SSC-LUXon NORSU 7440

SSC-LUXon NORSU Dual-Wing LED Spotlight
USER MANUAL

Model: NORSU 7440

1. Introduction

The SSC-LUXon NORSU is a high-performance, dual-wing LED spotlight designed for outdoor wall-mounted applications. It features an integrated motion sensor and a dusk sensor, providing efficient and intelligent illumination for your garden, terrace, entrance, or garage. With its robust IP65 weather-resistant design, the NORSU spotlight ensures reliable operation in various outdoor conditions.

Key Features:

- Bright 4000K neutral white LED illumination.
- Adjustable PIR motion sensor for precise detection.
- Integrated dusk sensor for automatic operation.
- Two independently adjustable LED spotlights for flexible light direction.
- IP65 rated for weather, dust, and water resistance.
- Durable aluminum and plastic construction.

Figure 1.1: SSC-LUXon NORSU Dual-Wing LED Spotlight. This image shows the black spotlight with its two adjustable white LED panels and the motion sensor dome at the bottom.

2. Safety Instructions

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with local electrical codes and regulations. Ensure the power supply is disconnected before installation, maintenance, or troubleshooting.
- **Voltage:** This product operates on 220-240 V AC 50/60 Hz. Do not connect to any other voltage.
- **IP65 Rating:** The IP65 rating ensures protection against dust ingress and low-pressure water jets from any direction. While weather-resistant, avoid submerging the unit in water or exposing it to high-pressure water jets.
- **Mounting:** Mount the fixture securely on a stable surface. Ensure the mounting location can support the weight of the fixture.
- **Heat:** The LED panels can become warm during operation. Do not touch the panels directly when the light is on.
- **Disposal and Recycling:**

  For information on recycling this and other types of lamps, please refer to local recycling guidelines. Proper disposal of electronic waste is crucial for environmental protection.

  In case of broken or damaged bulbs, exercise caution. Avoid direct contact with broken glass. For detailed

instructions on how to clean and dispose of broken or damaged lamps, consult local waste management authorities or specialized recycling centers.

3. Package Contents

Carefully unpack the box and ensure all items are present and undamaged. If any items are missing or damaged, please contact your retailer.

- 1 x SSC-LUXon NORSU LED Spotlight with Motion Sensor
- 1 x Set of Screws and Wall Plugs
- 1 x Corner Mounting Adapter
- 1 x Cover (for motion detector detection field orientation)

Figure 3.1: Overview of the package contents, including the NORSU LED spotlight, corner bracket, cover, and mounting hardware (screws and wall plugs).

4. Installation

Before beginning installation, ensure the main power supply is turned off at the circuit breaker to prevent electric shock.

1. **Choose Mounting Location:** Select a suitable outdoor wall location. The recommended mounting height for optimal motion detection is 1.8 - 2.5 meters (approximately 5.9 - 8.2 feet).

2. **Prepare Wiring:** Route the electrical wiring from the wall to the fixture's mounting point. Ensure proper sealing to maintain the IP65 rating.

3. **Mounting the Base:**

   - Detach the mounting plate from the fixture.
   - Place the mounting plate against the wall at the desired height and mark the drilling points.
   - Drill holes and insert the wall plugs.
   - Secure the mounting plate to the wall using the provided screws. If mounting on a corner, use the included corner mounting adapter.

4. **Wire Connection:** Connect the live, neutral, and ground wires from your electrical supply to the corresponding terminals on the fixture. Ensure all connections are secure and properly insulated.

5. **Attach Fixture:** Secure the main body of the spotlight to the mounted plate. Ensure it clicks or screws into place firmly.

6. **Adjust Spotlight Angles:** The two LED panels are independently adjustable. You can swivel them up to 135° horizontally and rotate them up to 90° vertically to direct the light precisely where needed.

Figure 4.1: The NORSU spotlight mounted on an outdoor wall, demonstrating its discreet profile next to a garage door and entrance.

310 mm

170 mm

170 mm

NORSU

Figure 4.2: Detailed dimensions of the NORSU spotlight: 310mm width, 170mm height, and 170mm depth.

Figure 4.3: Illustration of the adjustable light panels, showing 135° swivel and 90° rotation capabilities for precise light direction.

5. Operation and Sensor Settings

The NORSU spotlight features an adjustable motion sensor and a dusk sensor for automated operation. Adjust the settings to suit your specific needs.

Motion Sensor (PIR) and Dusk Sensor Settings:

The sensor controls are typically located on the underside of the motion sensor dome. Use a small screwdriver to adjust the dials.

- **LUX (Ambient Light Sensor):** This dial controls the ambient light level at which the sensor becomes active.
    - Adjust to determine if the light should activate during day, dusk, or only at night.
    - Setting to a higher LUX value (e.g., sun icon) means the light will activate even in brighter conditions.
    - Setting to a lower LUX value (e.g., moon icon) means the light will only activate in darker conditions.
    - Adjustable range: <3-2000 LUX.

- **SENS (Sensitivity):** This dial adjusts the sensitivity of the motion sensor.

  - Higher sensitivity means the sensor will detect smaller movements or movements at a greater distance.
  - Lower sensitivity reduces the detection range and responsiveness.
  - Detection distance: 5-10 meters (adjustable).

- **TIME (Light Duration):** This dial sets how long the light remains on after motion is detected and no further motion is sensed.

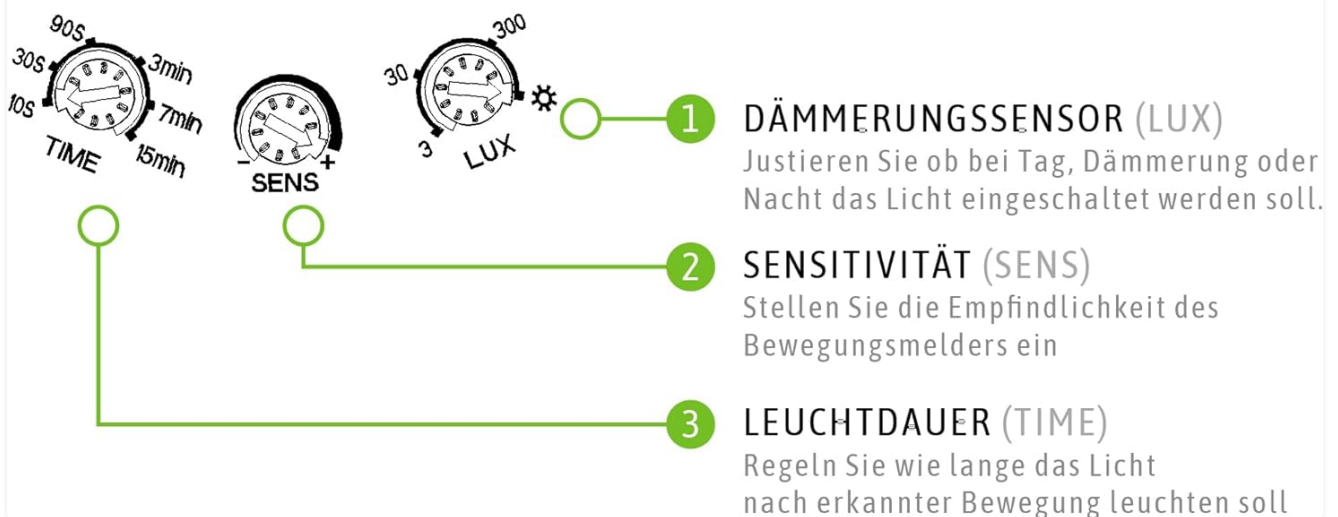 - Adjustable delay time: 10 seconds (±3 seconds) to 15 minutes (±2 minutes).

Figure 5.1: Diagram illustrating the adjustment dials for the dusk sensor (LUX), sensitivity (SENS), and light duration (TIME) on the motion sensor.
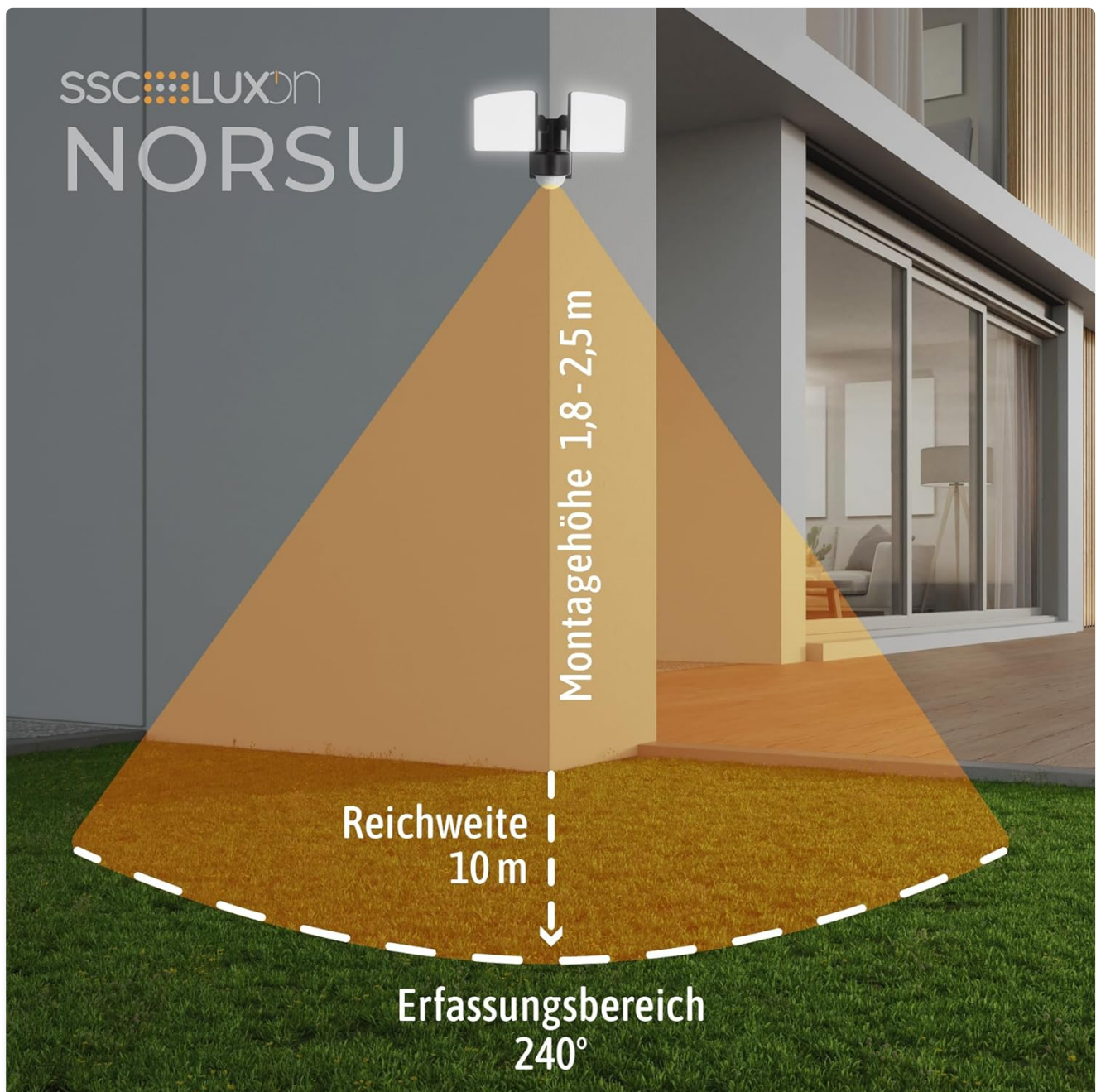
Figure 5.2: Illustration of the motion sensor's detection area, showing a 240° detection angle and a range of up to 10 meters from a mounting height of 1.8-2.5 meters.

6. Maintenance

The SSC-LUXon NORSU spotlight requires minimal maintenance. Regular cleaning will help maintain its appearance and performance.

- **Cleaning:** Disconnect power before cleaning. Wipe the fixture with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or electrical components.
- **Inspection:** Periodically inspect the fixture for any signs of damage, loose connections, or wear. If any issues are found, consult a qualified electrician.
- **LEDs:** The LEDs are integrated and not user-replaceable. The expected lifespan is 50,000 hours.

7. Troubleshooting

If you experience issues with your SSC-LUXon NORSU spotlight, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Dusk sensor setting too high (daylight). Motion sensor not detecting movement.	Check power connection and circuit breaker. Adjust LUX setting to a lower value (moon icon). Check SENS setting; ensure detection area is clear.
Light stays on continuously.	Continuous motion in detection area. TIME setting too long. Dusk sensor setting too low (always dark).	Ensure no constant movement. Adjust SENS. Adjust TIME setting to a shorter duration. Adjust LUX setting to a higher value.
Light flashes or flickers.	Unstable power supply. Loose wiring connection.	Consult a qualified electrician to check power supply. Check wiring connections (with power off).
Detection range is too short/long.	SENS setting incorrect. Mounting height not optimal.	Adjust SENS dial. Refer to installation section for optimal mounting height.

If the problem persists after trying these solutions, please contact SSC-LUXon customer support or a qualified electrician.

8. Specifications

Feature	Specification
Brand	SSC-LUXon
Model	NORSU 7440
Product Dimensions (H x W x D)	170 x 310 x 150 mm (approx. 6.7 x 12.2 x 5.9 inches)
Item Weight	1 kg (approx. 2.2 lbs)
Material	Aluminum, Plastic
Color	Black
Protection Class (IP Rating)	IP65
Voltage	220-240 V AC 50/60 Hz
Power Consumption	40 W

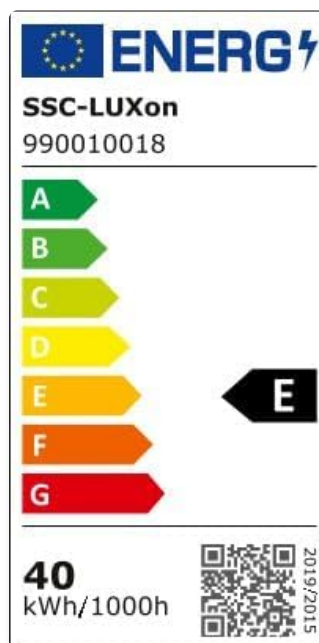| Feature	Specification
Luminous Flux	5200 lm
Color Temperature	4000 K (Neutral White)
Color Rendering Index (CRI)	83
Beam Angle	160°
Average LED Lifespan	50,000 hours
Motion Sensor Detection Angle	240°
Motion Sensor Detection Distance	5-10 m (adjustable)
Light Duration Adjustment	10 sec - 15 min (adjustable)
Ambient Light Adjustment	<3-2000 LUX (adjustable)
Energy Efficiency Class	E

Figure 8.1: Energy efficiency label for the SSC-LUXon NORSU spotlight, showing class E and 40 kWh/1000h consumption. For more details, refer to the EPREL database.

9. Warranty and Support

SSC-LUXon products are manufactured to high quality standards. For warranty information, please refer to the terms and conditions provided at the time of purchase or contact your retailer.

For technical support, troubleshooting assistance, or inquiries about your SSC-LUXon NORSU spotlight, please contact SSC-LUXon customer service through their official website or the contact information provided with your purchase.

Please have your model number (NORSU 7440) and purchase details ready when contacting support.