Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Steinel NightmatIQ

Steinel NightmatIQ Twilight Switch (Model 066147) Instruction Manual

Automatic Outdoor Lighting Control

1. Product Overview

The Steinel NightmatIQ Twilight Switch is designed for automatic control of outdoor lighting based on ambient light levels. It offers a discreet, flat, and linear design, ensuring reliable operation in various outdoor environments.
This device automatically activates connected luminaires when the ambient light falls below a user-defined threshold and deactivates them at dawn. It is suitable for converting existing manual lighting systems to automatic operation.



Image 1.1: Front view of the Steinel NightmatIQ Twilight Switch.



Image 1.2: Illustration of automatic lighting operation: light on when dark, light off when bright.

2. Safety Instructions

Please read these instructions carefully before installing or operating the device. Failure to follow these instructions may result in property damage, personal injury, or death.

- **Electrical Installation:** Installation must be carried out by a qualified electrician in accordance with national wiring regulations and local electrical codes.
- **Power Disconnection:** Always disconnect the power supply before performing any work on the device.
- **Voltage:** Ensure the power supply voltage matches the device's specifications (220-240V).
- **Protection:** The device is rated IP54 for protection against dust and splashing water. Ensure proper sealing during installation to maintain this rating.
- **Modifications:** Do not modify the device in any way. Unauthorized modifications may void the warranty and pose safety risks.

3. Setup and Installation

The NightmatIQ Twilight Switch is designed for wall mounting. The cable connection can be either recessed or surface-mounted.

3.1 Package Contents

- Steinel NightmatIQ Twilight Switch
- Mounting material (2x screws, 2x dowels, 2x sealing plugs)

3.2 Mounting Location

Choose a mounting location that is exposed to natural ambient light and not directly affected by artificial light sources (e.g., streetlights, other lamps) that could interfere with its operation. Avoid locations where the sensor could be obstructed by objects or foliage.



Image 3.1: The NightmatIQ Twilight Switch installed on an exterior wall.

3.3 Installation Steps

1. **Disconnect Power:** Ensure the main power supply to the installation area is switched off at the circuit breaker.
2. **Mark Drilling Points:** Use the device or mounting plate as a template to mark the drilling points on the wall. Refer to the dimensions diagram for precise measurements.
3. **Drill Holes:** Drill holes at the marked points and insert the provided dowels.

4. **Wire Connection:** Connect the electrical wires to the terminal block inside the device. Ensure correct polarity and secure connections. It is recommended to consult a qualified electrician for wiring to ensure safety and proper function, especially for in-line installations.
5. **Mount Device:** Secure the device to the wall using the provided screws. Ensure the sealing plugs are correctly used to maintain the IP54 rating.
6. **Restore Power:** Once installation is complete and all connections are secure, restore power to the circuit.

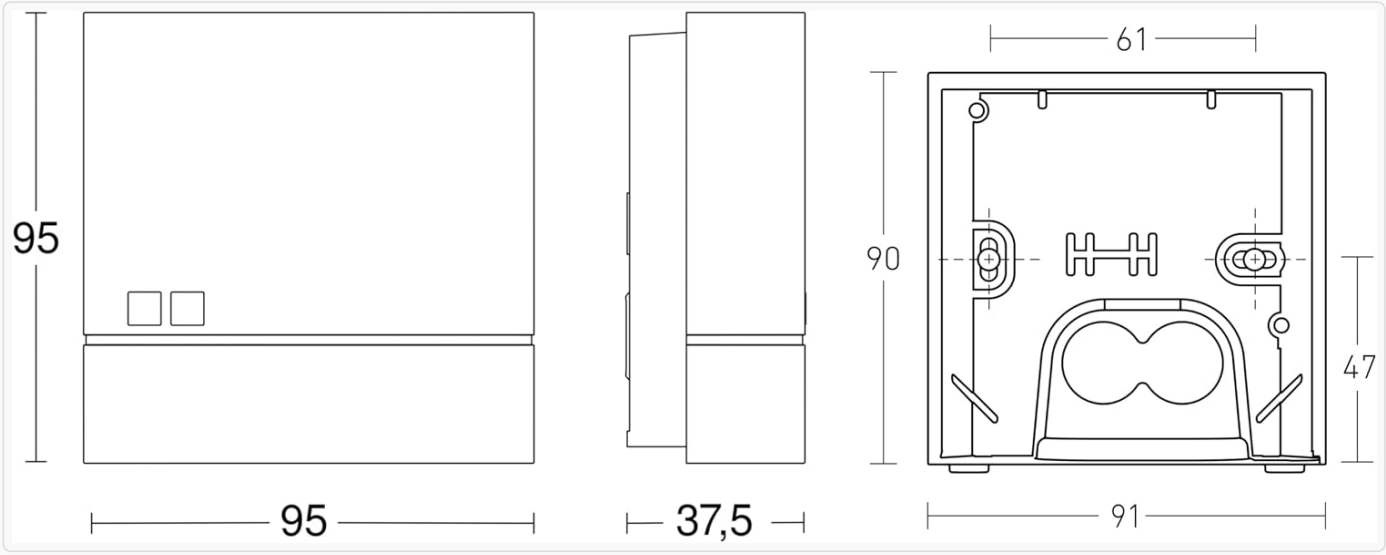


Image 3.2: Dimensions of the NightmatIQ Twilight Switch (in mm).

4. Operating Instructions

The NightmatIQ Twilight Switch operates automatically once installed and configured.

4.1 Automatic Light Control

The device continuously monitors the ambient light level. When the light level drops below the set twilight threshold, the connected lighting fixtures will automatically turn on. When the ambient light level rises above the threshold (e.g., at dawn), the lighting fixtures will automatically turn off.

4.2 Adjusting the Twilight Threshold

The twilight threshold, which determines when the lights turn on and off, can be adjusted using a potentiometer (regulator) on the device. This allows you to set the desired brightness level between 1 and 75 lux.

- **Lower Lux Setting (e.g., 1 lux):** Lights will turn on only when it is very dark.
- **Higher Lux Setting (e.g., 75 lux):** Lights will turn on when it is still relatively bright (e.g., overcast day, early dusk).

To adjust, carefully open the device cover (if applicable) and locate the potentiometer. Turn it clockwise to increase the lux threshold (lights turn on earlier) or counter-clockwise to decrease it (lights turn on later).

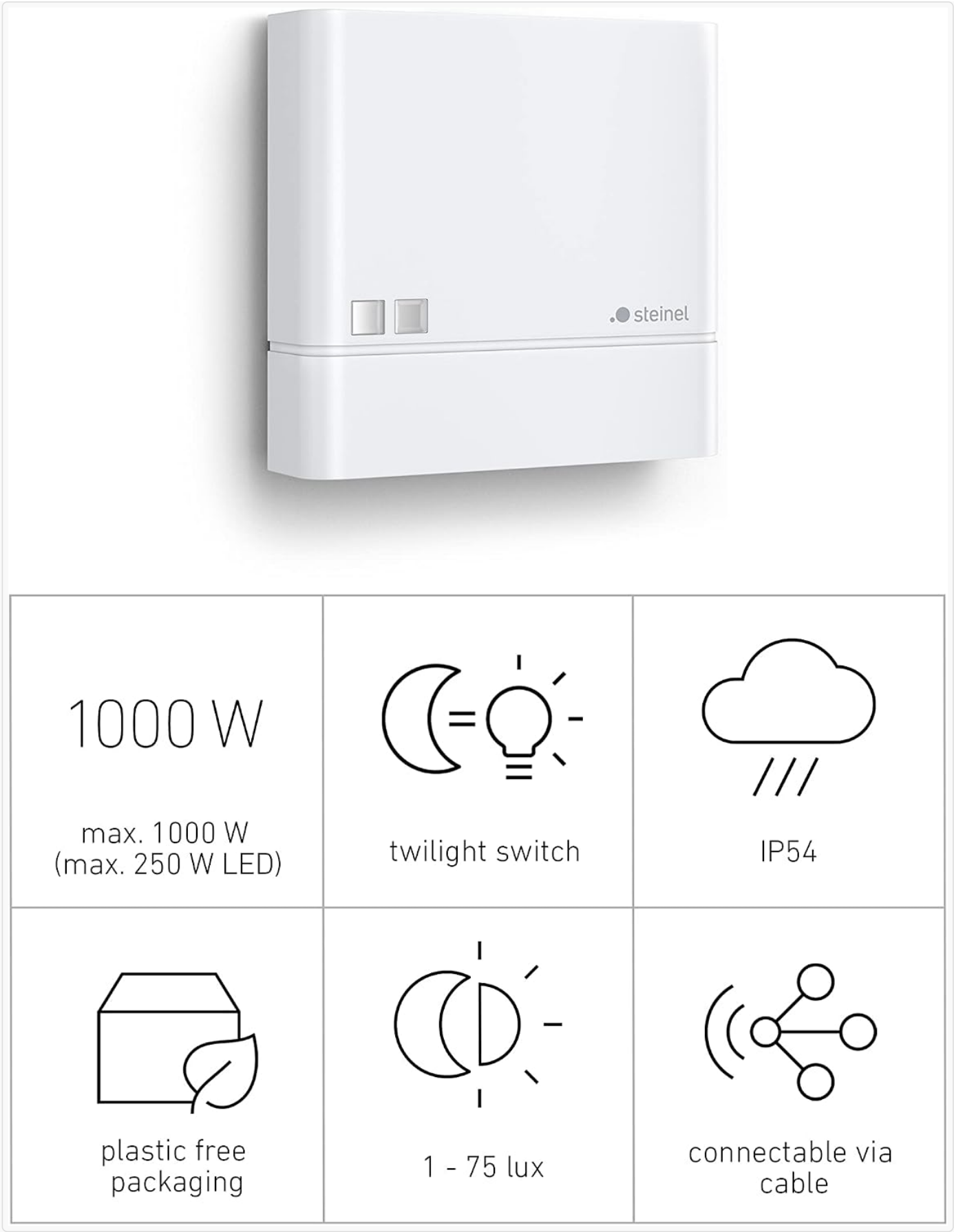


Image 4.1: Key features of the NightmatIQ Twilight Switch.

5. Maintenance

The Steinel NightmatIQ Twilight Switch is designed for minimal maintenance due to its robust construction and IP54 rating.

- **Cleaning:** Periodically clean the sensor surface with a soft, damp cloth to remove any dirt, dust, or debris that might obstruct the light sensor. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the device for any signs of damage, loose connections, or wear. If any issues are found, disconnect power and consult a qualified electrician.

6. Troubleshooting

If you experience issues with your NightmatIQ Twilight Switch, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Lights do not turn on at dusk.	• No power supply. • Twilight threshold set too low (too dark). • Sensor obstructed. • Faulty wiring.	• Check circuit breaker and power connections. • Adjust the potentiometer to a higher lux setting. • Clear any obstructions from the sensor. • Consult a qualified electrician to check wiring.
Lights do not turn off at dawn.	• Twilight threshold set too high (too bright). • Sensor obstructed. • External light source interfering.	• Adjust the potentiometer to a lower lux setting. • Clear any obstructions from the sensor. • Relocate the sensor or shield it from artificial light sources.
Lights flicker or behave erratically.	• Unstable power supply. • Interference from other electrical devices. • Faulty unit.	• Check power supply stability. • Ensure proper grounding. • Contact customer support if the issue persists after checking power and connections.

7. Specifications

Feature	Specification
Brand	Steinel
Model Number	066147
Dimensions (L x W x H)	3.8 x 9.5 x 9.5 cm
Weight	128 grams
IP Rating	IP54 (Protection against dust and splashing water)
Voltage	220-240 V / 50-60 Hz
Maximum Wattage	1000 W (incandescent), 250 W (LED)
Twilight Threshold	1 - 75 lux (adjustable)
Material	Plastic
Installation Type	Wall mount

Feature	Specification
Special Features	Waterproof

8. Warranty and Support

8.1 Manufacturer's Warranty

This Steinel NightmatIQ Twilight Switch comes with a**3-year manufacturer's warranty**. Please refer to the specific warranty conditions provided in the product packaging or on the official Steinel website for full details.

8.2 Customer Support

For technical assistance, warranty claims, or further information, please visit the official Steinel website or contact their customer service department. Contact details can typically be found on the product packaging or on the brand's website. You can find more information about Steinel products and support at:Steinel Brand Store

© 2025 Steinel. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0BV7KKY3S

More documents and user manuals: **https://manuals.plus/**