

ChiliTec 22575

ChiliTec LED Projector with Motion Sensor

MODEL: 22575 - USER MANUAL

Brand: ChiliTec

1. Introduction

Thank you for choosing the ChiliTec LED Projector with Motion Sensor, Model 22575. This outdoor LED floodlight is designed to provide efficient and reliable illumination with the added convenience of an integrated PIR motion sensor. Its robust construction ensures durability against UV and weather conditions, making it suitable for various outdoor applications. This manual provides essential information for safe installation, operation, and maintenance of your projector.

2. Safety Instructions

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with local electrical codes and regulations. Always disconnect power at the main circuit breaker before installation, maintenance, or repair.
- **Outdoor Use:** This product is designed for outdoor use with an IP44 rating for the complete product and IP65 for the projector housing. Ensure all connections are properly sealed and protected from moisture.
- **Mounting:** Mount the projector securely on a stable surface. Ensure the mounting location can support the weight of the fixture.
- **Heat:** The LED projector can become hot during operation. Do not touch the surface directly after prolonged use.
- **Light Source:** Do not stare directly into the LED light source when it is active, as this may cause eye damage.
- **Modifications:** Do not modify the product in any way. Unauthorized modifications may void the warranty and pose safety risks.

3. Package Contents

Please check that all components are present and undamaged:

- ChiliTec LED Projector with integrated PIR Motion Sensor
- Mounting bracket
- 1.5m power cable with plug
- Instruction Manual

4. Product Overview

The ChiliTec LED Projector features a durable aluminum housing, a powerful LED light source, and an adjustable PIR motion sensor for automated lighting. The integrated mounting bracket allows for flexible positioning.



Figure 4.1: Overall view of the ChiliTec LED Projector, showing the main light unit, integrated motion sensor, and attached power cable with plug.



Figure 4.2: Side view illustrating the adjustable mounting bracket and the robust aluminum housing of the projector.

5. Setup and Installation

Follow these steps for proper installation:

1. **Choose Location:** Select a suitable outdoor location for mounting. Consider the desired illumination area and the motion sensor's detection range.
2. **Disconnect Power:** Ensure the power supply to the installation area is switched off at the main circuit breaker before proceeding.
3. **Mounting:** Use appropriate screws and wall plugs (not included) to securely fasten the mounting bracket to the chosen surface. The bracket allows for angle adjustment.
4. **Electrical Connection:** Connect the 1.5m power cable to a suitable 230V outdoor power outlet. Ensure the

outlet is also weather-protected.

5. **Adjust Angle:** Once mounted, adjust the projector's angle to direct the light as needed. Tighten the bracket screws to secure the position.
6. **Restore Power:** Once installation is complete and all connections are secure, restore power at the main circuit breaker.

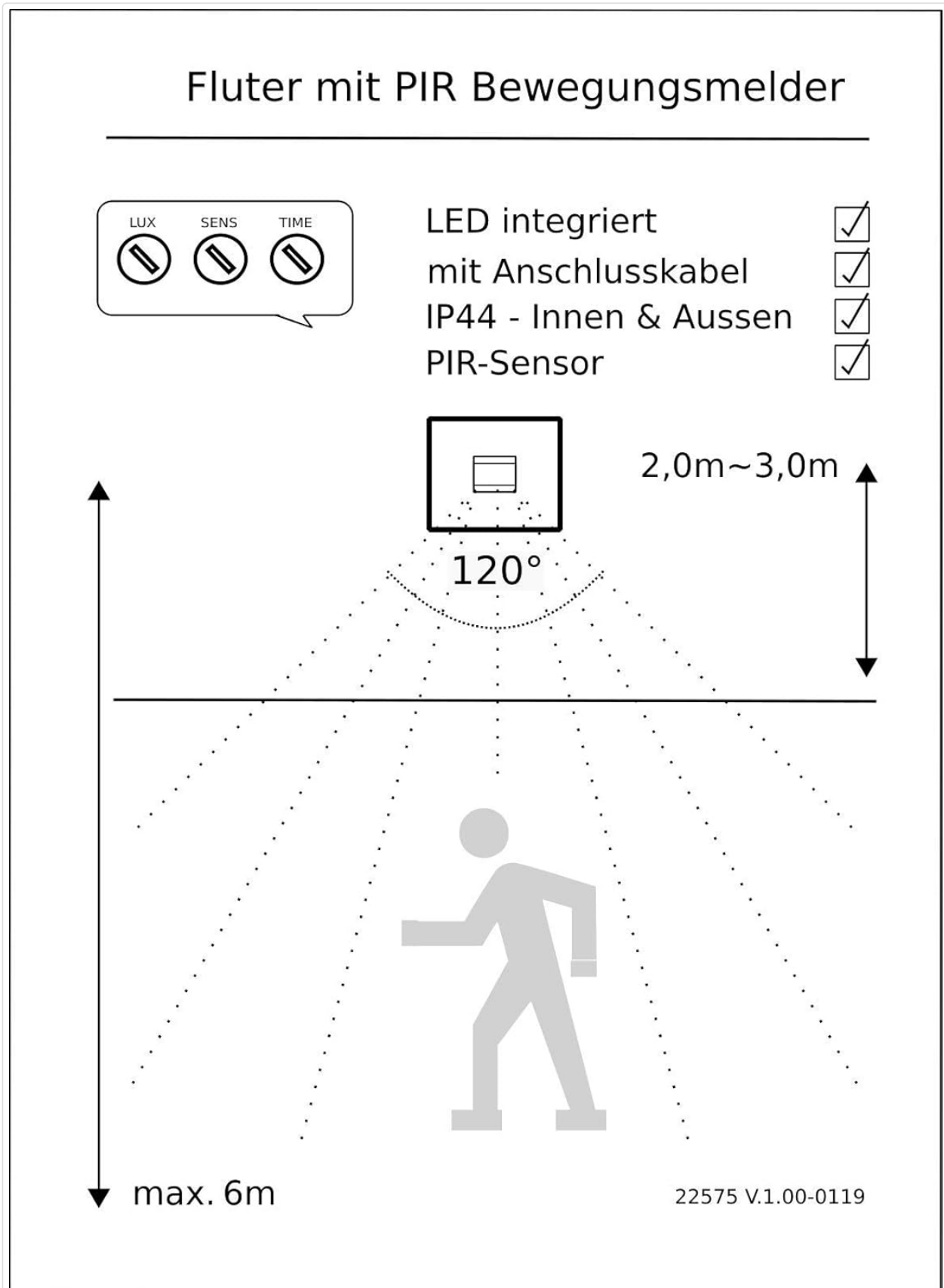


Figure 5.1: Detail of the adjustable mounting bracket, allowing for precise positioning of the projector.

6. Operating Instructions

The ChiliTec LED Projector operates automatically based on the settings of its integrated PIR motion sensor. When motion is detected within the sensor's range and the ambient light level is below the set threshold, the light will activate for the specified duration.

There is no manual on/off switch on the unit itself; operation is controlled by the motion sensor and its adjustable parameters.

7. Adjustments (Motion Sensor Settings)

The motion sensor features three adjustable knobs to customize its operation:



Figure 7.1: The three adjustment knobs on the motion sensor: SENS (Sensitivity), TIME (Duration), and LUX (Twilight Threshold).

- **SENS (Sensitivity):** Adjusts the detection range of the motion sensor. Turn clockwise for higher sensitivity (longer detection range, up to 6m) and counter-clockwise for lower sensitivity (shorter detection range, down to 1m).
- **TIME (Duration):** Sets how long the light remains on after motion is detected. Adjustable from approximately 10 seconds to 7 minutes. Turn clockwise for a longer duration and counter-clockwise for a shorter duration.
- **LUX (Twilight Threshold):** Determines the ambient light level at which the sensor becomes active. Turn towards the sun symbol for the sensor to activate only in darker conditions (e.g., night). Turn towards the moon symbol for the sensor to activate in brighter conditions (e.g., dusk or even daylight).

Motion Sensor Detection Area:

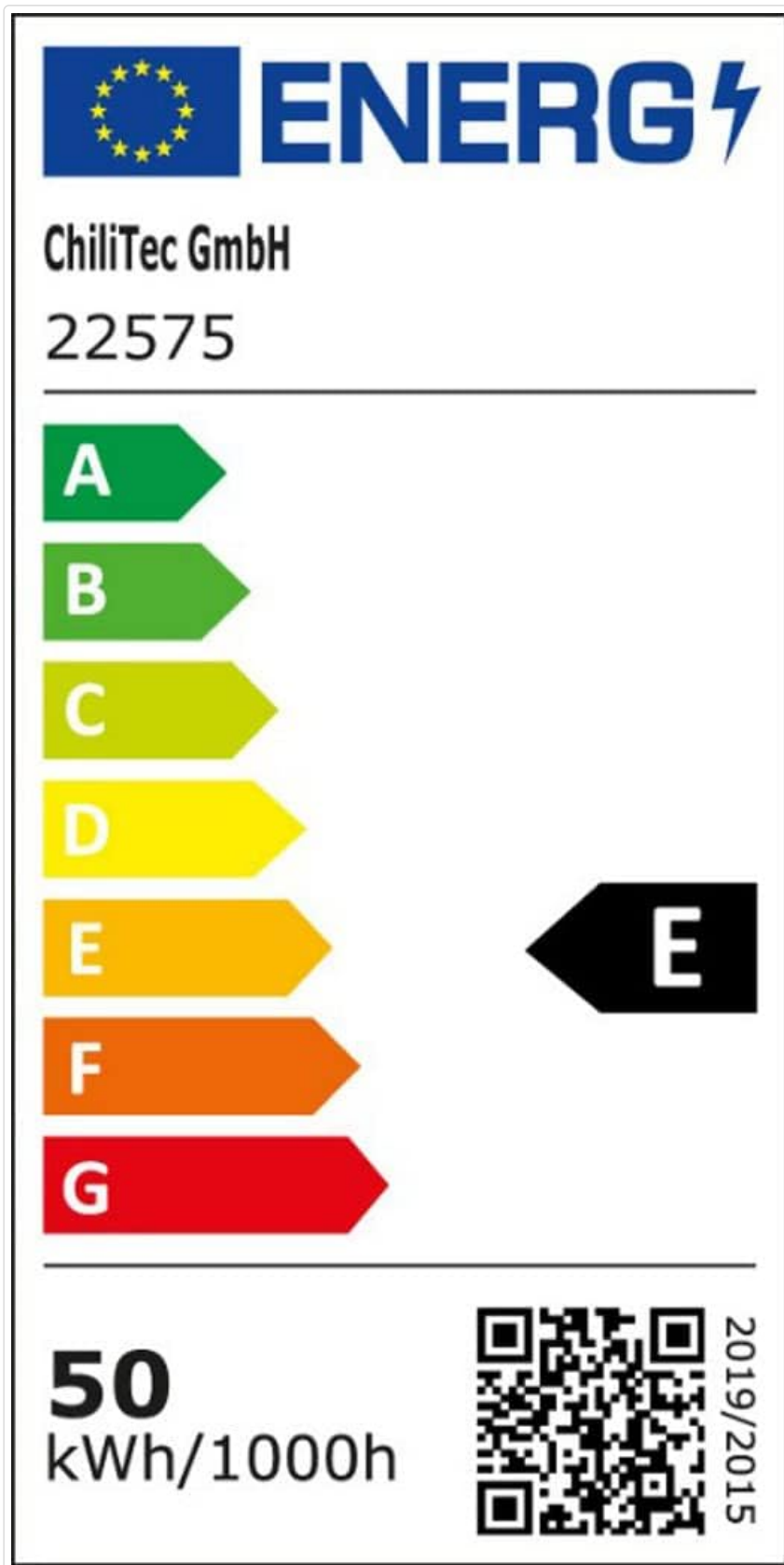


Figure 7.2: Diagram illustrating the typical detection range (1-6m) and angle (120°) of the PIR motion sensor, with recommended mounting height between 2.0m and 3.0m.

8. Maintenance

- **Cleaning:** Clean the projector and sensor lens regularly with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the power is disconnected before cleaning.
- **Inspection:** Periodically check the power cable for any damage and ensure all mounting screws are tight.
- **LEDs:** The LED light source is not user-replaceable. If the LEDs fail, the entire unit should be replaced.

9. Troubleshooting

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. LUX setting too high (daylight). Sensor not detecting motion.	Check power connection and circuit breaker. Adjust LUX knob towards the moon symbol. Check SENS setting and sensor's line of sight.
Light stays on continuously.	Constant motion in detection area. Sensor malfunction.	Adjust SENS to reduce detection range or reposition sensor. Contact customer support.
Light turns on too frequently.	SENS setting too high. Sensor detecting unwanted movement (e.g., trees, animals).	Adjust SENS knob counter-clockwise. Reposition the sensor or adjust its angle to exclude unwanted areas.

10. Specifications

- **Model:** 22575
- **Power:** 50W LED
- **Luminous Flux:** 5220 lm
- **Color Temperature:** 4000K (Neutral White)
- **Beam Angle:** 120°
- **Voltage:** 230 Volts
- **Protection Class (Complete Product):** IP44 (Splash-proof)
- **Protection Class (Projector Housing):** IP65
- **Motion Sensor Type:** PIR (Passive Infrared)
- **Motion Sensor Detection Range:** Approx. 1-6 meters
- **Motion Sensor Detection Angle:** 120°
- **Adjustable Operating Time:** Approx. 10 seconds - 7 minutes
- **Adjustable Twilight Threshold:** Yes
- **Dimensions (L x H x D, with sensor):** 240 x 260 x 70 mm
- **Material:** Aluminum housing
- **Cable Length:** 1.5 meters with plug
- **Weight:** 1 Kilogram

Energy Efficiency Information:

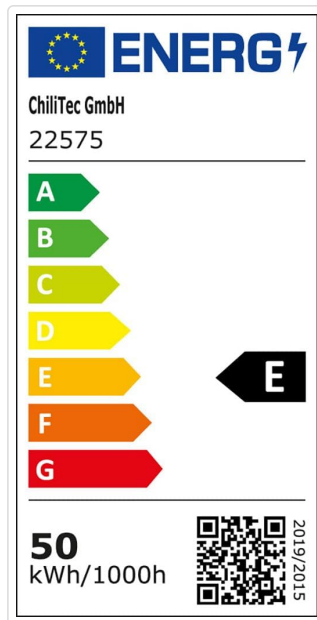


Figure 10.1: Energy efficiency label for the ChiliTec LED Projector, indicating an energy class of E.

For detailed product information and the official energy label, please visit: <https://eprel.ec.europa.eu/qr/741712>

11. Warranty and Support

ChiliTec products are manufactured to high-quality standards. In the unlikely event of a defect or if you require technical assistance, please contact your retailer or the manufacturer directly. Please retain your proof of purchase for warranty claims.

For further support, you may refer to the manufacturer's website or contact their customer service department.