

## Steinel L 840 SC

# Steinel L 840 SC LED Outdoor Wall Light Instruction Manual

Model: L 840 SC | Brand: Steinel

## 1. INTRODUCTION

The Steinel L 840 SC is an advanced LED outdoor wall light designed for modern exterior illumination. It features an integrated 160° high-frequency motion detector and smart control capabilities via the Steinel Connect app. This light provides warm white illumination and offers various customizable settings for enhanced security and convenience around your home, pathways, garden, and patio.

## 2. SAFETY INSTRUCTIONS

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with national wiring regulations and local electrical codes.
- **Power Disconnection:** Always disconnect the power supply at the main circuit breaker before attempting any installation, maintenance, or repair work.
- **Outdoor Use:** This product is designed exclusively for outdoor use. Ensure proper sealing and weather protection during installation.
- **Mounting Surface:** Mount the light on a stable, flat surface that can support its weight.
- **Operating Voltage:** Ensure the power supply voltage matches the product's specified voltage (220-240 V).
- **Non-Replaceable LED:** The LED light source is integrated and cannot be replaced. Do not attempt to open the LED module.

## 3. PACKAGE CONTENTS

Please check that all components are present and undamaged:

- Steinel L 840 SC LED Outdoor Wall Light
- Mounting material (3 screws, 3 wall plugs, 3 spacers)
- User Manual

## 4. SETUP AND INSTALLATION

The Steinel L 840 SC is designed for wall mounting. Ensure the chosen location provides optimal coverage for the motion sensor and is within reach of the electrical supply.

## 4.1 Mounting Location Considerations

- **Height:** For optimal motion detection, mount the light at a height of approximately 1.8 to 2.5 meters.
- **Sensor Range:** The 160° high-frequency sensor has a range of up to 5 meters. Consider the desired detection area when positioning.
- **Obstructions:** Avoid mounting near large metal objects, dense foliage, or other sources of interference that might affect sensor performance.

## 4.2 Installation Steps

1. **Disconnect Power:** Turn off the main power supply to the installation area at the circuit breaker. Verify that the power is off using a voltage tester.
2. **Prepare Mounting Surface:** Mark the drilling points on the wall using the light fixture as a template. Drill holes and insert the provided wall plugs.
3. **Wiring:** Connect the electrical wires (Live, Neutral) from your household wiring to the corresponding terminals on the light fixture. Ensure secure connections.
4. **Mount the Fixture:** Secure the light fixture to the wall using the provided screws and spacers. Ensure it is firmly attached.
5. **Restore Power:** Once installation is complete and all connections are secure, restore power at the circuit breaker. The light will perform an initial self-test.



Figure 1: Steinel L 840 SC LED Outdoor Wall Light. This image shows the anthracite-colored wall light, highlighting its compact and modern design.



Figure 2: The L 840 SC light installed on an exterior wall, providing illumination to a patio area at night. This demonstrates its aesthetic integration and functional lighting.

## 5. OPERATING INSTRUCTIONS

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The Steinel L 840 SC is primarily controlled and configured via the Steinel Connect app.

## 5.1 Steinel Connect App

The free Steinel Connect app allows you to customize various settings of your L 840 SC light.

1. **Download the App:** Download the "Steinel Connect" app from the Google Play Store (for Android devices) or the Apple App Store (for iOS devices).
2. **Pairing:** Follow the in-app instructions to pair your L 840 SC light via Bluetooth. Ensure Bluetooth is enabled on your smartphone.
3. **Configuration:** Once paired, you can access and adjust the following settings:
  - **Motion Sensor Settings:** Adjust the detection range (up to 5m) and sensitivity in 3 directions to fine-tune motion detection. The sensor is designed to ignore small animals and swaying branches.
  - **Light Duration:** Set how long the main light stays on after motion is detected.
  - **Twilight Setting:** Define the ambient light level at which the sensor becomes active.
  - **Night Light (Basic Light):** Enable a continuous low-level illumination (10% to 50% brightness) during darkness for constant ambient lighting.
  - **Continuous Light:** Activate a 4-hour continuous full brightness mode for extended illumination when needed.
  - **Dimmable Main Light:** Adjust the brightness of the main light output from 50% to 100%.
  - **Light Groups (Bluetooth Mesh):** Connect multiple Steinel Connect lights to create groups and control them simultaneously for synchronized lighting scenarios.

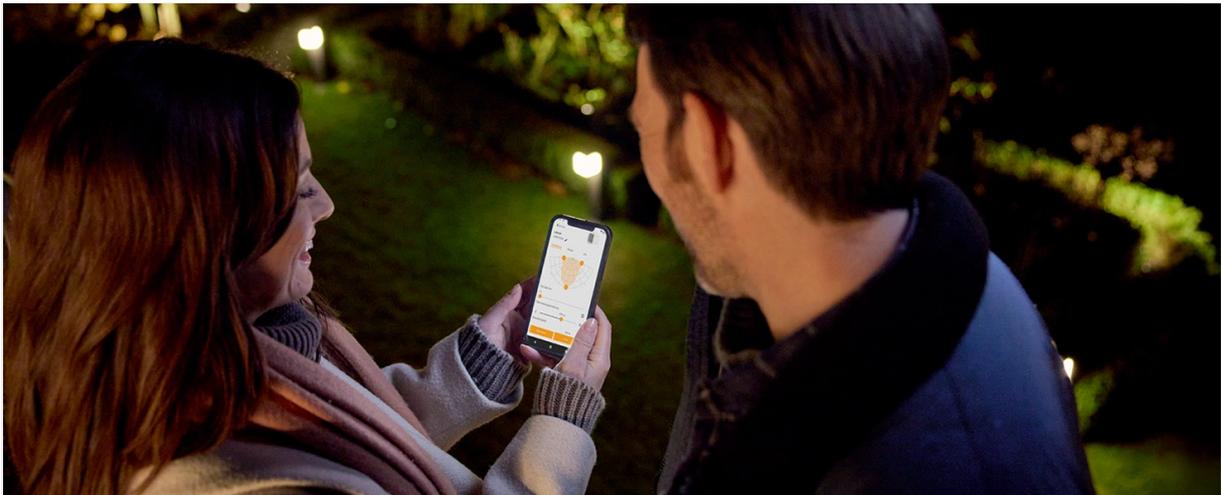


Figure 3: Screenshot of the Steinel Connect app interface, demonstrating the various settings available for controlling the light fixture.



Figure 4: Diagram illustrating how multiple Steinel Connect lights can form a Bluetooth Mesh network for synchronized control.

## 5.2 Motion Sensor Operation

The L 840 SC features an invisible 160° high-frequency sensor that reliably detects human movement.

- **Detection Principle:** The sensor emits high-frequency electromagnetic waves and detects changes in the echo caused by movement within its detection zone.
- **Intelligent Detection:** It is optimized to differentiate between human movement and smaller disturbances like pets or wind-blown foliage, reducing false triggers.
- **Adjustable Range:** The detection range can be precisely adjusted via the app to suit the specific requirements of your installation area.

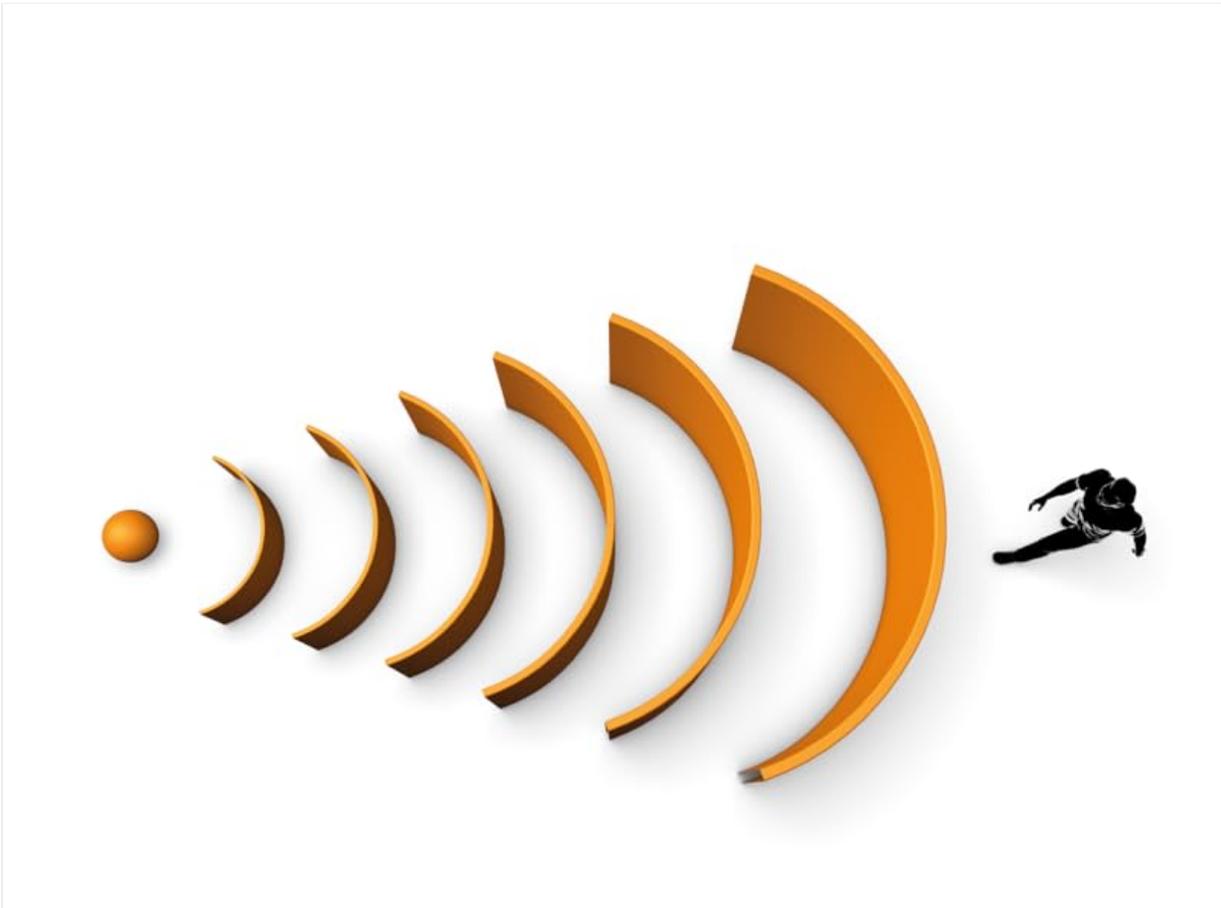


Figure 5: Visual representation of the high-frequency sensor's detection pattern, showing how it emits waves to detect movement.

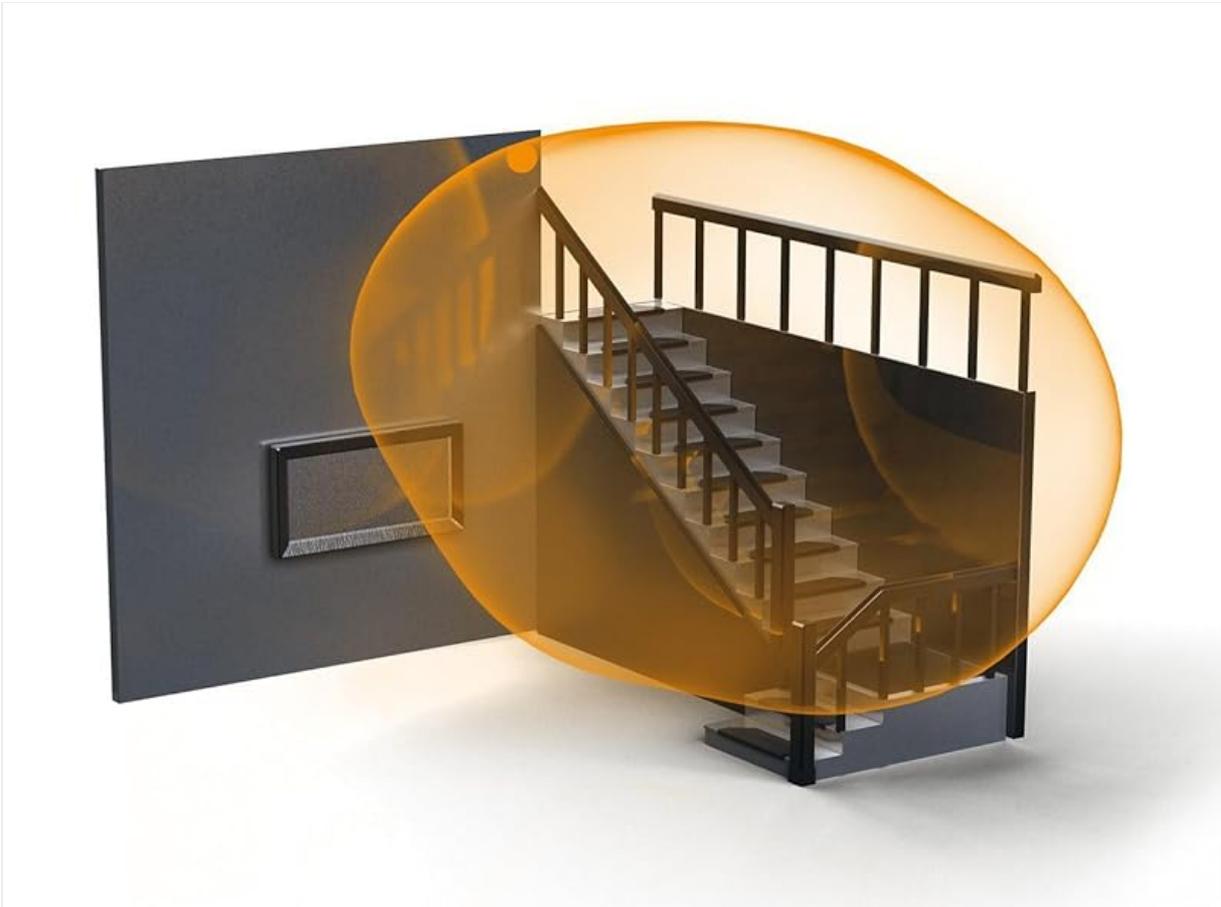


Figure 6: Diagram illustrating the typical motion detection range of the sensor in an outdoor environment, showing its coverage area.

## 6. MAINTENANCE

The Steinel L 840 SC is designed for low maintenance. The integrated LED system has a long lifespan of approximately 50,000 hours, meaning bulb replacement is not required.

- **Cleaning:** To clean the fixture, wipe it with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the surface.
- **Inspection:** Periodically check the fixture for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.

## 7. TROUBLESHOOTING

If you encounter issues with your Steinel L 840 SC, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; incorrect wiring; twilight setting too high.	Check circuit breaker; verify wiring connections; adjust twilight setting in the app.
Light stays on continuously.	Continuous light mode activated; constant motion in detection area; faulty sensor.	Deactivate continuous light in the app; check for persistent movement; contact support if sensor is faulty.
Sensor does not detect motion.	Detection range too small; sensor obstructed; incorrect sensitivity setting.	Increase detection range in the app; clear obstructions; adjust sensor sensitivity.
Cannot connect to the app.	Bluetooth off; light not in pairing mode; app issues.	Ensure Bluetooth is on; restart the light; restart the app or reinstall it.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	055530
Dimensions (L x W x H)	11 x 11 x 13.4 cm
Weight	0.504 kg
Power Supply	220 – 240 V / 50 – 60 Hz
Wattage	9.1 Watts
Luminous Flux	319 lm
Light Color	Warm White (3000 K)
LED Lifespan	50,000 hours
Motion Sensor	160° High-Frequency (invisible)

Feature	Specification
Detection Range	Up to 5 meters
Connectivity	Bluetooth
Control Method	Steinel Connect App (iOS/Android)
Material	UV-resistant Plastic
Color	Anthracite
Protection Class	Waterproof (specific IP rating not provided, but implied by 'waterproof')
Installation Type	Wall Mount
Item Shape	Rectangular

## 9. WARRANTY AND SUPPORT

Steinel products are manufactured to high-quality standards and undergo rigorous testing. For specific warranty information, please refer to the warranty card included with your product or visit the official Steinel website. If you require technical assistance, have questions about installation, or need to report a defect, please contact Steinel customer support through their official website or the contact information provided in your product packaging.

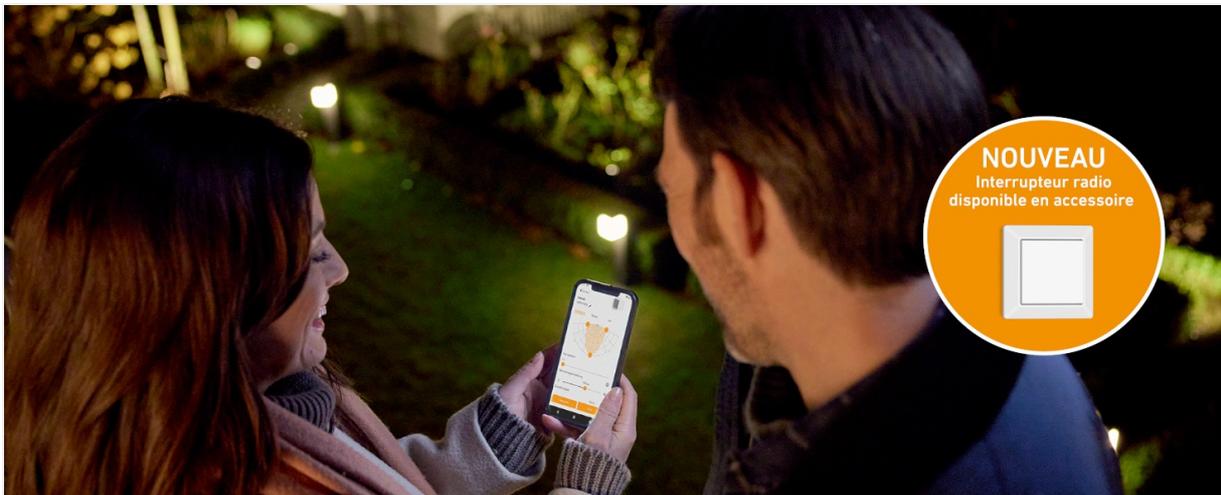


Figure 7: The Steinel Tap Duo C wireless switch, an optional accessory that can be used to control Steinel Connect lights.