

DUSKTEC DT3C001

DUSKTEC LED Recessed Spotlight User Manual

Model: DT3C001

INTRODUCTION

Thank you for choosing the DUSKTEC LED Recessed Spotlight. This manual provides essential information for the safe installation, operation, and maintenance of your new lighting fixtures. Please read these instructions carefully before installation and retain them for future reference.

SAFETY INFORMATION

- Always disconnect the main power supply before attempting any installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician if you are not confident in your abilities.
- Ensure the voltage supply (220-240V AC) matches the product's requirements.
- Do not modify the product in any way. Unauthorized modifications may void the warranty and pose safety risks.
- The IP44 rating indicates protection against splashing water, making these spotlights suitable for damp locations like bathrooms and kitchens. However, they are not designed for submersion in water.
- Avoid direct eye exposure to the light source when illuminated.
- Keep packaging materials out of reach of children.

PACKAGE CONTENTS

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

- 10 x DUSKTEC LED Recessed Spotlights
- 10 x Terminal Blocks
- 1 x User Manual

SPECIFICATIONS

Model	DT3C001
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Power	7W
Voltage	220-240V AC
Luminous Flux	660 Lumens
Color Temperature	2700K Warm White
Beam Angle	120°
Color Rendering Index (CRI)	≥90
Installation Depth	25 mm
Hole Diameter	75-90 mm
Outer Diameter	98 mm
Protection Rating	IP44
Lifespan	Up to 50,000 hours
Material	Flame retardant ABS plastic
Dimmability	No
Energy Efficiency Class	E (according to new ERP standards)

SETUP AND INSTALLATION

The DUSKTEC LED Recessed Spotlights are designed for direct connection to a 220-240V AC network, requiring no external transformer. The cable length is 15 cm, and terminal blocks are included for secure wiring.



This image displays the DUSKTEC LED Recessed Spotlight, highlighting its ultra-flat design and white finish. The spotlight features a frosted cover for soft light distribution.

Installation Steps:

1. **Prepare the Installation Area:** Ensure the main power supply to the installation area is turned off at the circuit breaker.
2. **Cut the Mounting Hole:** Using an appropriate tool, cut a circular hole in the ceiling with a diameter between 75 mm and 90 mm. The required installation depth is only 25 mm.
3. **Electrical Connection:** Connect the spotlight's wires to your main electrical wiring using the provided terminal blocks. Ensure correct polarity (Live to Live, Neutral to Neutral). If unsure, consult a qualified electrician.
4. **Insert the Spotlight:** Gently push the two spring clips on the sides of the spotlight upwards. Carefully insert the spotlight into the prepared ceiling hole. The springs will hold the spotlight securely in place once released.
5. **Secure and Test:** Ensure the spotlight is flush with the ceiling. Restore power to the circuit and test the functionality of the spotlight.

OPERATING INSTRUCTIONS

The DUSKTEC LED Recessed Spotlight is designed for straightforward operation. Once properly installed and connected to the power supply, the spotlight will illuminate when the connected wall switch or circuit breaker is turned on.

- **Power On/Off:** Use the standard wall switch connected to the spotlight to turn it on or off.
- **Non-Dimmable:** These spotlights are not dimmable. Do not connect them to dimmer switches, as this may cause damage or malfunction.
- **Light Output:** The spotlight provides a consistent 660 lumens of 2700K warm white light with a 120° beam angle, suitable for general ambient lighting.

MAINTENANCE

The DUSKTEC LED Recessed Spotlights require minimal maintenance due to their long lifespan and durable construction.

- **Cleaning:** Before cleaning, always disconnect the power supply. Use a soft, dry, or slightly damp cloth to wipe the surface of the spotlight. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or internal components.
- **No User-Serviceable Parts:** There are no user-serviceable parts inside the spotlight. Do not attempt to open or repair the unit yourself.
- **Lifespan:** With a lifespan of up to 50,000 hours, regular bulb replacement is not necessary.

TROUBLESHOOTING

If you encounter issues with your DUSKTEC LED Recessed Spotlight, refer to the following common problems and solutions:

- **Light Does Not Turn On:**
 - Check if the main power supply to the circuit is on.
 - Verify that the wall switch connected to the spotlight is in the 'ON' position.
 - Inspect the wiring connections at the terminal blocks to ensure they are secure and correctly connected.
 - Confirm that the voltage supply is within the specified range (220-240V AC).
- **Light Flickers or Is Unstable:**
 - Ensure all electrical connections are tight and secure.
 - Verify that the power supply is stable and not experiencing fluctuations.
 - Confirm that the spotlight is not connected to a dimmer switch, as these units are non-dimmable.
- **Light Output Is Too Dim:**
 - Ensure the spotlight is not connected to a dimmer switch.
 - Verify that the product specifications (7W, 660 Lumens) meet your lighting requirements.

If these steps do not resolve the issue, please contact DUSKTEC customer support for further assistance.

WARRANTY AND SUPPORT

DUSKTEC stands behind the quality of its products. We offer a **3-year full service warranty** for the LED Recessed Spotlight. This warranty covers any defects in material or workmanship that may occur within

three years from the date of purchase. If your LED recessed luminaires cease to function or exhibit defects within this period, please contact us for support.

For warranty claims, technical assistance, or any other inquiries, please visit the official DUSKTEC store or contact our customer service department:

Brand: DUSKTEC

Online Store: [Visit the DUSKTEC Store on Amazon](#)