

The challenging path to climate neutrality.

# Less is more.

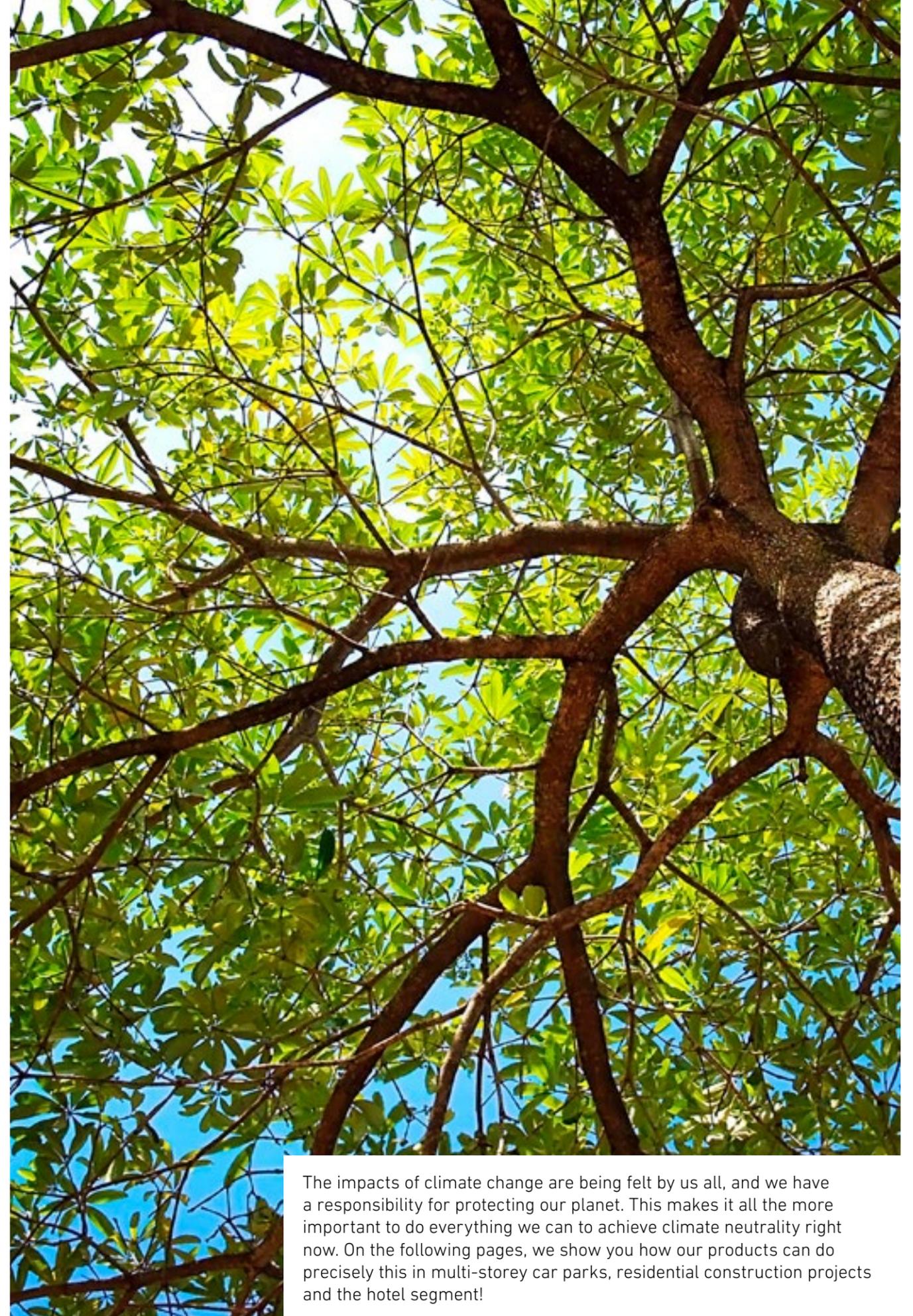
STEINEL PRODUCTS. Solutions to boost energy efficiency and cut carbon emissions.

 steinel

# Since the first sensor-switched light was invented in 1987, we have turned energy saving into a business model.

Switching light on whenever it's needed. Inventing the first sensor-switched light, we built the foundation for saving energy in 1987. True to the motto "turning two into one", we integrated the sensor technology directly into our lights. Advancements in our products have resulted in intelligent solutions that today provide three things above all else: greater energy savings, greater safety and security, greater user-friendly convenience. Now, our products go far beyond just switching light on and off. This saves additional energy in terms of heating, ventilation and air conditioning. We at STEINEL develop solutions for tomorrow that are already possible today.

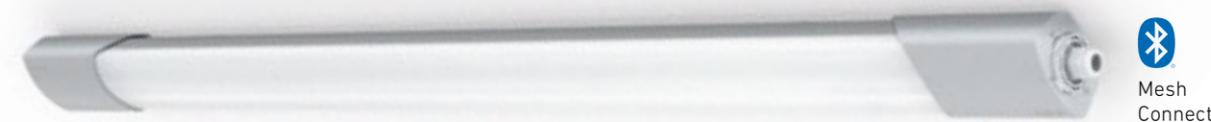
For further information on the subject of sustainability at STEINEL, go to [www.steinell.de/nachhaltigkeit](http://www.steinell.de/nachhaltigkeit).



The impacts of climate change are being felt by us all, and we have a responsibility for protecting our planet. This makes it all the more important to do everything we can to achieve climate neutrality right now. On the following pages, we show you how our products can do precisely this in multi-storey car parks, residential construction projects and the hotel segment!

# Energy savings of over 90% with swarm intelligence made by STEINEL.

Multi-storey car parks are often illuminated 24 hours a day. We at STEINEL have a solution that makes parking more climate-neutral while providing optimum lighting, safety and convenience. LED lighting in conjunction with sensor technology and wireless interconnection all combined in one concept: Using Bluetooth mesh technology and swarm intelligence, several lights can be interconnected with each other and combined in a uniform light circuit. All interconnected lights come on as soon as the integrated sensor detects the movement of a person. When the lighting is no longer needed, it switches off automatically. The result: maximum energy- and cost savings.



## RS PRO 5100 – the answer to many legitimate questions.

How can we reduce running costs and protect the climate? How can we quickly make our investments pay off? The answer lies in the app-controllable RS PRO 5100. With its 360-degree high-frequency sensor, a long-life 30-watt LED lighting system as well as its wireless interconnectability via Bluetooth, it is the preferred choice for anyone operating, modernising or planning multi-storey car parks.



## A unique combination of energy efficiency and lighting convenience.

Light every step of the way: our intelligent LED technology provides optimum lighting convenience around the clock. This saves energy and makes visitors feel at ease.



Simple, fast adjustment of all lights via the free app.

30%

Fewer lights than before modernising.

80%

Higher average light level – from 120 to 220 lux.

60,000<sup>h</sup>

The lifespan of the LED system installed.

-95%

Lighting intelligence drastically reduces energy consumption even further.



Mesh  
Connect

### RS PRO R-series: Connected with tomorrow.

The R-series from STEINEL speaks tomorrow's language: Bluetooth mesh. An integrated high-frequency sensor switches light on and off in relation to use. The LED lighting system maximises output and performance while minimising energy consumption. The lights are extremely low on maintenance and available in either warm or neutral white.



### For stairwells to top all others.

Feeling good where you live goes for the stairs too. The answer? Uninterrupted lighting, without switches. That not only saves energy but saves you tripping too. For peace of mind walking up the stairs from ground level to top floor.

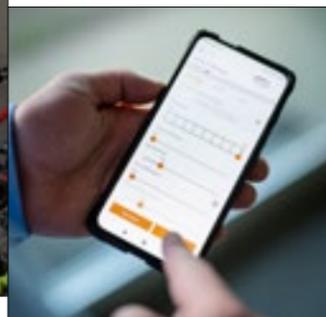


### Escort with an eye for safety in every part of the building.

Throughout the building, lights are wirelessly interconnected and easily set or adjusted via app. Even when it's dark, automatic, sensor-switched lighting makes you feel safe and perfectly at ease.

-90%

energy saving from swarm intelligence to illuminate the stairs.



Groups of up to 100 lights can be set and adjusted via app.

50,000<sup>h</sup>

- The lifespan of the LED system installed.

# Rescuing our climate starts at the front door: millions of stairwells around the world are ready for making energy savings of up to 90%.

Boosting building efficiency, cutting costs and feeling safe and secure where you live: Connected Lighting, the future of modern residential complexes. Combined with swarm intelligence from STEINEL, the Bluetooth-based solution maximises practical convenience while minimising energy use. The intelligent lighting system permits the wireless interconnection of various Bluetooth lights in different parts of the building. The integrated neighbouring-light function illuminates the way ahead throughout the stairwell.

# Hotels of all countries, unite! It's time for answers that benefit the guest, the hotel and the environment.

Sensor-assisted hotel automation combines high-quality technology with modern building management. Optimum service, superior convenience, huge cost savings: STEINEL's integrated concept comes with all manner of solutions and benefits at all levels. The concept is based on True Presence®, the first true human-presence detector. The focus is on reliable presence detection for controlling lighting and air-conditioning systems all automatically. What's more, numerous processes can be simplified too. Instead of knocking on the room door, all it takes is a glance at the housekeeping app and cleaning staff are informed of current "room status". Added value for the guests, a benefit for everyone involved.



## True Presence® – the first true presence detector

The world's first detector capable of identifying true human presence makes it possible to detect the complete absence of persons over an area of up to 64 square metres. In addition, the 360-degree high-frequency sensor's presence detection zone is a previously unattained 177 square metres.



## Smart building management in a new dimension.

True Presence® takes building automation to a whole new level. The high quality of data acquired provides an efficient basis for managing complex room situations in hotels. For better health, safety, security and convenience.



# 100%

The first true presence detector detects whether or not guests are still in their room.

# -12%

Energy is saved by automatically lowering the room temperature by 2°C when no one is in the room.



## Effective energy saving.

Air conditioning only when guests are in the hotel room – this is made possible with the True Presence® sensor. As soon as the guest leaves the room, the air conditioning automatically switches to a lower level. Lighting and ventilation can also be controlled in line with demand.



# 1 | 0

Housekeeping can see whether or not the room is in use.

# Our contribution to the Green Deal comes in the form of over 600 sensor and lighting solutions. You only need to remember 6 things.

Protect the environment and live life in a sustainable manner: both a business and social responsibility we all share.

If you too wish to help protect the climate, you can start now. Because we at STEINEL have the right solutions for the Green Deal – and can provide them even today.

1



**STEINEL is the sensor specialist for automating buildings.**

We have been setting the standards in building sensor technology since 1987. Today, STEINEL solutions are sold in over 70 countries.

2



**STEINEL lights are always a step ahead.**

The unique combination of optimum lighting and ultra-precision sensor control for energy savings in excess of 90%.

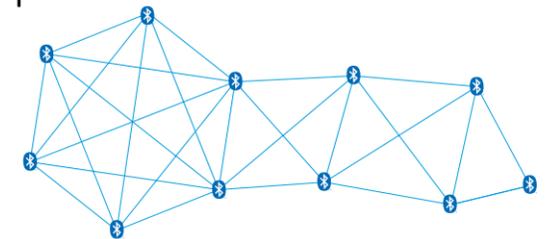
3



**Interconnection, setting and adjustment are one thing in particular: simple.**

Our Bluetooth-based lighting solutions are easily set and adjusted whenever necessary via STEINEL Connect app.

4



**STEINEL products communicate with each other.**

By integrating Bluetooth mesh, STEINEL products are wirelessly interconnected to create intelligent networks.

5



**Compatible with all leading systems.**

STEINEL products are available with all common interfaces and easy to integrate for planners and fitters.

6



**The right sensor technology for every application.**

STEINEL is the brand leader in infrared, high-frequency, ultrasonic and optical sensor technology for modern buildings.

# Sector solutions that work

## Multi-storey car park



## Residential construction



## The hotel industry



## Your personal sensor and lighting specialist

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