## Lithonia Lighting 218EJT

# Lithonia Lighting 6 Inch LED Gimbal Recessed Downlight

**Model: 218EJT**

## 1. Product Overview

The Lithonia Lighting 6 Inch LED Gimbal Recessed Downlight is designed for directional lighting applications. This retrofit module offers 360-degree rotation and 45-degree tilt, allowing precise light positioning. It is an energy-efficient solution suitable for various indoor environments, including sloped ceilings, wall washing, and accent lighting.

- **Adjustable Light Direction:** Features 360-degree rotation and 45-degree tilt for flexible illumination.
- **Energy Efficient:** Utilizes LED technology, consuming only 10.8 Watts to produce 620 lumens, equivalent to a 65W incandescent fixture.
- **Dimmable:** Compatible with most line voltage dimmers, allowing light intensity adjustment down to 15%.
- **Long Lifespan:** Designed for an average life of 35,000 hours.
- **Damp Location Rated:** Suitable for use in bathrooms and wash areas.
- **Certifications:** ETL Certified to US and Canadian Standards, Energy Star Certified, California T24 compliant.



Figure 1: Front view of the Lithonia Lighting 6 Inch LED Gimbal Recessed Downlight in Brushed Nickel.

## 2. Safety Information

Read all instructions carefully before installation. Failure to do so may result in electric shock, fire, or other hazards that could cause injury or property damage.

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing.
- **WARNING:** Risk of fire. Do not install this fixture in a luminaire with less than the minimum lamp wattage indicated on the fixture.
- Ensure all electrical connections are made in accordance with local codes, ordinances, and the National Electric Code (NEC).
- Consult a qualified electrician if you are unsure about the installation process.
- Do not modify or alter the fixture.
- Wear safety glasses and gloves during installation.

## 3. Package Contents

Verify that all components are present before beginning installation:

- LED Gimbal Recessed Downlight Module
- Edison Base Adapter (for retrofit into existing incandescent sockets)
- Wire Connectors

- UL Recognized Driver (integrated)



Figure 2: Rear view of the downlight module showing mounting clips and wiring.

## 4. Specifications

| Feature | Specification |
|---|---|
| Model Number | 218EJT |
| Brand | Lithonia Lighting |
| Color | Brushed Nickel |
| Material | Aluminum |
| Power | 10.8 Watts |
| Input Voltage | 120V |
| Luminous Flux | 620 Lumens |
| Emitting Color | 3000K (Bright White) |
| Dimmable | Yes (down to 15%) |
| Light Source | Integrated LED |
| CRI | 83 |
| Aperture | 3.44 inches |
| Overlap Trim | 4.1 inches |

| Feature | Specification |
|---|---|
| Dimensions (L x W x H) | 6.13 x 6.13 x 4.5 Inches |
| Average Life | 35,000 hours |
| Certifications | ETL, Energy Star, California T24, Damp Location Listed |

## 5. Installation

This LED gimbal module is designed for quick installation into most existing 6-inch recessed downlighting installations or new construction/remodel applications. Installation typically takes minutes.

1. **Turn Off Power:** Before starting, ensure the power to the recessed lighting fixture is turned off at the circuit breaker.
2. **Remove Existing Bulb/Trim:** Carefully remove the existing incandescent bulb and trim from the recessed housing.
3. **Connect Adapter:** Screw the provided Edison base adapter into the existing socket of the recessed housing.
4. **Connect Wiring:** Connect the wires from the LED gimbal module to the wires from the Edison base adapter using the supplied wire connectors. Ensure a secure connection (black to black, white to white).
5. **Insert Module:** Gently push the LED gimbal module into the recessed housing. The spring clips on the module will secure it in place.
6. **Adjust Direction:** Once installed, the light can be rotated 360 degrees and tilted 45 degrees to direct illumination as needed.
7. **Restore Power:** Turn the power back on at the circuit breaker.

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Video 1: Overview of Lithonia Lighting LED Gimbal features and installation process.



Figure 3: Quick Tip - To reduce shadows, install fixtures directly over the task area or work surface.



Figure 4: Downlight Placement Guide - Step 1: Place task lighting over work areas. Step 2: Place general illumination throughout the remainder of the room.

## 6. Operating Instructions

Once installed and power is restored, the LED gimbal downlight operates like a standard light fixture.

- **Turning On/Off:** Use your existing wall switch to turn the light on or off.
- **Dimming:** If connected to a compatible dimmer switch, adjust the dimmer control to increase or decrease the light intensity. The fixture is dimmable down to 15% of its full brightness.
- **Adjusting Light Direction:** Gently push on the inner gimbal ring to tilt the light in the desired direction (up to 45 degrees). The entire module can also be rotated 360 degrees within the housing to change the beam angle.

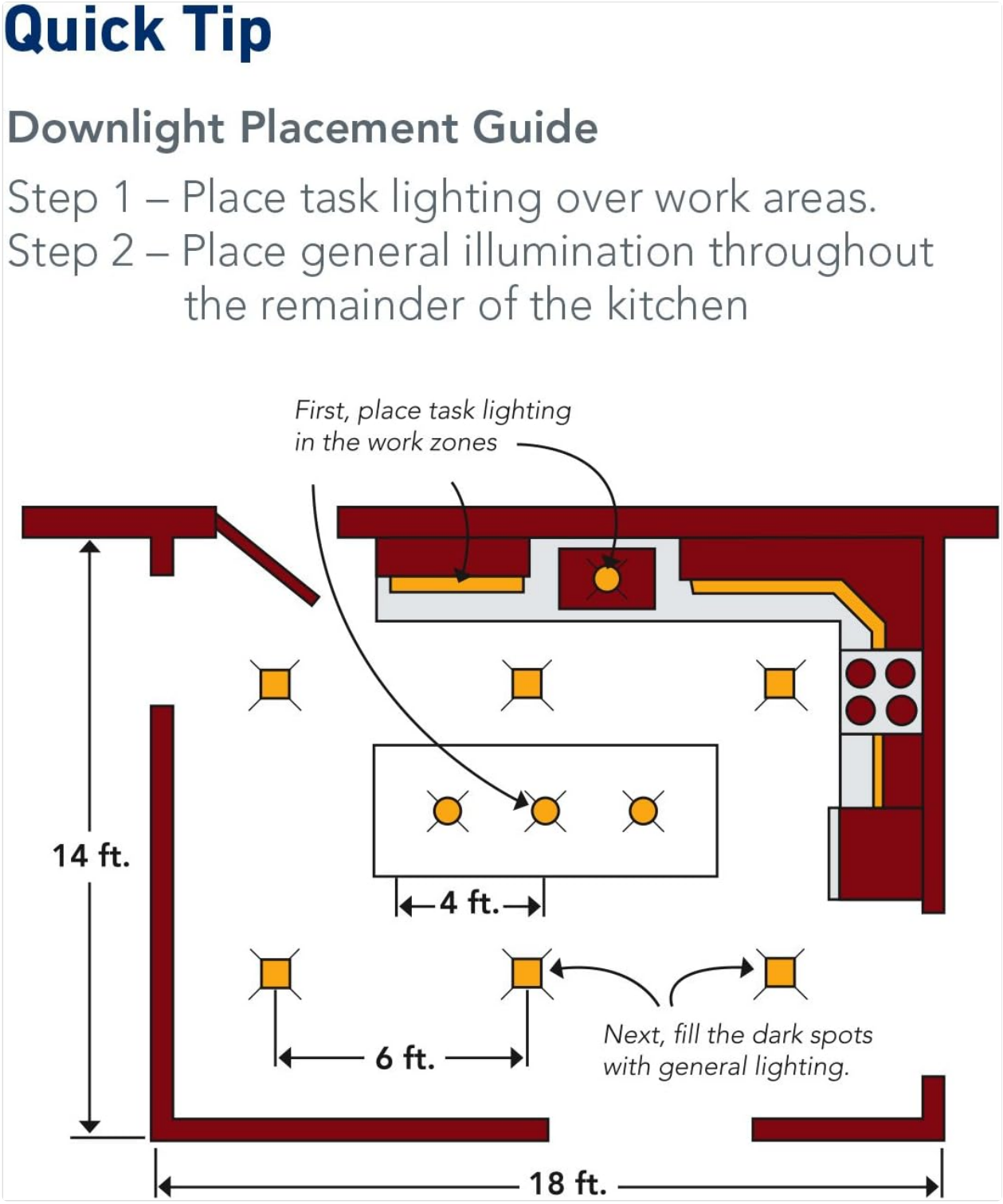



Figure 5: Example application of LED gimbal downlights in a living room setting.




Figure 6: Example application of LED gimbal downlights in an office conference room setting.

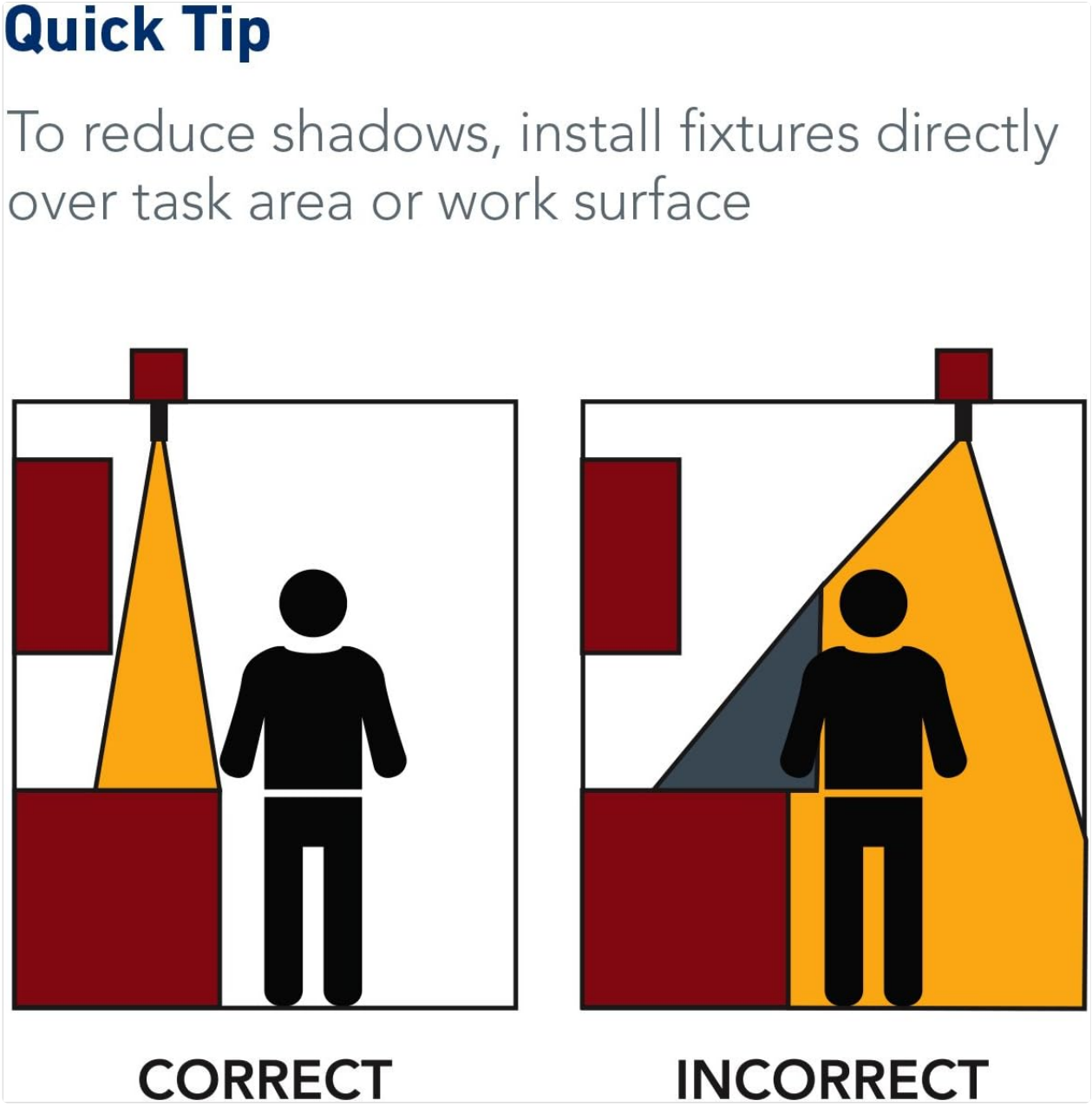



Figure 7: Illustration of different color temperatures. This product provides 3000K (Bright White) light.

## 7. Maintenance

The Lithonia Lighting LED Gimbal Recessed Downlight requires minimal maintenance.

- **Cleaning:** Ensure power is off before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or electrical components.
- **No Bulb Replacement:** This fixture features integrated LED technology, meaning there are no bulbs to replace. The entire module is designed for a long lifespan.

## 8. Troubleshooting

If the fixture does not operate correctly, refer to the following troubleshooting guide:

| Problem | Possible Cause | Solution |
|---|---|---|

| Problem | Possible Cause | Solution |
|---|---|---|
| Light does not turn on | No power to the fixture; Loose wiring connection; Faulty switch or circuit breaker. | Check circuit breaker and wall switch. Verify all wire connections are secure. Test the circuit with another device. |
| Light flickers or dims inconsistently | Incompatible dimmer switch; Loose wiring; Voltage fluctuations. | Ensure dimmer is compatible with LED fixtures. Check wire connections. Consult an electrician for voltage issues. |
| Light output is too low | Dimmer setting is too low; Incorrect fixture for application. | Adjust dimmer to maximum brightness. Verify the fixture's lumen output meets your lighting needs. |

If the problem persists after attempting these solutions, contact customer support or a qualified electrician.

## 9. Warranty and Support

This Lithonia Lighting LED Gimbal Recessed Downlight is covered by a**5-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service.

For warranty claims, technical assistance, or further information, please contact Lithonia Lighting customer support. Keep your purchase receipt as proof of purchase for warranty validation.

Visit the Lithonia Lighting Store for additional products and resources.