

SQXBK 44488-SFL-W10

SQXBK E10 LED Bulb Instruction Manual

Brand: SQXBK | Model: 44488-SFL-W10

1. PRODUCT OVERVIEW

The SQXBK E10 LED bulbs are designed for various low-voltage lighting applications. This package includes 10 high-efficiency LED bulbs, each operating at 6V and consuming only 0.2W of power, emitting a cool white light (6000K).

These bulbs are ideal for classic flashlights, Christmas trees, equipment indicator lights, physical testing setups, cabin lights, instrument lights, aircraft instrument warning lights, microscope lights, and amusement equipment, among other uses.



Figure 1: A pack of 10 SQXBK E10 LED bulbs, showcasing their compact design and screw base.

2. SAFETY INFORMATION

- Always ensure the power supply is disconnected before installing or replacing bulbs to prevent electrical shock.
- These bulbs are designed for **6V DC** applications. Using them with higher voltage or AC power may damage the bulbs and pose a safety risk.
- Observe correct polarity during installation. The bottom contact of the E10 bulb is positive (+), and the side contact is negative (-). Incorrect connection will prevent the bulb from lighting up.
- Do not attempt to disassemble or modify the bulbs.
- Keep out of reach of children.

3. INSTALLATION

The SQXBK E10 LED bulbs feature a standard E10 screw base, making them compatible with fixtures designed for this base type.

1. Ensure the device or circuit is powered off and disconnected from its power source.
2. Carefully screw the E10 LED bulb into the compatible E10 socket. Ensure it is securely seated but do not overtighten.
3. **Important Polarity Note:** These are DC bulbs. The bottom contact of the bulb is the positive (+) terminal, and the threaded side is the negative (-) terminal. Ensure your fixture provides power with this

polarity. If the bulb does not light, verify the polarity of your power source or try reversing the connection if possible (though E10 bases are typically fixed polarity).



Figure 2: Front and side views of a single E10 LED bulb, showing the screw base and LED element.

4. OPERATION

Once properly installed in a compatible 6V DC E10 socket, the bulb will illuminate when power is supplied to the circuit. These bulbs provide instant full brightness without warm-up time.

5. MAINTENANCE

- These LED bulbs are designed for a long lifespan (over 50,000 hours) and require minimal maintenance.
- To clean the bulb, ensure the power is off and the bulb is cool. Gently wipe with a soft, dry cloth. Do not use liquid cleaners.
- Regularly check the socket and wiring for any signs of wear or damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Bulb does not light up.	<ul style="list-style-type: none"> ◦ Incorrect polarity. ◦ No power to the socket. ◦ Loose connection. ◦ Bulb or socket is faulty. ◦ Voltage mismatch. 	<ul style="list-style-type: none"> ◦ Verify the bottom contact is positive (+) and the side is negative (-). ◦ Check the power supply and circuit. ◦ Ensure the bulb is screwed in tightly. ◦ Test with a known working bulb or socket. ◦ Confirm the power supply is 6V DC.
Bulb flickers.	<ul style="list-style-type: none"> ◦ Unstable power supply. ◦ Loose connection. 	<ul style="list-style-type: none"> ◦ Check the stability of your 6V DC power source. ◦ Ensure the bulb is securely tightened in the socket.

7. SPECIFICATIONS

Attribute	Value
Brand	SQXBK
Model Number	44488-SFL-W10
Rated Voltage	6V DC
Power Consumption	0.2W
Luminous Flux	25-30 lm (approx. 4000-6000 MCD)
Equivalent Incandescent Bulb	2-5W
LED Type	Concave head 8.5
Color Temperature	Cool White (6000K)
Beam Angle	120 degrees
Bulb Base Type	E10 Screw Base
Overall Length	22 mm
Lamp Holder Diameter	10 mm
Lamp Holder Length	15 mm
Lifespan	> 50,000 hours
Package Quantity	10 bulbs

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your SQXBK E10 LED bulbs, please refer to the

retailer's return policy or contact SQXBK customer service directly through their official channels. Please have your model number (44488-SFL-W10) and purchase details ready when seeking support.

For more information, you may visit the [SQXBK brand page on Amazon](#).