

Schneider Electric DL1 BDG1

Steady LED Lamp User Manual

Model: DL1 BDG1

Brand: Schneider Electric

INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the Schneider Electric Steady LED Lamp, Model DL1 BDG1. This white LED lamp is designed for industrial signaling applications, specifically for use with Harmony(r) XVP systems. It features a robust design with NEMA 12 and IP 65 ratings, ensuring protection against dust, dirt, and water jets, and operates on a 120VAC power supply.

SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the lamp. Failure to follow these instructions may result in injury or damage to the product.

- **Disconnect Power:** Always ensure the power supply to the installation area is completely disconnected and locked out before performing any installation, maintenance, or troubleshooting.
- **Qualified Personnel:** Installation and maintenance should only be performed by qualified and authorized personnel familiar with electrical systems and safety procedures.
- **Voltage Rating:** Do not exceed the specified voltage rating of 120VAC. Using an incorrect voltage can damage the lamp and pose a safety hazard.
- **Environmental Ratings:** The lamp is rated NEMA 12 and IP 65 for protection against dust and water jets. Ensure the installation environment is within these specifications.
- **Proper Grounding:** Ensure all electrical connections are properly grounded according to local and national electrical codes.
- **Physical Handling:** Handle the lamp carefully to avoid dropping or damaging it. Do not apply excessive force during installation.

PRODUCT OVERVIEW

The Schneider Electric Steady LED Lamp (DL1 BDG1) is a compact and durable signaling component designed for clear visual indication in industrial environments.



Figure 1: Steady LED Lamp (DL1 BDG1) with its original packaging. The lamp is a white LED cluster designed for 120V operation.

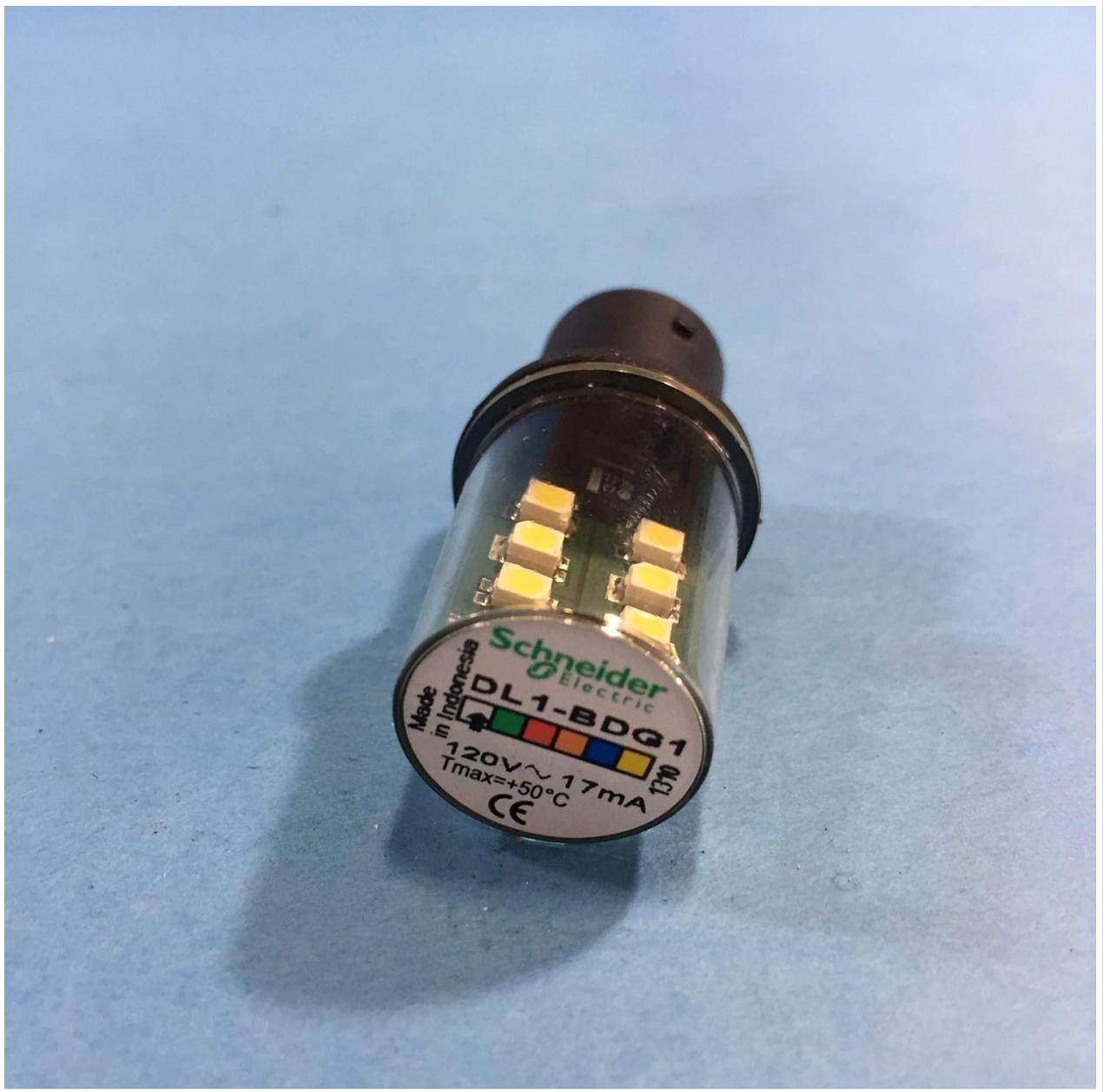


Figure 2: Detailed view of the lamp's base, indicating "Made in Indonesia", "120V~", "17mA", "Tmax=+50°C", and "CE" marking, along with the model number DL1-BDG1.



Figure 3: Top view of the LED lamp, showing the two electrical contact points for power connection.

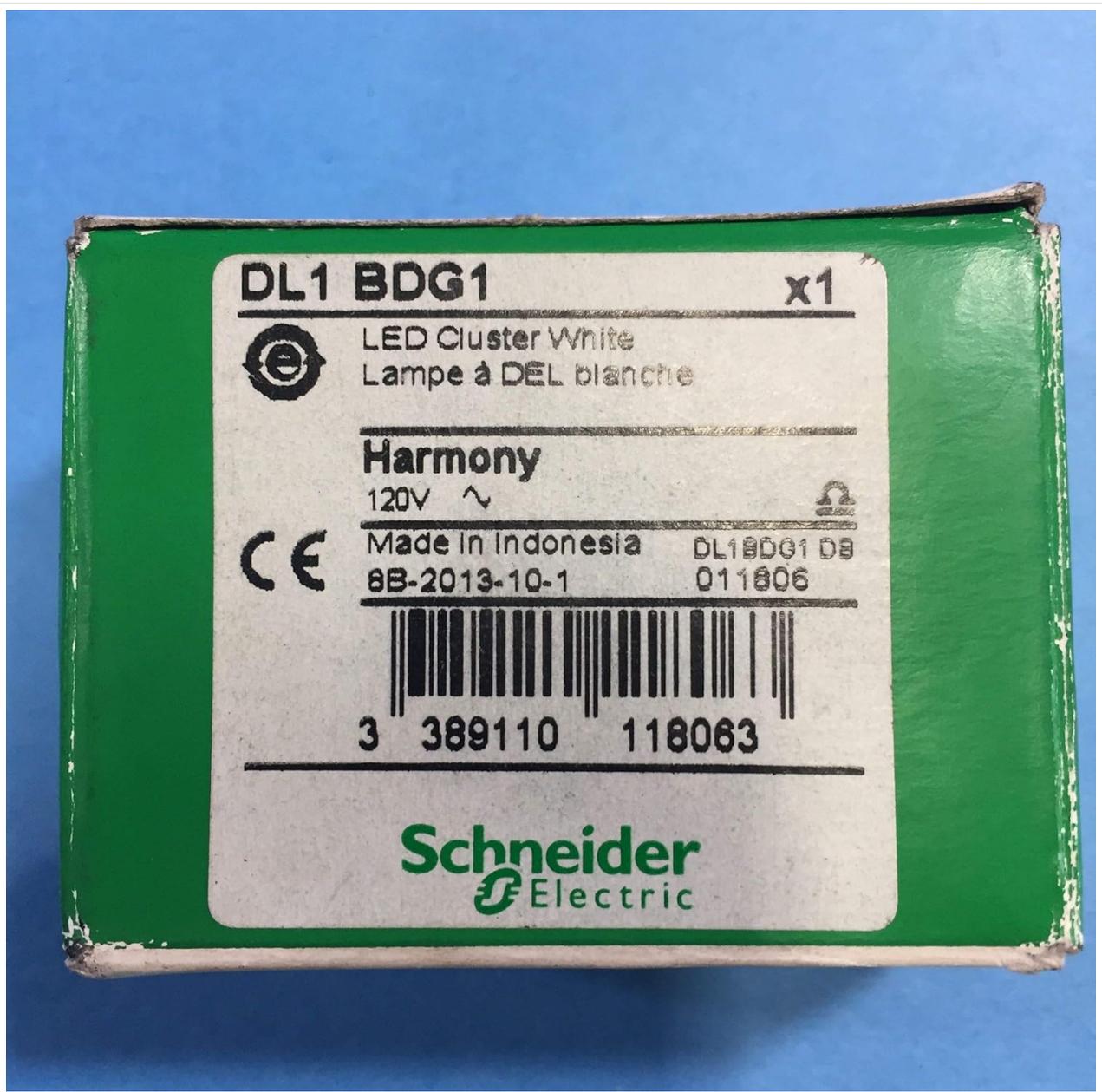


Figure 4: The product packaging box for the DL1 BDG1 LED Cluster White lamp, displaying brand, model, voltage, and manufacturing details.

SETUP AND INSTALLATION

Follow these steps to properly install the Steady LED Lamp into your Harmony(r) XVP system:

- 1. Power Disconnection:** Before starting any installation, ensure the power supply to the Harmony(r) XVP system or the specific lamp circuit is completely disconnected and locked out. Verify with a voltage tester.
- 2. Lamp Holder Preparation:** Identify the correct lamp holder within your Harmony(r) XVP control panel or device. Ensure the holder is clean and free from any dust, debris, or moisture.
- 3. Lamp Insertion:** Carefully align the base of the DL1 BDG1 LED lamp with the corresponding slots or contacts in the lamp holder. Gently push the lamp into the holder until it is fully seated and secure. Do not use excessive force, as this may damage the lamp or the holder.
- 4. Visual Inspection:** After insertion, visually inspect the lamp to confirm it is correctly positioned and that its electrical contacts are making firm connection with the holder.

5. **Power Reconnection:** Once the lamp is securely installed and all connections are verified, restore power to the system. The lamp should illuminate if the circuit is active.

OPERATING INSTRUCTIONS

The Steady LED Lamp DL1 BDG1 is designed for straightforward operation within a compatible Harmony(r) XVP system.

- **Function:** The lamp provides a continuous, steady white light signal when electrical power is supplied to its circuit.
- **Activation:** The lamp will automatically illuminate when the associated control circuit within the Harmony(r) XVP system is activated and provides 120VAC power to the lamp holder.
- **Deactivation:** The lamp will turn off when power is removed from its circuit, typically by deactivating the control circuit or disconnecting the power supply to the system.
- **No User Controls:** This lamp does not feature any user-adjustable controls or settings. Its operation is entirely dependent on the external control circuit.

MAINTENANCE

The Schneider Electric Steady LED Lamp DL1 BDG1 is designed for long-term, low-maintenance operation. Regular inspection and simple cleaning are generally sufficient.

- **Cleaning:** Periodically clean the exterior surface of the lamp to ensure optimal light output and visibility. Use a soft, dry, lint-free cloth. For stubborn dirt, a slightly damp cloth with mild soap may be used, followed by drying. *Always ensure power is disconnected before cleaning.* Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the lamp's housing.
- **Inspection:** Regularly inspect the lamp for any signs of physical damage, such as cracks in the housing, loose connections, or discoloration. Check for any accumulation of dust or debris that might impede light emission.
- **Replacement:** If the lamp fails to illuminate, flickers excessively, or its brightness significantly diminishes over time, it may need replacement. Refer to the "Setup and Installation" section for proper replacement procedures. Always replace with an identical Schneider Electric DL1 BDG1 LED lamp to ensure compatibility and performance.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Steady LED Lamp.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Lamp does not illuminate	No power to the circuit	Check the power supply to the Harmony(r) XVP system and the specific circuit breaker. Ensure power is ON.
Lamp does not illuminate	Lamp not properly seated in holder	Disconnect power, then carefully re-seat the lamp firmly into its holder. Ensure contacts are engaged.
Lamp does not illuminate	Faulty lamp	If power is confirmed and the lamp is seated correctly, the lamp itself may be faulty. Replace with a new DL1 BDG1 lamp.
Lamp flickers or is dim	Loose connection	Disconnect power, then check and secure all electrical connections to the lamp holder.
Lamp flickers or is dim	Unstable power supply	Consult a qualified electrician to check the stability and quality of the 120VAC power supply.

SPECIFICATIONS

- **Model:** DL1 BDG1
- **Type:** Steady LED Lamp
- **Color:** White
- **Voltage:** 120VAC
- **Current Consumption:** Approximately 17mA
- **Environmental Rating:** NEMA 12, IP 65
- **Maximum Operating Temperature:** +50°C
- **Compatibility:** Designed for Harmony(r) XVP systems
- **Manufacturer:** Schneider Electric
- **Country of Origin:** Indonesia
- **ASIN:** B0078RP4W2
- **Date First Available:** February 13, 2012

WARRANTY AND SUPPORT

For detailed warranty information, technical support, or service inquiries regarding your Schneider Electric Steady LED Lamp DL1 BDG1, please refer to the documentation provided with your purchase or visit the official Schneider Electric website.

Schneider Electric Official Website: www.se.com

Customer Support: Contact information for customer support can typically be found on the official website under a "Support" or "Contact Us" section. Please have your product model (DL1 BDG1) and any relevant purchase details ready when contacting support.

