

## Goodlite G-20223

# Goodlite 6-inch 20W LED Recessed Downlight (Model G-20223) Instruction Manual

## 1. INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Goodlite 6-inch 20W LED Recessed Ultra-Thin Round Slim Wafer Downlight, Model G-20223. Please read this manual thoroughly before installation and retain it for future reference.

The Goodlite 6-inch LED Downlight is designed for modern spaces, offering efficient and stylish lighting. Key features include:

- **Sleek Design:** Ultra-thin, round profile for seamless integration into ceilings.
- **Adjustable Color Temperature:** Selectable color temperatures from 2700K (Soft White) to 5000K (Super White) to suit various ambiances.
- **Efficient Illumination:** Delivers 1800 lumens with only 20 watts of power consumption.
- **Wide Voltage Operation:** Compatible with 120-277V electrical systems.
- **Enhanced Color Rendering:** High Color Rendering Index (CRI) of 90+ for accurate color depiction.
- **Versatile Dimming:** Compatible with Triac and 0-10V dimming systems.



Image 1: Goodlite 6-inch LED Recessed Downlight with its external junction box and wiring.

## 2. SAFETY INFORMATION

**WARNING: Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing. All electrical connections must be in accordance with local and National Electrical Code (NEC) standards. If you are unfamiliar with proper electrical wiring connections, contact a qualified electrician.**

- Ensure the power supply is turned off before installation.
- Do not attempt to alter or modify the fixture.

- This product is ETL Listed, ensuring it meets rigorous safety standards.
- Suitable for wet locations, but ensure all connections are properly sealed and protected.
- Do not install in areas with excessive heat or moisture beyond specified ratings.

### 3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Goodlite 6-inch LED Downlight
- 1 x Installation Instruction Manual (this document)
- 1 x Cutout Template

### 4. SPECIFICATIONS

| Feature                     | Detail  |
|-----------------------------|---|
| Brand                       | Goodlite                                      |
| Model Number                | G-20223                                       |
| Size                        | 6 Inches (7.2"L x 7.2"W x 2"H)                |
| Wattage                     | 20 Watts                                      |
| Brightness                  | 1800 Lumens                                   |
| Color Temperature (CCT)     | Selectable: 2700K, 3000K, 3500K, 4100K, 5000K |
| Color Rendering Index (CRI) | 90+   |
| Voltage                     | 120-277 Volts                                 |
| Dimming                     | Triac and 0-10V Compatible                    |
| Average Life                | 50,000 Hours                                  |
| Certifications              | ETL Listed                                    |
| Material                    | Aluminum (Fixture), Acrylic (Shade)           |
| Usage Environment           | Indoor, Outdoor (Wet Rated)                   |
| Installation Type           | Flush Mount (Recessed)                        |
| Item Weight                 | 1.28 pounds                                   |



## Round Slim LED Selectable

Lumens  
**1800**

Volts  
**120-277V**

Wattage  
**20W**

Dimmable  
**Triac**  
**Or 0-10V**

CRI  
**90**

Life Hour  
**50.000**

Shape  
**Round**

Classification  
**ETL Listed**

Color Temp.  
**27,30,35,41,50K**

Model  
**G-20223**

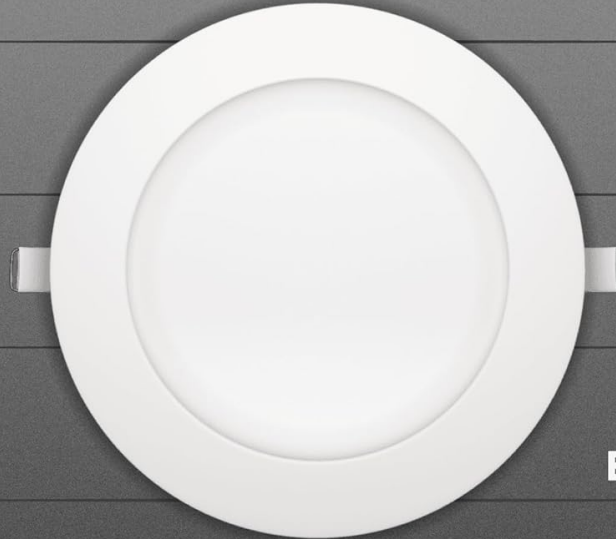


Image 2: Key specifications of the Goodlite 6-inch LED Downlight.

## 5. SETUP AND INSTALLATION

Follow these steps for proper installation. Ensure power is disconnected before proceeding.

1. **Prepare the Ceiling Opening:** Use the included cutout template to mark and cut a round opening in the ceiling. The recommended cutout diameter is 6.20 inches (157.48mm).

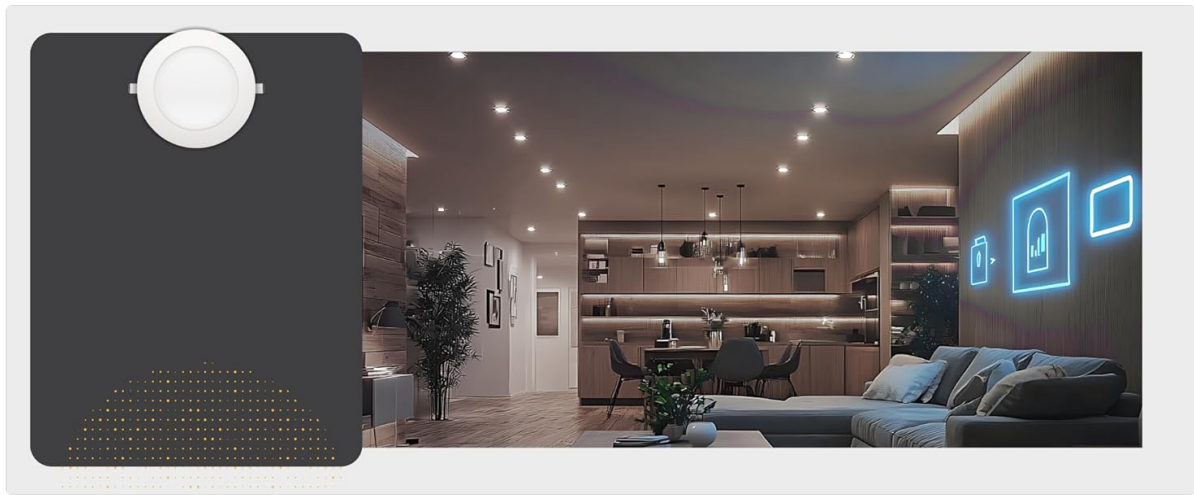


Image 3: Cutout template for ceiling opening.

2. **Connect Wiring:** Open the junction box cover. Connect the supply wires (Live, Neutral, Ground) to the corresponding wires inside the detachable junction box using the provided wire nuts. Ensure all connections are secure.
3. **Insert Junction Box:** Place the connected junction box into the ceiling opening.
4. **Connect Fixture to Junction Box:** Connect the light fixture wires to the junction box using the quick-connect plug.
5. **Install Fixture:** Gently push the LED downlight fixture into the ceiling opening. The spring clips on the sides of the fixture will engage and hold it securely in place.
6. **Restore Power:** Turn on the power at the circuit breaker and test your new light.



Image 4: Step-by-step installation guide.

## 6. OPERATING INSTRUCTIONS

### 6.1. Color Temperature Selection

Your Goodlite LED Downlight features 5 selectable color temperatures. Before final installation or at any time, you can adjust the color temperature using the switch located on the junction box. Select from 2700K (Soft White), 3000K (Warm White), 3500K (Neutral White), 4100K (Cool White), or 5000K (Super White) to match your desired ambiance.



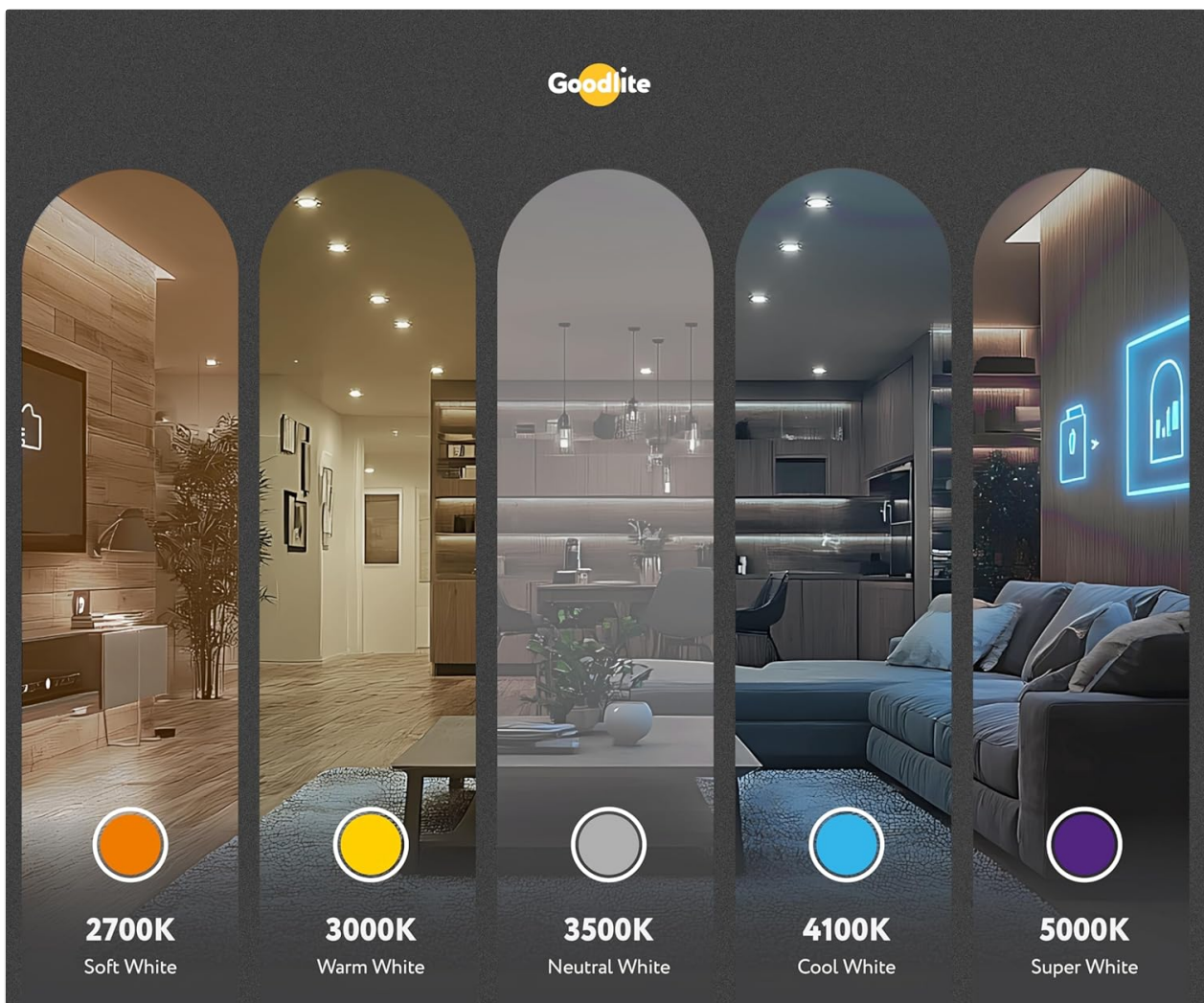


Image 5: Visual representation of selectable color temperatures.

## 6.2. Dimming Functionality

This downlight is compatible with both Triac and 0-10V dimming systems, allowing you to control the light intensity. Ensure you use a compatible dimmer switch for optimal performance. Refer to the list of compatible dimmers below or consult a qualified electrician if unsure.

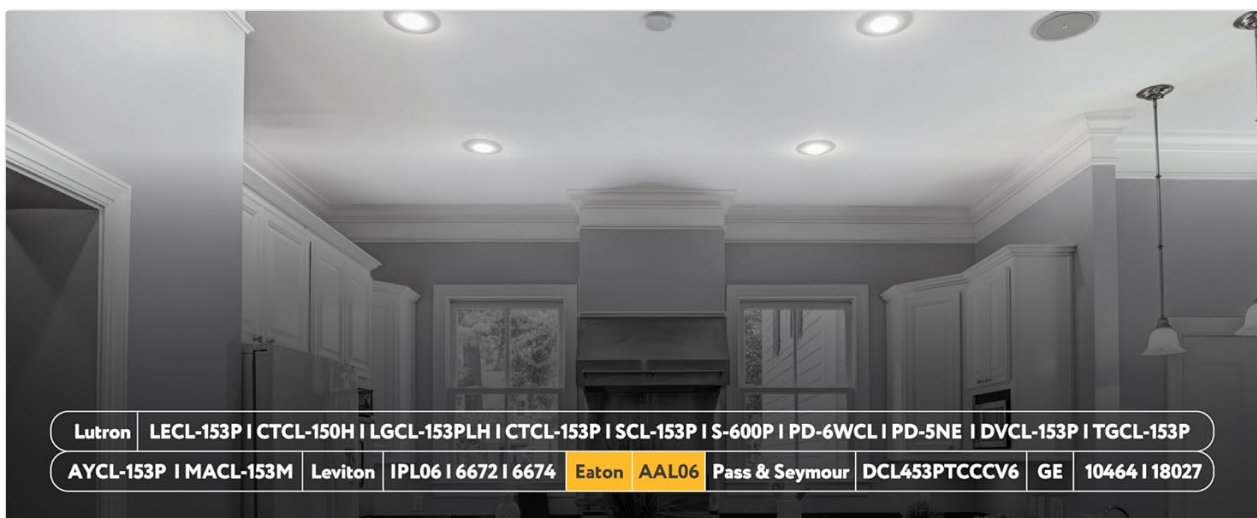


Image 6: Compatible dimmer list.

## 7. MAINTENANCE

The Goodlite LED Downlight requires minimal maintenance. Follow these guidelines:

- **Cleaning:** Ensure the power is off before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use harsh chemicals, abrasive cleaners, or solvents, as these may damage the finish or electrical components.
- **Inspection:** Periodically inspect the fixture for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.
- **LED Longevity:** LEDs have a long lifespan (50,000 hours average). No bulb replacement is necessary.

## 8. TROUBLESHOOTING

If you encounter issues with your Goodlite LED Downlight, refer to the following common problems and solutions:

| Problem                               | Possible Cause  | Solution   |
|---------------------------------------|---|--|
| Light does not turn on                | No power supply; Loose wiring; Faulty switch or dimmer  | Check circuit breaker; Verify all wire connections are secure; Test switch/dimmer functionality.                         |
| Light flickers or dims inconsistently | Incompatible dimmer; Loose wiring; Voltage fluctuations | Ensure dimmer is compatible (refer to Section 6.2); Check wiring connections; Consult an electrician for voltage issues. |
| Incorrect color temperature           | CCT switch set incorrectly                              | Adjust the CCT switch on the junction box to the desired setting.  |
| Light is too dim or too bright        | Dimmer setting; Incorrect wattage for application       | Adjust dimmer to desired brightness; Ensure the light's lumen output is suitable for the space.                          |

If troubleshooting steps do not resolve the issue, contact Goodlite customer support.

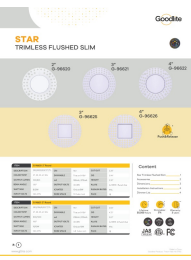





## 9. WARRANTY AND SUPPORT

### 9.1. Limited Warranty

This Goodlite LED Downlight is covered by a limited warranty. Please refer to the warranty documentation included with your purchase for specific terms and conditions. The warranty typically covers defects in materials and workmanship under normal use.

### 9.2. Customer Support

For technical assistance, warranty claims, or any questions regarding your Goodlite product, please contact Goodlite customer support. Contact information can usually be found on the product packaging or the official Goodlite website.

|   |   |
|---|---|
|     | <p><a href="#">Goodlite STAR Trimless Flushed Slim LED Fixtures: Specifications &amp; Installation Guide</a></p> <p>Comprehensive guide to Goodlite's STAR Trimless Flushed Slim LED lighting series. Features detailed specifications, dimensions, installation instructions, and dimmer compatibility for round and square models (G-96620, G-96621, G-96622, G-96625, G-96626).</p>                  |
|    | <p><a href="#">Goodlite REGULUS 2" Trimless Regress Slim LED Downlight G-96720 - Specifications &amp; Installation</a></p> <p>Detailed specifications, installation guide, and dimmer compatibility for the Goodlite REGULUS 2" Trimless Regress Slim LED downlight (Model G-96720). Features selectable CCT, 120° beam angle, and 50,000-hour lifespan.</p>  |
|    | <p><a href="#">Goodlite ASTER 3" Interchangeable Module: Product Specifications and Options</a></p> <p>Explore the Goodlite ASTER 3" Interchangeable Module series, featuring models like G-96012, G-96022, G-96023, and G-96024. This catalog details specifications, lens options, trims, accessories, and multi-head configurations for versatile commercial and residential lighting solutions.</p> |
|   | <p><a href="#">Goodlite ASTER 3.5" Interchangeable Module Product Specifications and Options</a></p> <p>Detailed specifications, lens options, trim styles, accessories, and multi-head kits for the Goodlite ASTER 3.5" Interchangeable LED Module (G-23500, G-23505).</p>   |
|  | <p><a href="#">Goodlite T8 4 FT LED Universal Tube Series Specifications</a></p> <p>Detailed specifications for Goodlite T8 4 FT LED Universal tubes, including frosted and clear options, selectable color temperatures (5CCT and 3CCT), wattage, lumens, input voltage, dimmability, and compatibility information for accessories and dimmers.</p>   |
|  | <p><a href="#">Goodlite ASTER 2" Interchangeable Module: Specifications, Options, and Accessories</a></p> <p>Discover the Goodlite ASTER 2" Interchangeable Module. This document details product specifications for models G-48340, G-20215, and G-20213, along with comprehensive options for lenses, trims, trimless kits, multi-head configurations, and compatible accessories.</p>                |



Goodlite

LED RECESSED  
ROUND SLIM SELECTABLE CCT

G-20219

G-20220

G-20221

G-20222

G-20223

G-20224

G-20225

| G-20219      |                             |                |        |
|--------------|-----------------------------|----------------|--------|
| DESCRIPTION  | LED RECESSED SELECTABLE CCT | WATT           | 1.7    |
| CHUCK TYPE   | 20.0 x 20.0 x 1.0           | WATT           | 1.7    |
| OUTPUT LUMEN | 100                         | TEMPERATURE    | 2700K  |
| REMARKS      | 100                         | OUTPUT VOLTAGE | 120VAC |
| REMARKS      | 100                         | OUTPUT VOLTAGE | 120VAC |

| G-20220      |                             |                |        |
|--------------|-----------------------------|----------------|--------|
| DESCRIPTION  | LED RECESSED SELECTABLE CCT | WATT           | 1.7    |
| CHUCK TYPE   | 20.0 x 20.0 x 1.0           | WATT           | 1.7    |
| OUTPUT LUMEN | 100                         | TEMPERATURE    | 3000K  |
| REMARKS      | 100                         | OUTPUT VOLTAGE | 120VAC |
| REMARKS      | 100                         | OUTPUT VOLTAGE | 120VAC |

| G-20221      |                             |                |        |
|--------------|-----------------------------|----------------|--------|
| DESCRIPTION  | LED RECESSED SELECTABLE CCT | WATT           | 1.7    |
| CHUCK TYPE   | 20.0 x 20.0 x 1.0           | WATT           | 1.7    |
| OUTPUT LUMEN | 100                         | TEMPERATURE    | 3500K  |
| REMARKS      | 100                         | OUTPUT VOLTAGE | 120VAC |
| REMARKS      | 100                         | OUTPUT VOLTAGE | 120VAC |

| G-20222      |                             |                |        |
|--------------|-----------------------------|----------------|--------|
| DESCRIPTION  | LED RECESSED SELECTABLE CCT | WATT           | 1.7    |
| CHUCK TYPE   | 20.0 x 20.0 x 1.0           | WATT           | 1.7    |
| OUTPUT LUMEN | 100                         | TEMPERATURE    | 4000K  |
| REMARKS      | 100                         | OUTPUT VOLTAGE | 120VAC |
| REMARKS      | 100                         | OUTPUT VOLTAGE | 120VAC |

| G-20223      |                             |                |        |
|--------------|-----------------------------|----------------|--------|
| DESCRIPTION  | LED RECESSED SELECTABLE CCT | WATT           | 1.7    |
| CHUCK TYPE   | 20.0 x 20.0 x 1.0           | WATT           | 1.7    |
| OUTPUT LUMEN | 100                         | TEMPERATURE    | 4500K  |
| REMARKS      | 100                         | OUTPUT VOLTAGE | 120VAC |
| REMARKS      | 100                         | OUTPUT VOLTAGE | 120VAC |

| G-20224      |                             |                |        |
|--------------|-----------------------------|----------------|--------|
| DESCRIPTION  | LED RECESSED SELECTABLE CCT | WATT           | 1.7    |
| CHUCK TYPE   | 20.0 x 20.0 x 1.0           | WATT           | 1.7    |
| OUTPUT LUMEN | 100                         | TEMPERATURE    | 5000K  |
| REMARKS      | 100                         | OUTPUT VOLTAGE | 120VAC |
| REMARKS      | 100                         | OUTPUT VOLTAGE | 120VAC |

| G-20225      |                             |                |        |
|--------------|-----------------------------|----------------|--------|
| DESCRIPTION  | LED RECESSED SELECTABLE CCT | WATT           | 1.7    |
| CHUCK TYPE   | 20.0 x 20.0 x 1.0           | WATT           | 1.7    |
| OUTPUT LUMEN | 100                         | TEMPERATURE    | 5500K  |
| REMARKS      | 100                         | OUTPUT VOLTAGE | 120VAC |
| REMARKS      | 100                         | OUTPUT VOLTAGE | 120VAC |

Content

LED Recessed Round Slim

Accessories

Trim Mountings

Dimensions

Dimmer List

1.7W

20.0 x 20.0 x 1.0

100lm

120VAC

1.7W

20.0 x 20.0 x 1.0

100lm

120VAC

1.7W

20.0 x 20.0 x 1.0

100lm

120VAC

1.7W

20.0 x 20.0 x 1.0

100lm

120VAC

1.7W

20.0 x 20.0 x 1.0

100lm

120VAC

1.7W

20.0 x 20.0 x 1.0

100lm

120VAC

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[Goodlite LED Recessed Round Slim Selectable CCT - Product Specifications and Options](#)

Explore the Goodlite LED Recessed Round Slim Selectable CCT lighting series. Find detailed specifications, dimensions, accessories, and dimmer compatibility for models G-20219 through G-20224.

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