

Tibelec 418430

Tibelec 418430 DCL Socket with Plug Instruction Manual

Model: 418430

1. INTRODUCTION

This instruction manual provides essential information for the safe and correct installation, operation, and maintenance of your Tibelec 418430 DCL Socket with Plug. This product is designed for connecting hanging light fixtures to the ceiling, adhering to the NF C 15100 electrical standard. Please read this manual thoroughly before installation and retain it for future reference.

2. SAFETY INFORMATION

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

- **Electrical Hazard:** Always disconnect the main power supply before attempting any installation, maintenance, or repair work. Failure to do so can result in electric shock or death.
- **Qualified Personnel:** If you are unsure about any part of the installation process, consult a qualified electrician.
- **Local Codes:** Ensure all installation procedures comply with local electrical codes and regulations.
- **Weight Limit:** The DCL socket is designed to support hanging light fixtures up to a maximum weight of 25 kg (55.12 lbs). Do not exceed this weight limit.
- **Intended Use:** Use this product only for its intended purpose as a DCL socket for light fixtures.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package:

- 1x Tibelec DCL Box
- 1x Bolt (for suspension)
- 1x Plug 2-Pole + Earth (6A 250V)
- 1x Instruction Manual (this document)



Image 1: Tibelec 418430 DCL Socket with Plug in its retail packaging, showing the product and its specifications on the label.

4. SETUP AND INSTALLATION

Follow these steps for the correct installation of the DCL socket:

1. **Power Disconnection:** Before starting, ensure the main power supply to the installation area is completely disconnected at the circuit breaker.
2. **Prepare Ceiling Opening:** The DCL electrical box has a diameter of 65 mm. Ensure the ceiling opening is appropriately sized for a secure fit.
3. **Mount the DCL Box:** Securely mount the DCL box into the ceiling opening. The design allows for quick and easy assembly.
4. **Electrical Connections:** Connect the electrical wires from the ceiling to the DCL socket terminals according to the NF C 15100 electrical standard. Ensure proper polarity (Live, Neutral, Earth).
5. **Install Suspension Hook:** If using a hanging light fixture, install the provided bolt (piton suspension) into the DCL box. This hook is designed to support the light fixture.
6. **Prepare Light Fixture Plug:** Connect the light fixture's wires to the included 2-Pole Earth 6A 250V plug. Ensure all connections are secure and insulated.
7. **Connect Light Fixture:** Once the DCL box is installed and the light fixture's plug is wired, insert the plug into the DCL socket.
8. **Secure Light Fixture:** If applicable, hang the light fixture from the suspension hook, ensuring it is securely seated and does not exceed the 25 kg (55.12 lbs) weight limit.
9. **Restore Power:** After verifying all connections are correct and secure, restore power at the circuit

breaker.



Image 2: The Tibelec 418430 DCL Socket with its integrated suspension hook and the separate 2-pole with earth plug, ready for installation.

5. OPERATING INSTRUCTIONS

Once the Tibelec 418430 DCL Socket with Plug is correctly installed and connected to a light fixture:

- Ensure the light fixture's plug is fully inserted into the DCL socket.
- Operate the light fixture using its integrated switch or the wall switch connected to the circuit.
- To disconnect the light fixture, ensure the power is off, then carefully remove the plug from the DCL socket.

6. MAINTENANCE

The Tibelec 418430 DCL Socket with Plug requires minimal maintenance:

- **Cleaning:** Periodically wipe the visible parts of the socket with a dry, soft cloth. Do not use liquid cleaners or abrasive materials.
- **Inspection:** Regularly inspect the socket and plug for any signs of damage, wear, or loose connections. If any damage is observed, disconnect power and replace the affected component.
- **No User Serviceable Parts:** This product contains no user-serviceable parts. Do not attempt to disassemble or repair the unit yourself.

7. TROUBLESHOOTING

If you encounter issues with your DCL socket, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light fixture does not turn on.	No power to the circuit. Faulty light bulb. Loose connection at the DCL socket or light fixture plug.	Check the circuit breaker and ensure power is restored. Replace the light bulb. Ensure the plug is fully inserted and all wiring connections are secure (with power disconnected).
Light flickers.	Loose connection. Incompatible light fixture.	Disconnect power and check all wiring connections for tightness. Ensure the light fixture is compatible with the DCL system.
Socket feels warm.	Overload or faulty wiring.	Immediately disconnect power. Ensure the light fixture's wattage does not exceed the socket's rating. Consult a qualified electrician to inspect the wiring.

If the problem persists after attempting these solutions, disconnect power and contact a qualified electrician for assistance.

8. SPECIFICATIONS



Brand	Tibelec
Model Number	418430
Part Number	418430
DCL Box Diameter	65 mm
Plug Type	2-Pole Earth (2P+T)
Plug Rating	6A 250V
Electrical Standard	NF C 15100
Maximum Load Capacity	25 kg (55.12 lbs)
Product Dimensions	2.56 x 2.56 x 2.17 inches
Item Weight	0.705 ounces
Color	White
Certification	CE

9. WARRANTY AND SUPPORT

Specific warranty information for the Tibelec 418430 DCL Socket with Plug is not provided in this manual. Please refer to the retailer or manufacturer's website for details regarding warranty coverage.

For technical support or further assistance, please contact Tibelec customer service through their official website or the retailer where the product was purchased.

Related Documents - 418430

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