POWERASIA RGB-4IN

POWERASIA 6 Pack 4 Inch Smart LED Recessed Lighting User Manual
Model: RGB-4IN

1. INTRODUCTION

This manual provides detailed instructions for the installation, setup, operation, and maintenance of your POWERASIA 6 Pack 4 Inch Smart LED Recessed Lighting system. This system features RGB backlight, adjustable white light from 2700K to 6000K, and smart control capabilities via a mobile application, remote control, and voice assistants.

Image 1.1: Overview of the POWERASIA Smart LED Recessed Lighting kit components and lighting effects.

2. SAFETY INFORMATION

- Always turn off power at the circuit breaker before installation, removal, or maintenance.
- Consult a qualified electrician if you are not experienced with electrical wiring.
- Do not use with a dimmer switch. These smart lights are dimmable via the app, remote, or voice control. Installing a physical dimmer switch on the circuit will cause malfunction.
- Ensure all connections are secure and comply with local electrical codes.
- This product is rated for 100-120 Volts AC, 60 Hertz.
- Suitable for indoor and outdoor usage.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- Recessed Lighting Units (6x)
- Junction Boxes (6x)
- Smart Gateway Hub (1x)
- Remote Control (1x)

4. SPECIFICATIONS

Feature	Specification
Brand	POWERASIA
Model Name	RGB-4IN
Light Type	LED
Wattage	9 Watts
Brightness	850 Lumens (White Light)
Color Temperature	2700K-6000K (Adjustable White)
Light Color	RGB, Warm White/Cool White
Voltage	120 Volts (AC)
Control Method	App, Remote, Voice
Average Life	50,000 Hours
Material	Aluminum
Product Dimensions	5.9"W x 5.9"H
Advised Hole Cutout Size	4.25 inches
Certifications	ETL, Energy Star, FCC

5. INSTALLATION

5.1 Pre-Installation

- Turn off power at the circuit breaker before beginning installation.
- Ensure the ceiling cutout size is approximately 4.25 inches for proper fit.

5.2 Physical Installation Steps

1. Cut a hole in the ceiling with the advised cutout size (approximately 4.25 inches).
2. Open the junction box and connect the household wiring to the wires inside the junction box. Ensure proper polarity (Live to Live, Neutral to Neutral, Ground to Ground).
3. Close the junction box and place it into the ceiling opening.
4. Connect the recessed light fixture to the junction box using the provided connector.
5. Push the spring clips on the side of the recessed light upwards and insert the light into the ceiling opening. Release the clips to secure the light in place.

DIMENSION

Advised hole cutout size: 4.25inch

4.72"

0.47 inch

14.9"
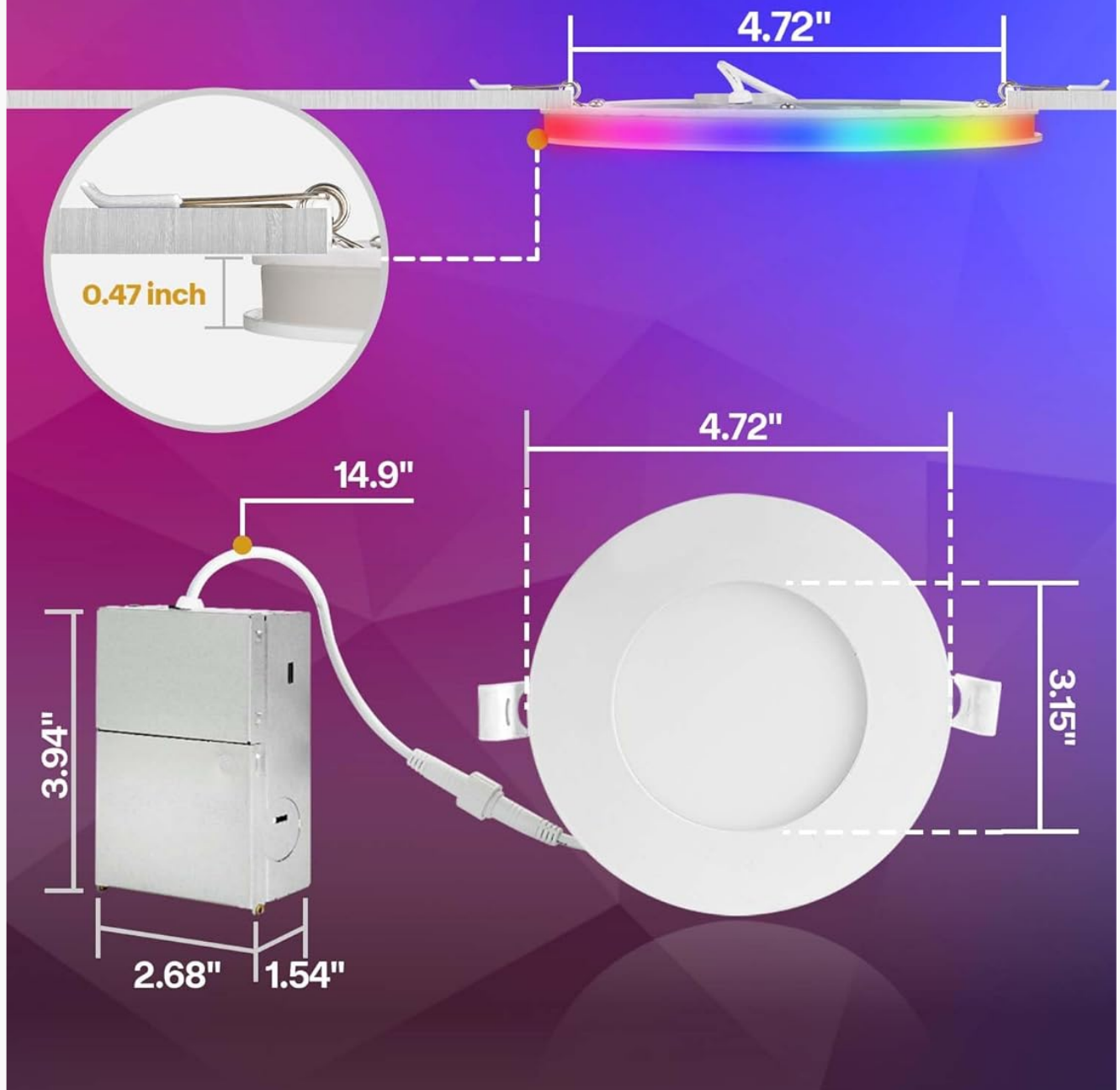
3.94"

2.68" 1.54"

4.72"

3.15"

Image 5.1: Product dimensions and advised hole cutout size for installation.

6. SETUP AND PAIRING

6.1 Remote Control Pairing

To pair the remote control with your lights:

1. Connect the light to the power supply. Turn the power off and then on.

2. Within 3 seconds of turning the light on, press and hold the "A+B" button or either "A" or "B" button on the remote control for 5 seconds.

3. When the light flashes, the pairing is successful.

Note:

- The remote control can be used directly without connecting to Wi-Fi.

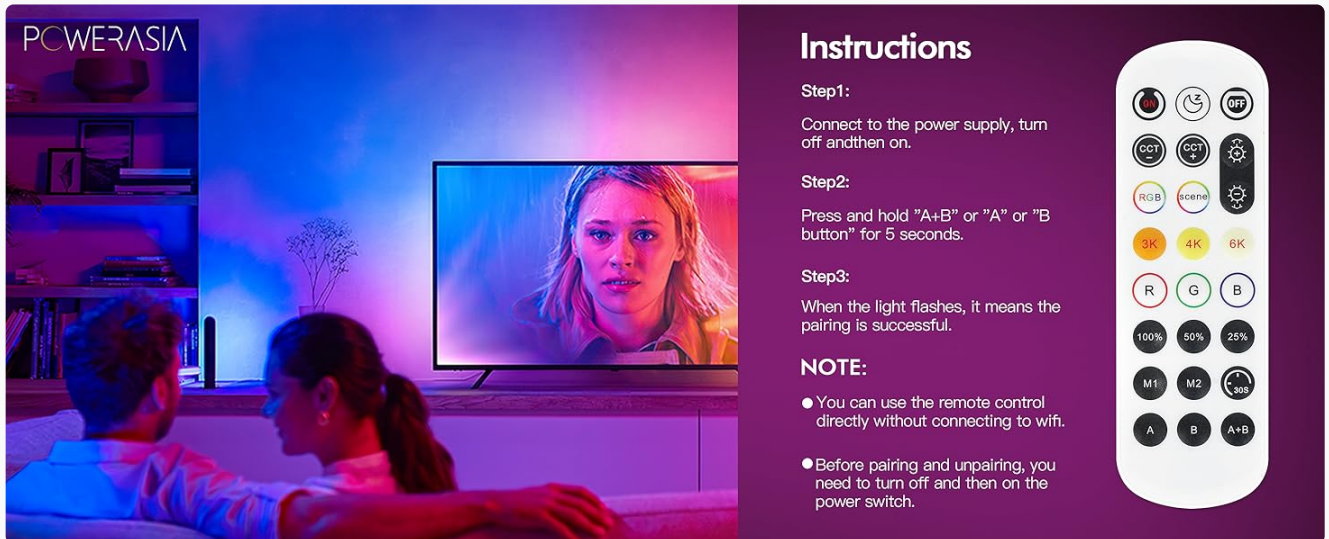- Before pairing and unpairing with the remote control, you need to turn off and then turn on the light power again.

Image 6.1: Remote control pairing instructions.

6.2 App Installation and Gateway Setup

To control your lights via the Tuya Smart app:

1. Download the "Tuya Smart" app from the App Store or Google Play, or scan the QR code provided in the manual (if applicable) to install the app.

2. Ensure your phone is connected to a 2.4GHz Wi-Fi network and Bluetooth is enabled.

3. In the app, click on the "+" icon in the upper right corner.

4. Select "Wireless Gateway (Zigbee)", "Wireless Gateway (Bluetooth)" or "Multi-Mode Gateway (BLE+Zigbee)" to add the gateway.

5. The gateway to be added will automatically appear. Follow the instructions in the app to complete the pairing process.

6. Once the gateway is paired, turn on/off the recessed panel light until the app automatically searches and connects to the recessed LED light. Ensure the light is in breathing mode (flashing) during pairing.

GATEWAY SETTINGS

1. In the App Store or Google Play, search for "smart Life" or scan the QR code on the manual to download and install the smart App.

2. Make sure your phone is connected to WiFi and blue ooth is on.

3. Click on the "+" in the upper right corner, and select "Wireless Gateway(Zigbee)", "Wireless Gateway (Bluetooth)" or "Multi–Mode Gateway(BLE+Zigbee)".

4. The gateway to be added will automatically appear, and please follow the instructions in the App.

Image 6.2: Gateway setup instructions for app control.

Image 6.3: The Smart Gateway Hub for enhanced connection stability.

6.3 Voice Control Integration

Once connected to the Tuya Smart app, you can integrate your lights with Google Assistant or Siri:

- Open the Tuya Smart app and navigate to the settings for your lights.

- Look for options to link with third-party voice assistants like Google Assistant or Siri.

- Follow the in-app instructions to authorize the connection.
- You can then use voice commands such as "Hey Google, turn the lights to 60% dim" or "Alexa, set the lights to music sync mode."

Image 6.4: Voice control functionality with smart assistants.

7. OPERATING INSTRUCTIONS

7.1 Basic Control (On/Off, Brightness, Color Temperature)

- **On/Off:** Use the remote, app, or voice command to turn the lights on or off.

- **Brightness:** Adjust brightness from 1% to 100% using the app, remote, or voice commands.

- **Color Temperature:** Adjust the white light color temperature from 2700K (warm white) to 6000K (cool white) via the app, remote, or voice commands.
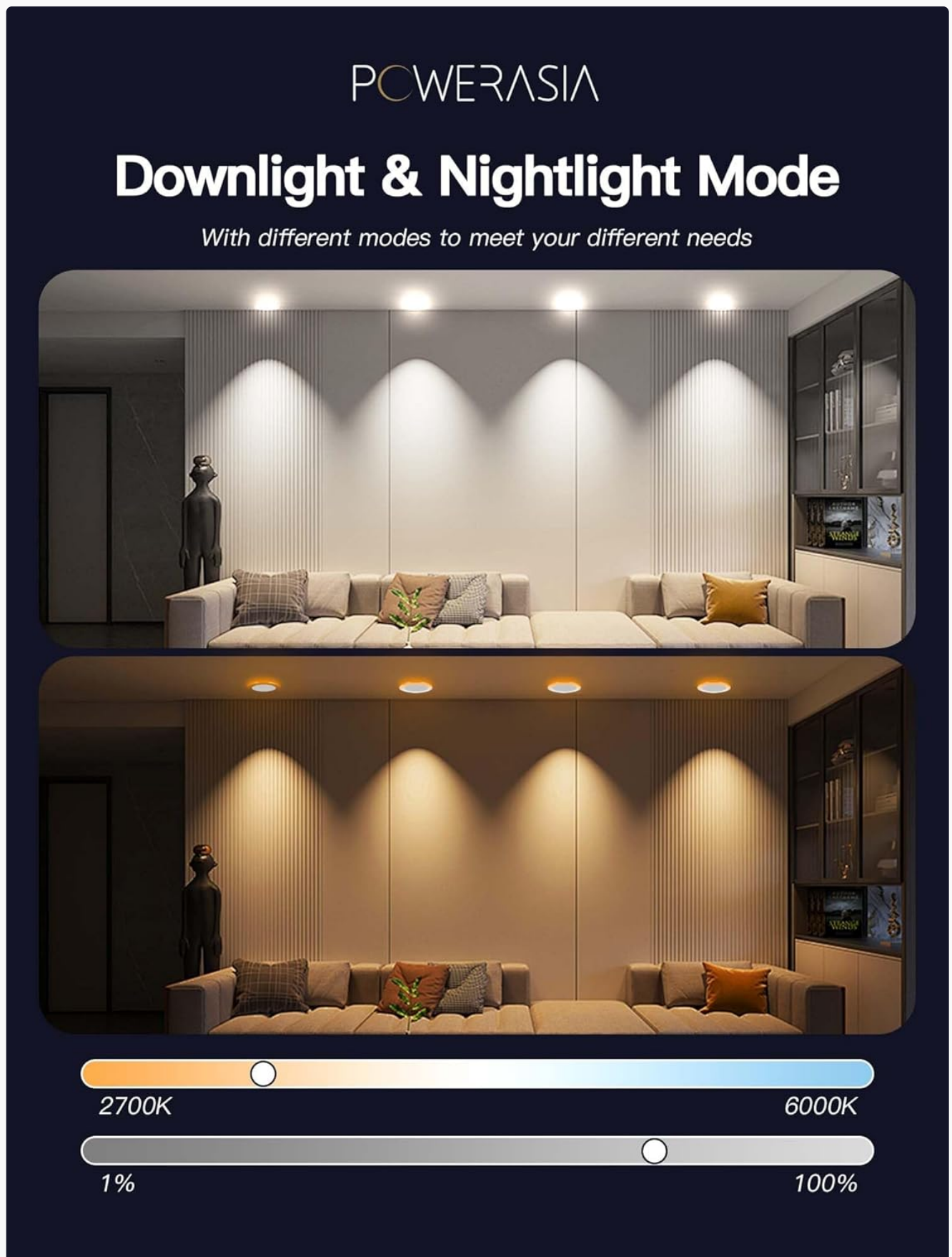

Image 7.1: Downlight and Nightlight mode adjustments.

7.2 RGB Backlight Control

The lights feature an RGB backlight for ambient effects:

- Access RGB color options through the Tuya Smart app or the remote control.
- Choose from a wide spectrum of colors (16 million adjustable colors).
- Explore various RGB dynamic modes and adjust their speed.
- Create and save your own DIY light modes.

Image 7.2: RGB color and dynamic mode options.

7.3 Light Modes

The system offers three distinct lighting modes:

- **Conventional Downlight:** For daily general illumination.
- **Night Light Mode:** A softer light setting suitable for bedrooms before sleep.

- **RGB Light:** For entertainment, festive occasions, or creating specific ambiances.

7.4 Group Control

Control multiple lights simultaneously by grouping them in the Tuya Smart app:

- In the app, select the lights you wish to group.

- Assign them to a group (e.g., "Living Room," "Bedroom").

- Control the entire group with a single command for synchronized lighting effects.

Image 7.3: Group control for multiple lights.

7.5 Scheduling

Set schedules for your lights to turn on or off at specific times using the Tuya Smart app. This feature allows for automated lighting routines, such as waking up to soft light or ensuring lights are off when you leave home.

8. MAINTENANCE

- Ensure power is off before cleaning.

- Wipe the light fixture with a soft, dry cloth. Do not use abrasive cleaners or solvents.

- These LED lights are integrated and do not require bulb replacement.

9. TROUBLESHOOTING

- **Light not pairing with app:** Ensure the light is in breathing mode (flashing) by turning it off and on 4 times. Confirm your phone is connected to a 2.4GHz Wi-Fi network.

- **Light not responding to remote:** Turn the light off and then on again before attempting to pair or unpair with the remote.

- **Light returns to default white when wall switch is turned off:** This is normal behavior. To retain settings, use the remote control, app, or voice assistants for control. Avoid using the physical wall switch for daily operation if you want to preserve specific light settings.

- **Cannot control RGB light with Google Home/Alexa:** Some voice assistants may have limited control over the RGB backlight portion. Full RGB control is typically available through the Tuya Smart app.

- **Lights turning on randomly:** Check for any active schedules or automations within the Tuya Smart app that might be causing this. If the issue persists, try resetting and re-pairing the lights and gateway.

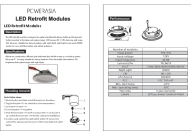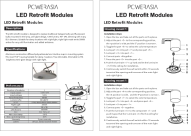- **Flickering or malfunction:** Ensure no physical dimmer switch is installed on the circuit. These smart lights are not compatible with external dimmers.
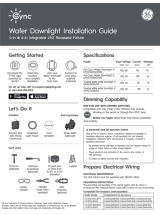
10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided with your purchase or visit the official POWERASIA website. Keep your purchase receipt for warranty claims.

Related Documents - RGB-4IN

	POWERASIA LED Retrofit Modules: Specifications and Installation Detailed specifications and installation guide for POWERASIA LED Retrofit Modules, including performance metrics, features like night light and dimmability, and step-by-step housing mount instructions.
	POWERASIA LED Retrofit Modules Installation Guide This guide provides detailed instructions for installing POWERASIA LED Retrofit Modules, including housing mount steps and performance specifications. Learn about the features and installation process for these energy-efficient lighting solutions.

	Rollin Light Smart Recessed Lighting User Manual This document provides instructions and details for the Rollin Light Smart Recessed Lighting 5/6 Inch - 6 Pack Wi-Fi RGB Color Changing LED Recessed Can Lights. Learn how to install and operate these dimmable, 1050LM downlights that work with Alexa, Google, and Siri.
	MiBoxer POW-LH1 High Voltage RGB Strip Light Driver - Features and Specifications Detailed information on the MiBoxer POW-LH1 High Voltage RGB Strip Light Driver, including features, technical parameters, connection diagrams, and dynamic mode settings. Supports 2.4G wireless, app control, and voice control via gateway.
	Novostella Smart LED Bulb User Guide - Setup, Alexa, Google Assistant Control Detailed user guide for Novostella Smart LED Bulbs. Learn how to easily set up your smart bulb, connect it to the Smart Life app, and control it with Amazon Alexa and Google Assistant voice commands. Includes product specifications and troubleshooting tips.
	GE Cync PC93130934 Wafer Downlight Installation Guide Installation guide for the GE Cync PC93130934 Wafer Downlight (4-in & 6-in). Covers setup, wiring, specifications, FCC/IC compliance, and smart features. Learn how to install your integrated LED recessed fixture.