DUSKTEC TD3C002

DUSKTEC 6-Inch RGBCW LED Recessed Lighting with Remote Control

Model: TD3C002

INTRODUCTION

Thank you for choosing DUSKTEC RGBCW LED Recessed Lighting. This product is designed to provide versatile and efficient lighting for your indoor spaces, featuring color-changing capabilities, adjustable brightness, and convenient remote control operation. Please read this manual thoroughly before installation and use to ensure proper function and safety.

Image: DUSKTEC 6-inch RGBCW LED Recessed Light, showing the light fixture, remote control, and junction box.

IMPORTANT SAFETY INFORMATION

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation or servicing.
- This product is for indoor use only.
- Installation should be performed by a qualified electrician.
- Do not use with traditional wall dimmer switches. Use only the provided remote control for dimming.
- Ensure all electrical connections are secure and comply with local electrical codes.
- Do not modify the fixture or its components.

WHAT'S IN THE BOX

- Recessed Lighting fixture (1 unit)
- Remote Control (1 unit)

- Instruction Manual (1 unit)

PRODUCT FEATURES

- **RGBCW Color Changing:** Offers 9 RGB colors and 3 dynamic modes (Flash, Smooth, Romance).

- **Adjustable Color Temperature (CCT):** Ranges from 2700K (warm white) to 6000K (cool daylight).

- **Dimmable Brightness:** 5 levels (0.5%, 10%, 30%, 50%, 100%) adjustable via remote control. Includes a one-touch nightlight function (0.5%).

- **Flicker-Free Lighting:** Provides soft, stable illumination with a high Color Rendering Index (CRI >90) for accurate color display.

- **Remote Control Operation:** Easy to use, no internet or complex app required.

- **Delayed Light Off Function:** Set a delay of 1 to 12 minutes before turning off the light.

- **Sync & Memory Function:** Synchronize multiple lights with one remote. Retains the last setting when turned off via remote (not applicable if turned off by wall switch).

- **Canless Design:** Suitable for narrow ceilings and tight spaces, simplifying installation.

Image: Illustration of the RGBCW color changing and CCT features, showing various light colors in a room setting.

High CRI

Shows True Colors

Ours

High CRI>90

Others

Low CRI

Image: Visual comparison demonstrating the high CRI (>90) of DUSKTEC lights, making colors appear more vivid.

Image: An elderly woman and a child demonstrating the ease of use of the remote control, highlighting that no network is required.

SETUP AND INSTALLATION

Before You Begin: Ensure power is disconnected at the circuit breaker. Consult a qualified electrician if you are unsure about any steps.

1. **Prepare the Ceiling:** Cut a hole in the ceiling according to the recommended cutout size (5.6" to 6.7"). Ensure there

is sufficient depth (minimum 1.65 inches) for the fixture.

2. **Connect Wiring:** Open the junction box cover. Connect the household electrical wires to the corresponding wires in the junction box (Live to Live, Neutral to Neutral, Ground to Ground). Secure connections with wire nuts.

3. **Secure Junction Box:** Place the junction box inside the ceiling opening.

4. **Install Light Fixture:** Connect the light fixture cable to the junction box. Push the spring clips on the side of the light fixture upwards and insert the fixture into the ceiling hole. Release the clips to secure the light in place.

5. **Restore Power:** Once the fixture is securely installed, restore power at the circuit breaker.

Your browser does not support the video tag.

Video: This video demonstrates the installation process of the DUSKTEC 6-inch recessed lighting with junction box, showing how to connect wires and secure the fixture in the ceiling.
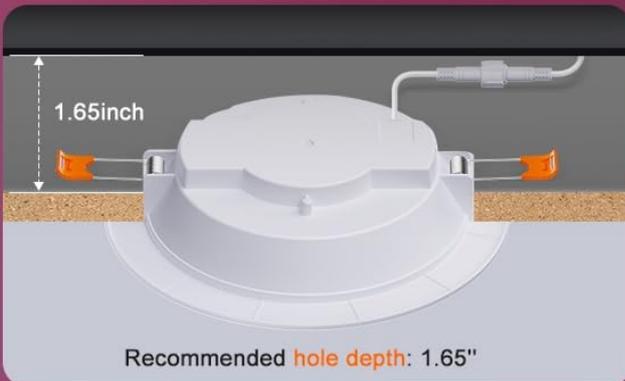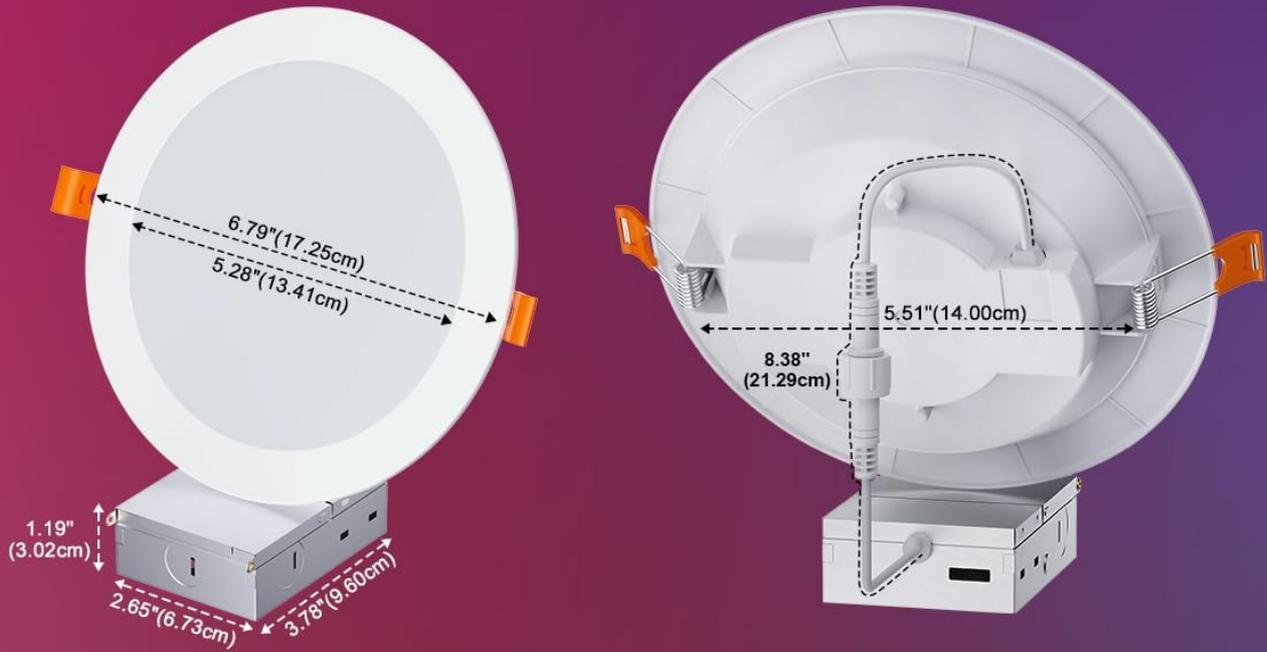
Dimensions

6.79"(17.25cm)
5.28"(13.41cm)

1.19"
(3.02cm)

2.65"(6.73cm)

3.78"(9.60cm)

5.51"(14.00cm)

8.38"
(21.29cm)

1.3"
(3.30cm)

Recommended hole cutout sizes: 5.6"~6.7"

1.65inch

Recommended hole depth: 1.65"

Canless required

Image: Detailed diagram illustrating the product dimensions and recommended ceiling hole cutout sizes for installation.

OPERATING INSTRUCTIONS

The DUSKTEC recessed light is controlled using the included infrared (IR) remote control. No network connection or app is required.

Remote Control

Light Off Delay

Dim Up (Fine-tuning)

Dim Down

General Lighting

RGB Colors

Strobe(RGB)

ON OFF

100% 30%
50% 10%
WW SW 0.5%
W DW CW
R G B

Fixed Brightness

Note: Please use Remote Control (Not for use with dimmer switches)

Romantic Mode Smooth

FUNCTION

One key start, adjust the speed of frequency change using

Preset programs,one key start.

LIGHT OFF DELAY

Press once to delay off by 1 minute, press twice in quick succession to delay off by 2 minutes, and so on...

CANCEL LIGHT OFF DELAY

1. Power off.
2. Press any other keys.

Image: Diagram of the remote control, detailing each button's function for light operation.

Remote Control Functions:

- **ON/OFF:** Power button to turn the light on or off.
- **Light Off Delay:** Press once for a 1-minute delay. Press twice in quick succession for a 2-minute delay, up to 12 minutes. To cancel, press any other key or power off.
- **Dim Up/Down (Fine-tuning):** Adjust brightness incrementally.

- **Fixed Brightness Levels:** Buttons for 100%, 50%, 30%, 10%, and 0.5% (Nightlight Mode).
- **General Lighting (CCT):** Buttons for Warm White (WW), Daylight White (DW), Cool White (CW) to adjust color temperature.
- **RGB Colors:** Direct selection buttons for Red, Green, Blue, and other preset colors.
- **Dynamic Modes:**
    - **Flash Mode (S):** Rapid color changes, suitable for parties.
    - **Smooth Mode (S with wave):** Gradual color transitions for relaxation.
    - **Romantic Mode (S with heart):** Soft, romantic color changes.
- **Sync Function:** All nearby DUSKTEC recessed lights can be controlled simultaneously with one remote.
- **Memory Function:** The light will remember the last setting (color, brightness, mode) when turned off and on using the remote control. This function is not available if the light is turned off via a wall switch.

Your browser does not support the video tag.

Video: This video demonstrates the various color changing, dimming, and mode functions of the DUSKTEC recessed lighting using the remote control.
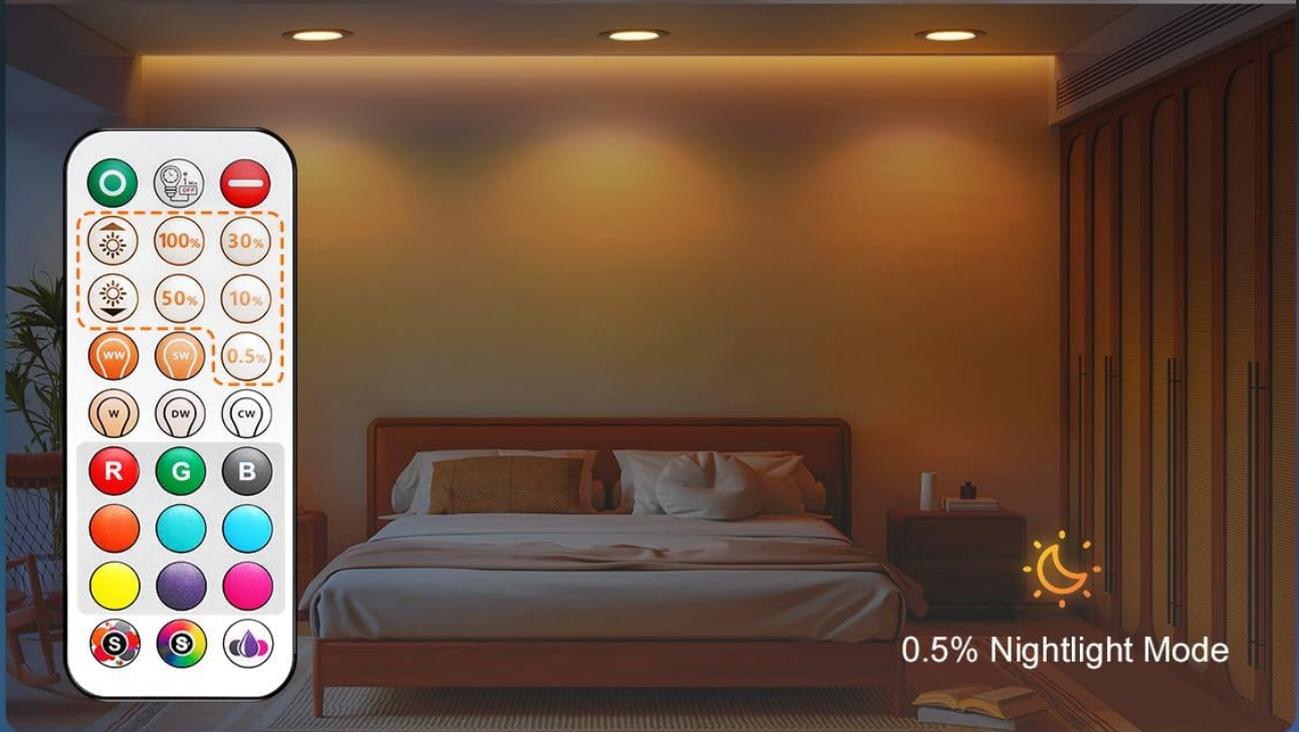
Dimmable & Nightlight Mode

0.5%   30%   50%   100%

0.5% Nightlight Mode

Image: Visual representation of the dimmable brightness levels and the nightlight mode feature.

Delayed Light Off Function

Say goodbye to sudden darkness

Image: A user demonstrating the delayed light off function, ideal for bedtime scenarios.
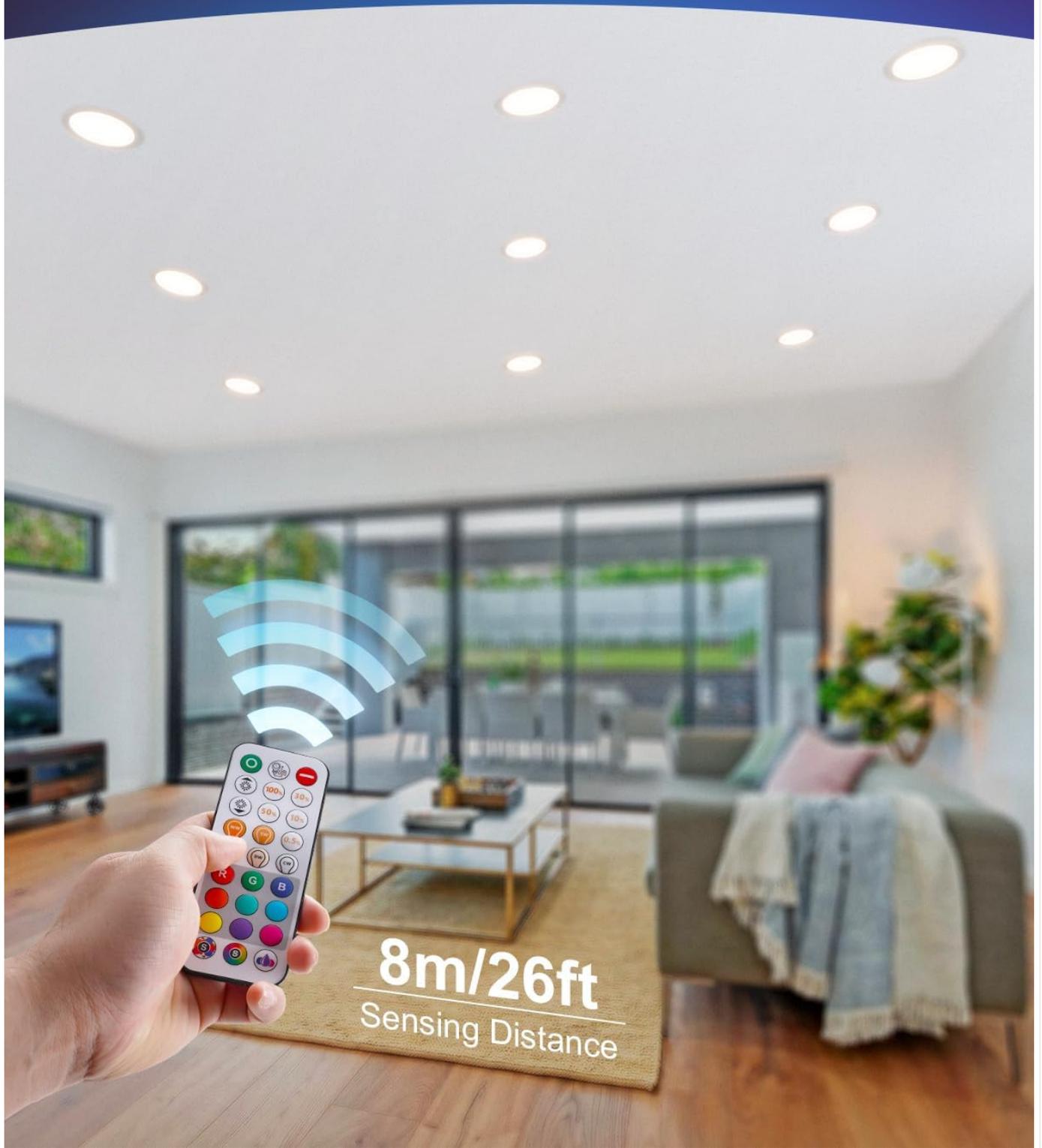
Image: A hand holding the remote control, illustrating its ability to control multiple lights simultaneously from a distance of up to 8 meters (26 feet).

MAINTENANCE

- Ensure power is off before cleaning.
- Wipe the fixture with a soft, dry cloth. Do not use abrasive cleaners or solvents.

- No user-serviceable parts inside. Do not attempt to disassemble the fixture.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power; loose wiring; remote control battery low.	Check circuit breaker. Ensure all wiring connections are secure. Replace remote control battery.
Remote control not working.	Remote control battery low; obstruction between remote and light; remote out of range.	Replace remote control battery. Ensure clear line of sight. Operate within 8m/26ft range.
Light flickers or dims unexpectedly.	Incompatible wall dimmer switch; unstable power supply.	**Do not use with traditional wall dimmer switches.** Ensure stable power supply.
Memory function not working.	Light turned off via wall switch.	The memory function only works when the light is turned off and on using the remote control.

SPECIFICATIONS

Brand	DUSKTEC
Model Number	TD3C002
Light Type	LED Recessed Lighting
Size	6 Inch
Color Options	RGBCW (9 RGB colors + 2700K-6000K White)
Brightness	Up to 1500 Lumens
Wattage	16 Watts
CRI	>90
Control Method	IR Remote Control
Material	Alloy Steel, Aluminum, Plastic
Product Dimensions	6.7"L x 6.7"W x 0.7"H
Item Weight	10.2 ounces
Indoor/Outdoor Usage	Indoor
Certification	ETL, UKCA, CE, ROHS

WARRANTY AND SUPPORT

DUSKTEC provides a **2-year limited manufacturer's support** for this product. For any issues or inquiries, please contact DUSKTEC customer service. We aim to provide a quick response within 24 hours.

Contact Information: Please refer to the product packaging or the DUSKTEC official website for the most up-to-date contact details.

Image: DUSKTEC support details, highlighting 2-year limited support, 24-hour response, and safety certifications (UKCA/CE/ROHS).