conv. transf.	Faceplate	Faceplate
	pure white	pure white	pure white	pure white	pure white
Prod. No.	017316	016913	017613	016319	016418
Power	10/16 A, 250 V	10 A, 230 V	60 – 400 W, 230 V		
Model	2-pole, with child guard	OFF/two-way switch	with push-OFF/ two-way switch	1-gang	2-gang

Sensor Technology at a Glance



Tech. specs. / Product	Max. output	Detection zone	Sensor reach	Time setting	Twilight setting	Watt-o-matic	Manual override	Soft light start	Mini-sensor
Motion detectors									
IS 130-2	600 W	130° with sneak-by guard	12 m max.	8 sec. – 35 min.	2 – 2000 lux	–	–	–	–
IS 140-2	1000 W	140° with sneak-by guard	14 m max.	8 sec. – 35 min.	2 – 2000 lux	–	–	–	–
IS 180-2	1000 W	180° with 90° angle of aperture	12 m or 5 m max.	10 sec. – 15 min.	2 – 2000 lux	–	–	–	–
IS 240 DUO	1000 W	240° with 180° angle of aperture	12 m max.	10 sec. – 15 min.	2 – 2000 lux	–	–	–	–
IS 360 D TRIO	1000 W	360° with 180° angle of aperture	12 m max.	10 sec. – 15 min.	2 – 2000 lux	–	–	–	–
IS 1	500 W	120°	10 m max.	8 sec. – 35 min.	2 – 2000 lux	–	–	–	–
Motion detectors with LED light									
IS NM 360	1000 W	360° with sneak-by guard	8 m all-round	5 sec. – 15 min.	2 – 2000 lux	–	4 hrs max.	–	Yes
IS LED 2in1	1000 W	360° with sneak-by guard	8 m all-round	5 sec. – 15 min.	2 – 2000 lux	–	4 hrs max.	–	Yes
Photoelectric lighting controller									
NightMatic 2000 Vario	1000 W	–	–	–	2 – 10 lux	–	–	–	–
NightMatic 3000 Vario	1000 W	–	–	with night-time econ. mode	0.5 – 10 lux	–	–	–	–
LN 1	11 W/2G7 included	–	–	–	5 – 200 lux	–	–	–	–
SensorLight plus	18 W=100 W 15 W= 75 W 11 W= 60 W	–	–	–	2 – 2000 lux 2 – 2000 lux 2 – 2000 lux	–	–	–	–

Tech. specs. / Product	Max. output	Detection zone	Sensor reach	Time setting	Twilight setting	Watt-o-matic	Manual override	Soft light start	Mini-sensor
SensorLights for outdoors									
L 265–5 **L 265 S**	ESL 48 mm dia. / E 27	360° with sneak-by guard	8 m max.	5 sec. – 15 min.	2 – 2000 lux	0 or 25%	4 hours max.	–	Yes
L 270 S/ L 271 S	2x40 W/G9	360° with sneak-by guard	12 m max.	5 sec. – 15 min.	2 – 2000 lux	0 or 25 %	4 hours max.	Yes	Yes
L 330 S **L 331 S**	60 W	360° with sneak-by guard	8 m all–round	5 sec. – 15 min.	2 – 2000 lux	–	4 hours max.	–	Yes
L 306 S/ L 309 S	100 W	360° with sneak-by guard	8 m max.	5 sec. – 15 min.	2 – 2000 lux	0 or 25 %	4 hours max.	Yes	Yes
L 262 S	100 W	240° with 180° angle of aperture	12 m max.	5 sec. – 15 min.	2 – 2000 lux	0 – 50 %	4 hours max.	Yes	–
L 11 / L 12	60 W	180°	10 m max.	8 sec. – 35 min.	2 – 2000 lux	–	–	–	–
860-Series	100 W	180° with 90° angle of aperture	12 m max.	5 sec. – 15 min.	2 – 2000 lux	0 – 50 %	4 hours max.	Yes	–
L 170 S/ L 190 S	100 W	180° with 90° angle of aperture	12 m max.	5 sec. – 15 min.	2 – 2000 lux	0 – 50 %	4 hours max.	Yes	–
GL 60 S	3x40 W/G9	360° with 20° angle of aperture	12 m max.	5 sec. – 15 min.	2 – 2000 lux	0 – 50 %	4 hours max.	Yes	–
L 260 S	2x40 W/G9	240° with 180° angle of aperture	12 m max.	5 sec. – 15 min.	2 – 2000 lux	–	4 hours max.	Yes	–
GL 16 S	100 W	180° with 90° angle of aperture	12 m max.	10 sec. – 15 min.	2 – 2000 lux	–	–	–	–
706–Series	100 W	360° with sneak-by guard	8 m max.	5 sec. – 15 min.	2 – 2000 lux	0 or 25 %	4 hours max.	Yes	Yes
L 15	60 W	180°	10 m max.	8 sec. – 35 min.	2 – 2000 lux	–	–	–	–
L 560 S/ L 562 S	60 W	140° with sneak-by guard	12 m max.	10 sec. – 15 min.	2 – 2000 lux	–	–	–	–
L 115 S	60 W	360° with 120° angle of aperture	12 m max.	10 sec. – 15 min.	2 – 2000 lux	0 – 50 %	–	–	–
L 535 S	100 W	180° with sneak-by guard	10 m max.	8 sec. – 35 min.	2 – 2000 lux	–	–	–	–
L 1	60 W	180°	10 m max.	8 sec. – 35 min.	2 – 2000 lux	–	–	–	–
DL 750 S	100 W	360° with 120° angle of aperture	12 m max.	5 sec. – 15 min.	2 – 2000 lux	0 – 50 %	4 hours max.	Yes	–
DL 850 S	2x9 W/2G7 included	360° with 180° angle of aperture	7 m max.	1 min. – 15 min.	2 – 2000 lux	0 – 50 %	4 hours max.	–	–
XLed Home 1	14,8 W	140° with sneak-by guard	14 m max.	8 sec. – 35 min.	2 – 2000 lux	–	–	–	–
HS 150/ HS 300	150 W 300 W	240° with 180° angle of aperture	12 m max.	10 sec. – 15 min.	2 – 2000 lux	–	–	–	–
HS 500	500 W	240° with 180° angle of aperture	20 max.	10 sec. – 15 min.	2 – 2000 lux	–	–	–	–
HS 5140	500 W	140° with sneak-by guard	12 m max.	8 sec. – 35 min.	2 – 2000 lux	–	–	–	–
SensorLights for indoors									
RS 10-1/10-3 L **RS 13/21 L**	75 W	360° with 160° angle of aperture	1–8 m dia. infinit. var.	5 sec. – 15 min.	2 – 2000 lux	–	–	–	–
RS 16 /16-2/16-3 L **RS 100 L**	60 W 100 W	360° with 160° angle of aperture	1–8 m dia. infinit. var.	5 sec. – 15 min.	2 – 2000 lux	–	–	–	–
FRS 20	2 x 11 W/ 2G7 incl.	360° with 160° angle of aperture	1–5 m dia. infinit. var.	5 sec. – 15 min.	2 – 2000 lux	–	–	–	–
FRS 30	2 x 18 W/ G13 incl.	360° with 160° angle of aperture	1–8 m dia. infinit. var.	5 sec. – 15 min.	2 – 2000 lux	–	–	–	–
BRS 60 L / 61 L **BRS 65 L / 66 L**	3x40 W/G9 2x40 W/G9	360° with 160° angle of aperture	0.5–5 m dia. infinit. var.	5 sec. – 15 min.	2 – 2000 lux	–	–	–	–
SensorSwitches									
IR 180 UP / AP	1000 W	180° with 90° angle of aperture	8 m max.	10 sec. – 30 min.	2 – 2000 lux	–	4 hours max.	–	–
IR 360 UP / AP	1000 W	360° all-round detection	1 – 8 m	10 sec. – 30 min.	2 – 2000 lux	–	4 hours max.	–	–
NF 50 UP	1000 W	–	5 cm max.	–	–	–	–	–	–

* 3 – 8 m dia. (RS 16/16-2/16-3 L)

STEINEL HOME German Quality

Motion detectors and SensorLights for outdoors

STEINEL offers a variety of presentation displays that attractively showcase our products. The cleverly throught-through systems optimise the way products are presented and help to boost sales. STEINEL's brand identity is underscored by numerous sales-promoting details.



Working display samples to feel and touch



Sensor centre – the right sensor for your home



Consumer tips to take home free of charge



Shelf stopper with information on use and technical features



The STEINEL brand communicates: energy savings, convenience, safety and security



Brand presentation with boxed products on the shelf



Brand presentation with overhead sample products

SensorLights for indoors

SensorLights for indoors are quickly gaining popularity. With our presentation displays, you can offer your customers a wide selection of innovative brand products and secure growth in turnover from a product group with a promising future.



Monitor showing film on functions and possible applications



Working display samples to touch



Consumer tips to take home free of charge



Consumer tips to take home free of charge



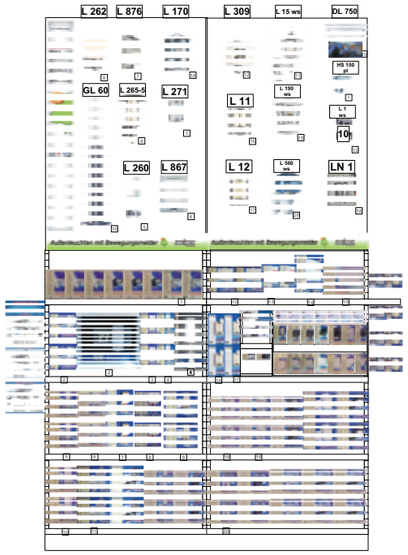
Images showing environments lights can be used in



Brand presentation with monitor and boxed products on shelves



Brand presentation with overhead sample products



Shelves displaying the ideal range of products to boost your turnover and earnings.



We will be pleased to team up with you and create display shelves tailored to your specifications.

Boost your sales –
Take advantage of the many additional displays



1/1 euro-pallet: 118 x 107 cm (w x h)



1/1 euro-pallet: 78 x 107 cm (w x h)



Sensor column: 100 x 14 x 11 cm
(w x h x d)



Countertop display: 62.5 x 51 x 36 cm (w x h x d)



Space-optimising wire grid
display: 15.3 x 100 cm (w x h)



Free-standing display:
166 x 51 x 38 cm (w x h x d)

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. 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.

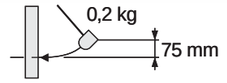
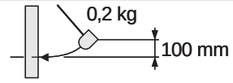
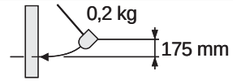
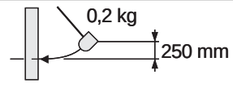
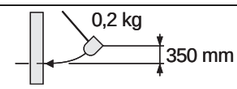
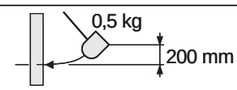
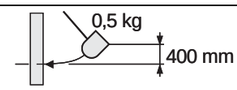
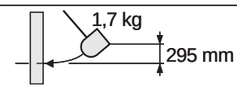
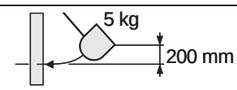
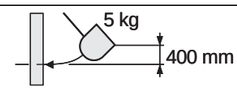
2nd digit	Protection against ingress of water	Application
0	No particular protection.	In dry areas.
1	Protection against vertically falling drops of water (protection against dripping water). Shall have no harmful effect.	In areas exposed to moisture with component in predefined vertical position (e.g.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



Safety 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 .



Safety 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.



VDE-EMC label
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 signalises the reliable operation of your product in an electromagnetic environment. As the requirements on issuing the label automatically and unreservedly cover satisfaction of the relevant standards.



ENEC label from VDE
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.



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.



F label
Information showing that lights may be mounted on normally flammable surfaces.

STEINEL® HOME
German Quality

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