Beghelli BEG19500

Beghelli Emergency LED Lamp User Manual

Model: BEG19500

1. PRODUCT OVERVIEW

The Beghelli Emergency LED Lamp (Model BEG19500) is a high-quality emergency lighting solution designed to illuminate areas during power outages. This versatile lamp can be installed on walls, ceilings, or recessed, making it suitable for various environments. It features an 11W LED light source and is equipped with a long-lasting LiFe 3.2V 0.5 Ah battery, backed by a 5-year warranty.

Its robust design ensures functionality even in industrial settings, with an IP42 protection rating and IK05 impact resistance.

Figure 1: Front view of the Beghelli Emergency LED Lamp. The lamp features a white base and a transparent polycarbonate cover, revealing the LED light source inside.

2. SAFETY INFORMATION

Always read and understand all safety instructions before installing or operating the device. Failure to do so may result in injury or damage to the product.

- Ensure the power supply is disconnected before any installation or maintenance work.
- This product operates on 230V. Consult a qualified electrician if unsure about wiring.
- Do not expose the lamp to extreme temperatures or direct water spray beyond its IP42 rating.
- Do not attempt to open or modify the battery compartment or internal components, except as explicitly instructed.
- Dispose of batteries and electronic components according to local regulations. More information can be found on the manufacturer's website or local waste management authorities.

3. INSTALLATION AND SETUP

The Beghelli Emergency LED Lamp offers flexible installation options:

1. **Preparation:**

   - Ensure the main power supply to the installation area is turned off at the circuit breaker.
   - Unpack the lamp and verify all components are present: the lamp unit and included battery.

2. **Mounting Options:**

The lamp can be mounted on a wall, ceiling, or recessed. The unit has 3 pre-breakage inputs (ø16) and can be installed on a standard 503 recessed box.

- **Wall/Ceiling Mount:** Mark the desired mounting points using the lamp's base as a template. Drill holes and secure the lamp using appropriate screws (not included).
- **Recessed Mount:** Prepare the recess opening according to the lamp's dimensions (L 280 x H 119 x P 46 mm). Ensure sufficient space for wiring.

3. **Wiring:**

   - Connect the 230V power supply wires to the lamp's terminals. Ensure correct polarity.
   - The lamp is designed for simple connection. If replacing an older unit, existing wiring may be compatible.

4. **Battery Installation:**

   The LiFe 3.2V 0.5 Ah battery is included and typically pre-installed or easily connected. Ensure it is securely connected before closing the lamp cover.

5. **Final Assembly:**

   Secure the transparent polycarbonate screen onto the lamp unit. Ensure it clicks into place for proper IP42 protection.
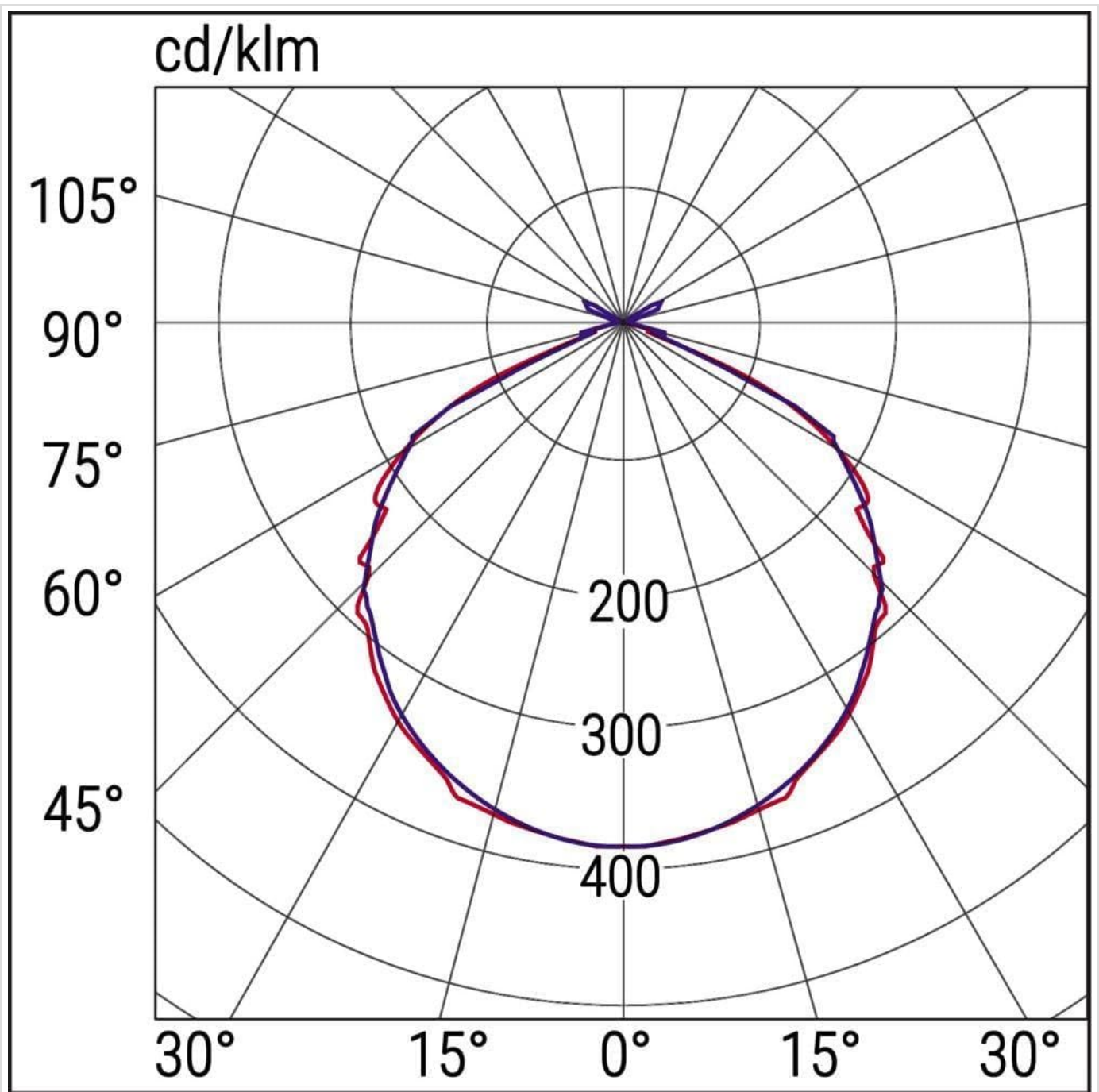
Figure 2: Photometric curve illustrating the light distribution pattern of the Beghelli Emergency LED Lamp. This diagram shows the intensity of light emitted at various angles.

4. OPERATING INSTRUCTIONS

The Beghelli Emergency LED Lamp operates automatically in emergency mode (SA/SE).

- **Normal Operation:** When main power (230V) is present, the lamp's battery charges. The LED light remains off.
- **Emergency Operation:** In the event of a power outage (blackout), the lamp automatically switches on, drawing power from its internal battery to provide emergency illumination.
- **Battery Duration:** The lamp provides 120 lumens for 1 hour or 80 lumens for 2 hours in emergency mode, depending on the configured setting. Refer to the installation instructions for details on adjusting this setting (if applicable, often involves cutting a wire or jumper as per customer reviews).
- **Testing:** Periodically test the emergency function by temporarily cutting the main power supply to the lamp's circuit. The lamp should illuminate immediately. Restore power after testing.

5. Maintenance

Regular maintenance ensures optimal performance and longevity of your emergency lamp.

- **Cleaning:** Clean the transparent polycarbonate screen periodically with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Check:** The LiFe battery has a 5-year warranty. While designed for long life, it is recommended to perform a full discharge test annually to assess battery health. Allow the lamp to operate until the battery is depleted, then restore power to allow it to fully recharge.
- **Visual Inspection:** Annually inspect the lamp for any signs of physical damage, loose connections, or discoloration.
- **Replacement:** If the lamp fails to illuminate during a power outage or if the battery duration significantly decreases, the battery may need replacement. Contact a qualified technician for battery replacement.

6. Troubleshooting

Problem	Possible Cause	Solution
Lamp does not illuminate during power outage.	No main power to the lamp. Battery not charged. Battery faulty or at end of life. Internal wiring issue.	Check circuit breaker and main power supply. Ensure lamp has been connected to main power for at least 24 hours to fully charge. Perform a battery test. If it fails, consider battery replacement. Consult a qualified electrician.
Lamp illuminates dimly or for a short duration.	Battery not fully charged. Battery capacity degraded. Incorrect operating mode setting.	Allow more time for battery to charge. Perform a battery test. If duration is consistently low, battery may need replacement. Verify the lamp's operating mode (1h/120lm or 2h/80lm) and adjust if necessary (refer to installation guide).
Lamp remains on constantly.	Main power supply issue. Lamp configured for continuous operation (if applicable).	Check main power supply to the lamp. Some models allow for continuous operation by removing a jumper; verify configuration.

7. Specifications

Feature	Detail
Brand	Beghelli
Model Number	BEG19500
Power Supply	230V
Wattage	11W
Luminous Flux	120 lumens (1 hour) / 80 lumens (2 hours)
Battery Type	LiFe 3.2V 0.5 Ah (Lithium Metal)

Feature	Detail
Battery Included	Yes
Installation Type	Wall mount, Ceiling mount, Recessed
Dimensions (L x H x P)	280 x 119 x 46 mm (11.02 x 4.69 x 1.81 inches)
Weight	400 grams (0.88 lbs)
Color	White
Material	Polycarbonate (Screen: Transparent Polycarbonate)
Protection Degree	IP42
Impact Resistance	IK05
Operating Mode	SA/SE (Emergency)

8. WARRANTY AND SUPPORT

The Beghelli Emergency LED Lamp (Model BEG19500) comes with a **5-year warranty** on its LiFe 3.2V 0.5 Ah battery, ensuring long-term reliability.

For technical support, service, or warranty claims, please contact Beghelli customer service through their official website or authorized distributors. Keep your purchase receipt as proof of purchase.

For information on recycling and disposal of the product, especially the battery and LED components, please refer to local regulations and guidelines for electronic waste. More information can be found on the manufacturer's website or local waste management authorities.