Steinel 008383

Steinel RS 16 LED Ceiling Light with Motion Detector - Instruction Manual

INTRODUCTION

Thank you for choosing the Steinel RS 16 LED Ceiling Light. This advanced indoor luminaire features an integrated 360-degree high-frequency motion sensor, providing reliable and automated lighting for various indoor spaces. Designed for energy efficiency and convenience, the RS 16 LED offers a luminous flux of 930 lumens with a low power consumption of just 9.5 watts, potentially saving up to 90% on electricity costs compared to traditional lighting.

Its simple, round design with a PMMA plastic cover ensures ambient light diffusion, making it ideal for hallways, entrance areas, and stairwells. This manual will guide you through the installation, operation, and maintenance of your new Steinel RS 16 LED light.

Figure 1: Steinel RS 16 LED Ceiling Light in a hallway setting.

SETUP AND INSTALLATION

Before beginning installation, ensure the main power supply is switched off to prevent electrical hazards. Installation should be performed by a qualified electrician in accordance with local wiring regulations.

Package Contents:

- 1 x Steinel RS 16 LED Indoor Luminaire with LED system
- 1 x Mounting accessories (screws, wall plugs)

Mounting Steps:

1. **Prepare the Mounting Surface:** Choose a suitable location on the ceiling or wall. Ensure the surface is flat and stable.
2. **Mark Drilling Points:** Use the mounting plate of the luminaire as a template to mark the drilling points on the

surface.

3. **Drill Holes:** Drill holes at the marked positions and insert the provided wall plugs.

4. **Connect Wiring:** Connect the electrical wires from the ceiling/wall to the luminaire's terminal block. Ensure correct polarity (Live, Neutral, Earth).

5. **Secure the Luminaire:** Attach the luminaire to the mounting surface using the provided screws.

6. **Attach the Diffuser:** Securely fasten the PMMA plastic diffuser cover to the luminaire body.

280

110

280

241

148

120°(3X)

197
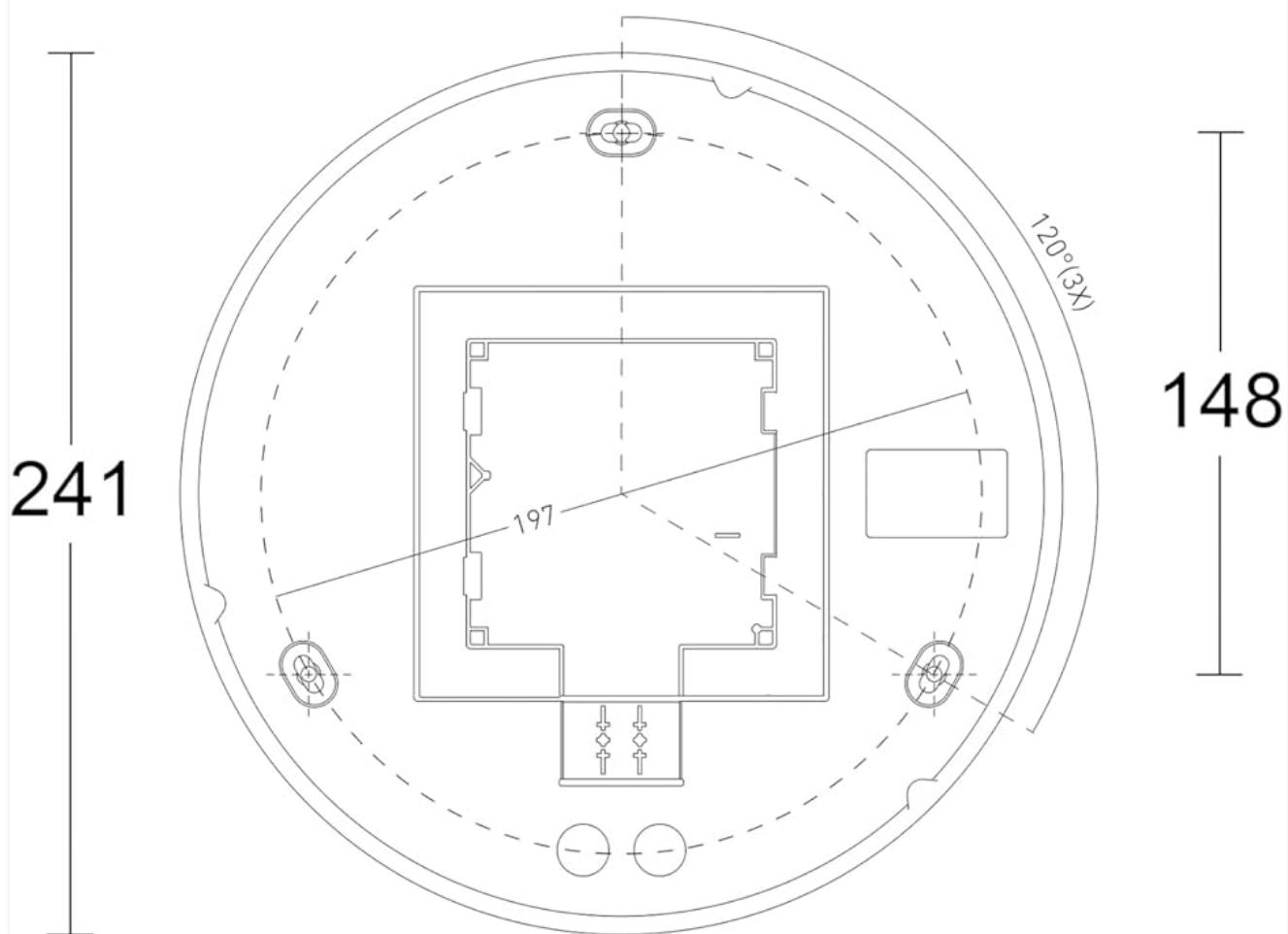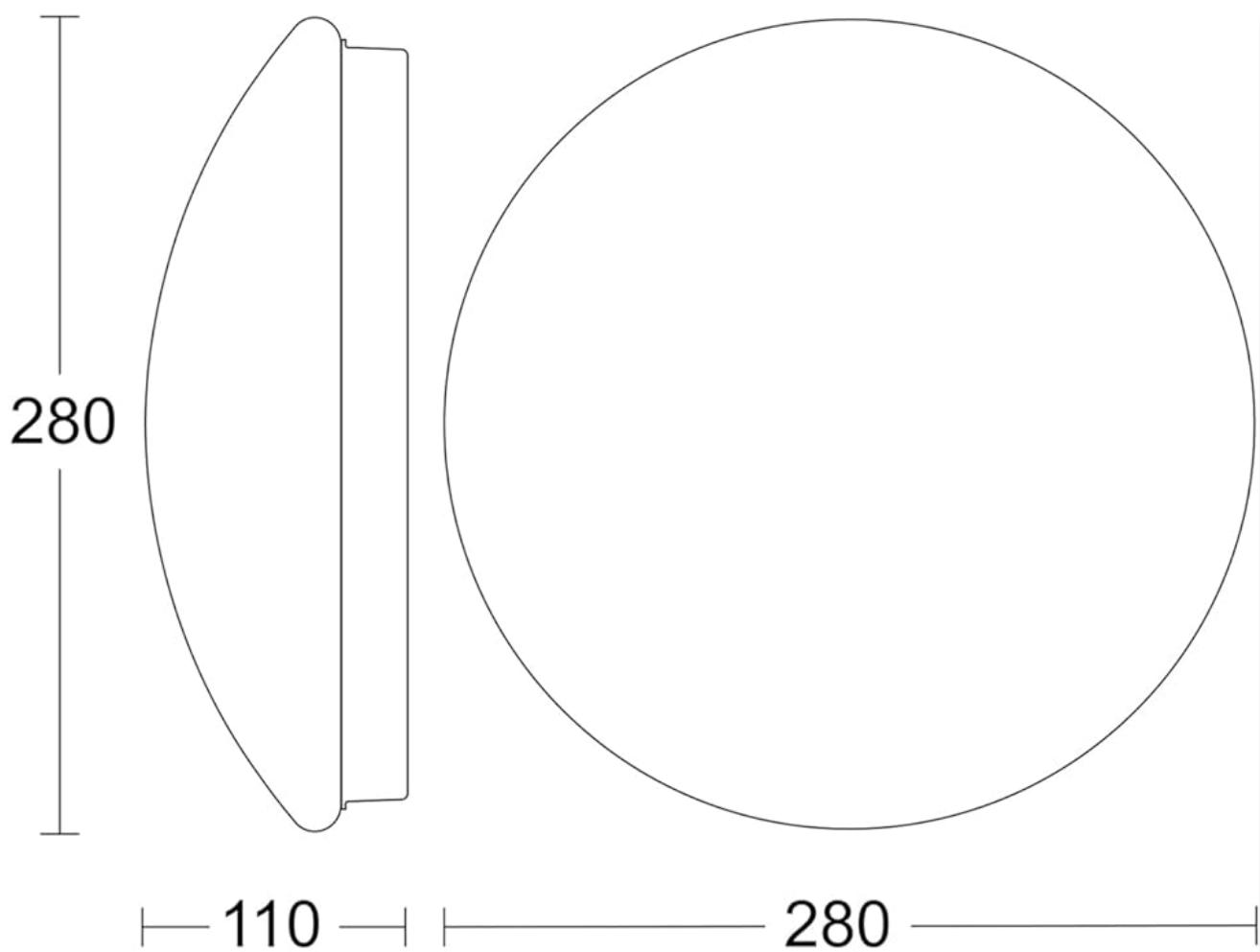
Figure 2: Technical drawing with dimensions (280mm diameter, 110mm depth) and mounting points.

steinel

Hochfrequenz-Sensor 360°
High-frequency sensor 360°

958 lm
9,5 W
100 lm/W

4000 K
neutralweiß
neutral-white

IP44
Für Bäder geeignet
Suitable for bathrooms

3 years
Herstellergarantie
manufacturer's warranty
www.steinel.de/garantie

Entwickelt in Deutschland
German engineering

Sensor   LED

RS 16 S PMMA

LED Wand- & Deckenleuchte Sensor
LED wall and ceiling light sensor

Figure 3: The RS 16 LED light illuminating a staircase.

OPERATING INSTRUCTIONS

The Steinel RS 16 LED features a high-frequency motion sensor that detects movement across a 360-degree area, even through glass, wood, and light walls. This allows the light to activate automatically before you even enter the

room.

Adjusting Settings:

The following settings can be adjusted using a small slotted screwdriver on the control dials located on the luminaire's base (refer to the product diagram for exact location):

- **Reach/Range:** Adjust the detection range from approximately 3 meters to 8 meters in diameter. This controls how far the sensor detects movement.
- **Twilight Setting (Lux):** Set the ambient light level at which the sensor becomes active. This can be adjusted from 2 lux (dark) to 2000 lux (daylight). The light will only activate when the ambient light falls below this set threshold.
- **Lighting Duration:** Determine how long the light remains on after motion is detected and no further motion is registered.

Networking Feature:

The RS 16 LED supports networking with up to 10 other compatible Steinel indoor luminaires. This feature allows multiple lights to switch on simultaneously when motion is detected by any networked unit, providing seamless illumination for long corridors, large stairwells, or open-plan areas.

Figure 4: Key features and specifications of the RS 16 LED.

MAINTENANCE

The Steinel RS 16 LED is designed for long-term, low-maintenance operation. The integrated LED system has an

average lifespan of 50,000 hours, reducing the need for frequent bulb replacements.

Cleaning:

To clean the luminaire, gently wipe the surface with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the plastic cover or electronic components. Ensure the power is off before cleaning.

Light Source Replacement:

This product contains a light source. Luminaires containing light sources can be disassembled to separately verify the contained light source(s). This product contains a light source of energy efficiency class E. For any issues with the integrated LED system, please contact Steinel customer support or a qualified electrician.

TROUBLESHOOTING

If you encounter issues with your Steinel RS 16 LED light, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply, twilight setting too high, sensor range too low.	Check power connection. Adjust twilight setting to a lower lux value. Increase sensor range.
Light stays on continuously.	Continuous motion in detection area, lighting duration set too long, faulty sensor.	Ensure no constant motion. Reduce lighting duration. If problem persists, contact support.
Light turns on without apparent motion.	Sensor sensitivity too high, environmental factors (e.g., drafts, small animals).	Reduce sensor range/sensitivity. Ensure proper installation away from strong air currents.
Light flickers.	Unstable power supply, loose wiring.	Check electrical connections. Consult an electrician if power supply is unstable.

If these solutions do not resolve the issue, please contact Steinel customer support.

SPECIFICATIONS

Feature	Detail
Brand	Steinel
Model Number	008383
Dimensions (L x W x H)	28 x 28 x 11 cm
Weight	380 grams
IP Rating	IP44

Feature	Detail
Style	Detector, LED, PMMA plastic cover
Color	White
Material	Plastic
Voltage	230 Volts
Special Features	Motion Detector
Bulb Type	LED (integrated)
Luminous Flux	930 lm
Power Consumption	9.5 Watts
Color Temperature	4000 Kelvin (Neutral White)
Color Rendering Index (CRI)	80
Average Lifespan	50,000 Hours
Sensor Type	High-frequency 360° presence sensor
Detection Range	3-8 meters (diameter)
Twilight Setting	2-2000 lux
Installation Type	Ceiling mount
Usage	Indoor

WARRANTY

Steinel provides a 3-year manufacturer's warranty for the RS 16 LED Ceiling Light. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, please visit the official Steinel website or contact their customer service.

SUPPORT

For further assistance, technical support, or to inquire about spare parts, please contact Steinel customer service. You can find contact information on the official Steinel website or through your local retailer.

Steinel GmbH
Website: www.steinel.de