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Satco S5822

Satco S5822 125-Watt Metal Halide Lamp User Manual

Model: S5822

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Satco S5822 125-Watt Clear Pulse Start Universal Mount Medium Base ED28 Metal Halide Lamp. Please read these instructions carefully before installation and operation, and retain them for future reference.

The Satco S5822 is a High-Intensity Discharge (HID) lamp designed for various lighting applications. It operates by creating an electrical arc within a sealed tube containing gases and metal compounds, which then vaporize to produce light. This lamp features a pulse start mechanism and requires a brief warm-up period to reach full brightness.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage:

- **WARNING:** Risk of electric shock. Disconnect power before installation, removal, or servicing.
- Ensure the lamp is compatible with the fixture and ballast. Incorrect ballast can cause lamp failure or fire.
- Do not operate the lamp if the outer glass envelope is broken, scratched, or cracked.
- Avoid touching the lamp with bare hands. Oils from skin can create hot spots and reduce lamp life. Use a clean cloth or gloves.
- Allow the lamp to cool completely before handling. Hot lamps can cause severe burns.
- Dispose of lamps according to local regulations. Metal halide lamps contain mercury.
- This lamp is designed for use in enclosed fixtures only, unless specifically rated for open fixtures.
- Do not exceed the maximum wattage rating of the fixture.

3. PRODUCT OVERVIEW

The Satco S5822 is a 125-Watt Metal Halide lamp with a clear ED28 bulb shape and a medium (E26) base. Key features include:

- **Wattage:** 125 Watts
- **Base Type:** Medium (E26)
- **Bulb Shape:** ED28

- **Color Temperature:** 4200 Kelvin (Cool White)
- **Start Type:** Pulse Start
- **Average Rated Hours:** 15,000 hours
- **Dimensions:** Approximately 5.31 inches (L) x 2.25 inches (W) x 2.25 inches (H)



Figure 1: Satco S5822 125-Watt Metal Halide Lamp. This image shows the clear ED28 bulb with its internal arc tube and medium screw base.

4. SETUP AND INSTALLATION

- Power Disconnection:** Before attempting any installation, ensure the power supply to the fixture is completely turned off at the circuit breaker or fuse box.
- Fixture Compatibility:** Verify that your lighting fixture is designed for 125-Watt metal halide lamps and has a compatible medium (E26) base socket. Ensure the ballast is appropriate for a 125-Watt pulse start metal halide lamp.
- Unpack the Lamp:** Carefully remove the lamp from its packaging. Avoid touching the glass with bare hands.
- Installation:** Gently screw the lamp into the fixture's socket until it is finger-tight. Do not overtighten.
- Power Connection:** Restore power to the fixture.
- Initial Start-up:** Metal halide lamps require a warm-up period. The lamp will flicker and gradually increase in brightness over 5 to 10 minutes until it reaches full operating temperature and stable light output.

5. OPERATING INSTRUCTIONS

Once installed and power is supplied, the Satco S5822 lamp will initiate its pulse start sequence. The lamp will exhibit the following operational characteristics:

- Warm-up Time:** The lamp will take approximately 5 to 10 minutes to reach full brightness and stable color. This is a normal characteristic of metal halide lamps.
- Restrike Time:** If the lamp is turned off, it cannot be immediately restarted. It requires a cool-down period (typically 5-15 minutes) before it can be reignited. Attempting to restart a hot lamp will result in it not lighting.
- Color Shift:** Over its lifespan, metal halide lamps may experience a slight shift in color temperature. This is normal.

6. MAINTENANCE

Proper maintenance ensures optimal performance and longevity of your lamp:

- Cleaning:** Periodically, with the power off and the lamp cool, gently wipe the outer glass envelope with a clean, dry, lint-free cloth to remove dust and debris. Do not use liquid cleaners.
- Replacement:** Replace the lamp when it reaches the end of its rated life, or if it exhibits signs of failure such as cycling on and off, significantly reduced light output, or a noticeable change in color. Always replace with a lamp of the same type and wattage.
- Fixture Inspection:** Regularly inspect the fixture for any signs of wear, corrosion, or damage to wiring.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lamp does not light.	No power to fixture, incorrect lamp/ballast, faulty lamp, hot lamp (restrike).	Check power supply. Verify lamp and ballast compatibility. Allow lamp to cool if recently turned off. Replace lamp if faulty.
Lamp flickers or cycles on/off.	Lamp nearing end of life, incorrect ballast, voltage fluctuations.	Replace lamp. Verify ballast compatibility. Consult an electrician for voltage issues.

Problem	Possible Cause	Solution
Reduced light output or color shift.	Normal aging of lamp, dirty lamp.	Clean lamp. Replace lamp if light output is significantly diminished or color shift is unacceptable.

If troubleshooting steps do not resolve the issue, contact a qualified electrician or Satco customer support.

8. SPECIFICATIONS

Brand	Satco
Model Number	S5822
Wattage	125 Watts
Bulb Shape Size	ED28
Bulb Base	E26 (Medium)
Light Type	Metal Halide (Pulse Start)
Color Temperature	4200 Kelvin (Cool White)
Average Rated Hours	15,000 hours
Color Rendering Index (CRI)	65
Product Dimensions	5.31 x 2.25 x 2.25 inches
Item Weight	8 ounces
Material	Glass
UPC	045923058226

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please contact Satco Products directly. Refer to the official Satco website or product packaging for the most current contact details.

Manufacturer: Satco Products

Website: www.satco.com (Example link, actual link may vary)