ASD A-CDL7-6DA22AC-BK-8p

ASD 6 Inch Commercial Canless LED Downlight User Manual

Model: A-CDL7-6DA22AC-BK-8p | Brand: ASD

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ASD 6 Inch Commercial Canless LED Downlight. Designed for commercial and residential applications, this fixture offers adjustable power and color temperature settings, ensuring optimal lighting for various environments. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.

Image 1.1: Overview of the ASD 6 Inch Commercial Canless LED Downlight (8-pack).

2. SAFETY INFORMATION

Always follow basic safety precautions when installing and operating electrical equipment to reduce the risk of fire, electric shock, and personal injury.

- Disconnect power at the circuit breaker before installation or servicing.
- Ensure the supply voltage is compatible with the fixture (120-277V).
- All wiring connections must be made in accordance with local and national electrical codes. If you are unsure about wiring, consult a qualified electrician.
- Do not modify or alter the fixture in any way.
- Do not install in areas with excessive vibration or heat sources.
- This fixture is suitable for Wet locations, but avoid direct water immersion.
- The fixture is IC Rated, meaning it is safe for direct contact with insulation.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- LED Commercial Downlight Fixture
- 3 Wire Nuts
- Template for 6-1/8" (156 mm) hole cutting

4. PRODUCT FEATURES

The ASD 6 Inch Commercial Canless LED Downlight is engineered with advanced features for superior performance and versatility:

- **Adjustable CCT & Wattage:** Equipped with a simple switch to select from 5 color temperatures (2700K, 3000K, 3500K, 4000K, 5000K) and multiple wattage options (10W, 15W, 22W) depending on the downlight size.
- **Wide Application:** Ideal for hallways, corridors, retail spaces, offices, and other indoor residential or commercial areas, including those requiring wet location suitability.
- **Energy Efficiency:** Long lifespan of 50,000 hours and significant energy savings compared to incandescent fixtures.
- **IC Rated Canless Solution:** No separate can or housing required, simplifying installation.
- **0-10V Dimmable:** Designed to operate on 120-277V circuits with a 0-10V dimmable driver for smooth dimming control.
- **High CRI 90+:** Provides rich and natural color rendering, enhancing the visual appeal of illuminated spaces.

FEATURES

COLOR AND POWER SELECTABLE

CRI90+ RICH AND NATURAL COLORS

IC RATED CANLESS SOLUTION

WET LOCATIONS RATED

UL CERTIFIED

ENERGY STAR

Image 4.1: Key features of the downlight, highlighting its adjustability, color rendering, and safety ratings.

CRI 90+

Rich and natural colors

Image 4.2: Illustration of CRI 90+ providing rich and natural colors in an indoor setting.

Image 4.3: The IC Rated canless solution allows for direct contact with insulation, simplifying installation.

Image 4.4: The fixture is rated for wet locations, making it suitable for environments like swimming pools.

5. Specifications

Detailed technical specifications for the ASD 6 Inch Commercial Canless LED Downlight:

Attribute	Value
Brand	ASD
Model Name	CDL7 A-CDL7-6DA22AC-BK-8p
Color	6 Inch Black
Material	Aluminum Housing, PC Lens
Style	Modern

Attribute	Value
Light Fixture Form	Ceiling
Product Dimensions	8.25"L x 3.88"W x 8.25"H
Specific Uses For Product	Indoor use only
Indoor/Outdoor Usage	Indoor
Power Source	Hardwired
Installation Type	Surface-mounted or hardwired
Special Feature	Wet Locations Rated, Power and Color Adjustable, 120-277V, IC Rated Canless Solution, Template Size for Installation is 6-1/8" (156 mm)
Control Method	Touch (via external dimmer)
Light Source Type	LED
Finish Type	Black
Shade Material	Polycarbonate
Number of Light Sources	1
Voltage	120-277 Volts (AC)
Light Color	Adjustable (2700K-5000K)
Shape	Round
Included Components	Template for 6-1/8" (156 mm), 3 Wire Nuts, LED Commercial Downlight Fixture
Warranty Type	Limited (5-year)
Item Weight	1.5 Pounds
Number of Items	8 (for this pack)
Wattage	Adjustable (10W/15W/22W)
Brightness	Up to 1850 Lumens
Efficiency	High
Mounting Type	Ceiling Mount
Water Resistance Level	Water Resistant

PRODUCT SPECIFICATION

Ø 8-1/4" (209 mm)

Ø 6-1/8" (156 mm)

template size
for installation

4" (101 mm)

| 120-277V voltage | 0-10V dimming | Wet locations |

6"	**10-15-22W**	**5CCT**	**1850lm**	**BLACK**
Size	Power Adjustable	Color Selectable	Brightness	Finish

Image 5.1: Detailed product specifications including dimensions, power options, color temperatures, and brightness.

6. SETUP AND INSTALLATION

Follow these steps for safe and proper installation:

1. **Prepare the Opening:** Use the provided template to cut an appropriate sized hole in the ceiling. The recommended template size for installation is 6-1/8" (156 mm).

2. **Wiring Connections:** Secure the safety latch onto a structural part of the original fixture housing above the ceiling. Connect the wires using the included wire nuts: Black to Black (Live), White to White (Neutral), and Green to Green (Ground). Ensure all connections are secure.

3. **Adjust Settings (Pre-Installation):** Before inserting the fixture into the mounting surface opening, choose your desired power (wattage) and color temperature (CCT) using the simple switches located on the fixture. Refer to Section 7 for details on these adjustments.

4. **Mount the Fixture:** Fold up the two spring mounting tabs. Carefully insert the fixture into the prepared hole. As the fixture is placed into the mounting surface, the spring-loaded clips will engage, ensuring a snug fit.

5. **Secure the Fixture:** Ensure that the spring mounting tabs have securely mounted the fixture so that the front trim is flush against the mounting surface. The safety cable further secures the fixture and eliminates the possibility of an incident during installation.

1. Use template to cut an appropriate sized hole. Secure the safety latch onto a structural part of the original fixture housing above the ceiling. Connect the wires using wire nuts: Black to Black, White to White, Green to Green.
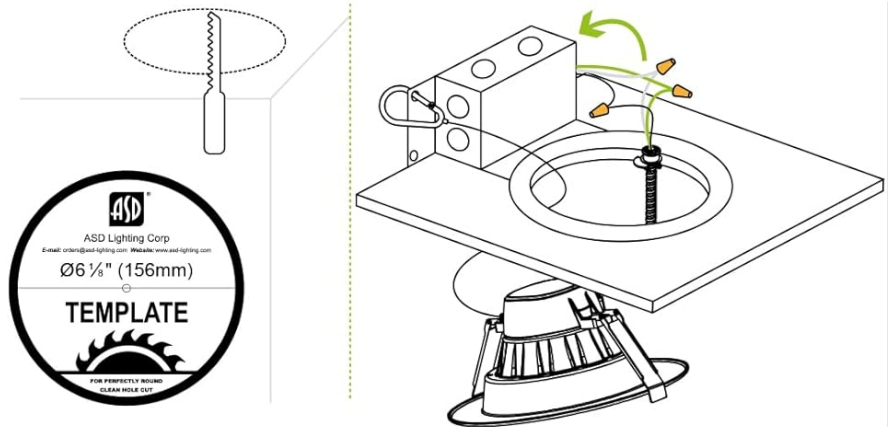
2. Before inserting the fixture into the mounting surface opening, choose power and color temperature with a simple switch. Fold up the two spring mounting tabs and release as the fixture is placed into the mounting surface.
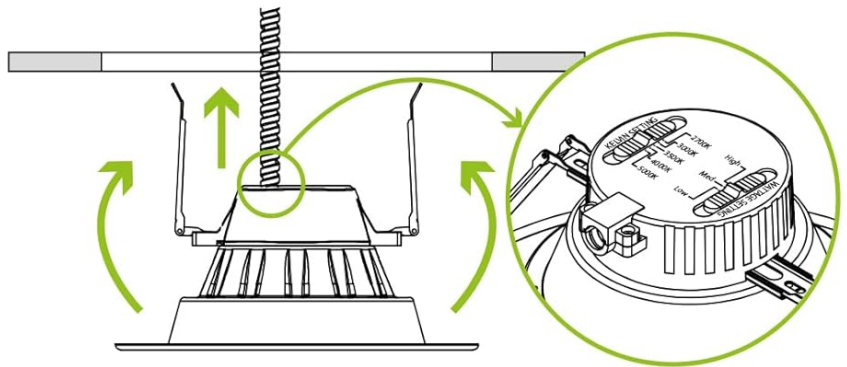
3. Ensure that the spring mounting tabs have securely mounted the fixture so that the front trim is flush against the mounting surface.
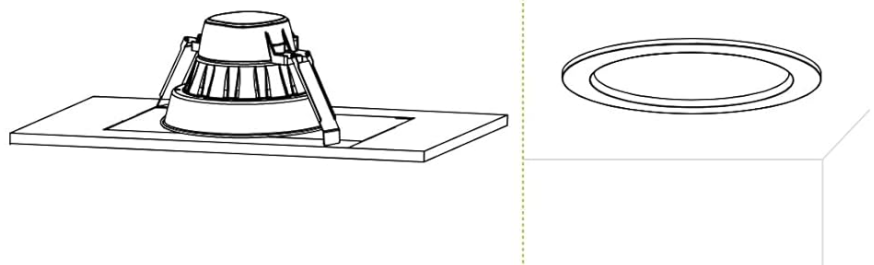
INSTALLATION

Image 6.1: Visual guide for the installation process, from cutting the hole to securing the fixture.

7. OPERATING INSTRUCTIONS

Your ASD LED Downlight features adjustable power and color temperature settings to customize your lighting experience.

7.1 Color Temperature (CCT) Adjustment

The fixture allows you to select from five distinct color temperatures:

- **2700K:** Soft White
- **3000K:** Warm White
- **3500K:** Neutral White
- **4000K:** Cool White
- **5000K:** Daylight

To change the CCT, locate the CCT selection switch on the side of the fixture. Slide the switch to your desired color temperature setting before final installation into the ceiling.

7.2 Wattage Adjustment

The downlight also features adjustable wattage settings, allowing you to control the brightness and energy consumption:

- **10W:** Approximately 900 lumens
- **15W:** Approximately 1300 lumens
- **22W:** Approximately 1850 lumens

To change the wattage, locate the wattage selection switch on the side of the fixture. Slide the switch to your desired power setting before final installation.
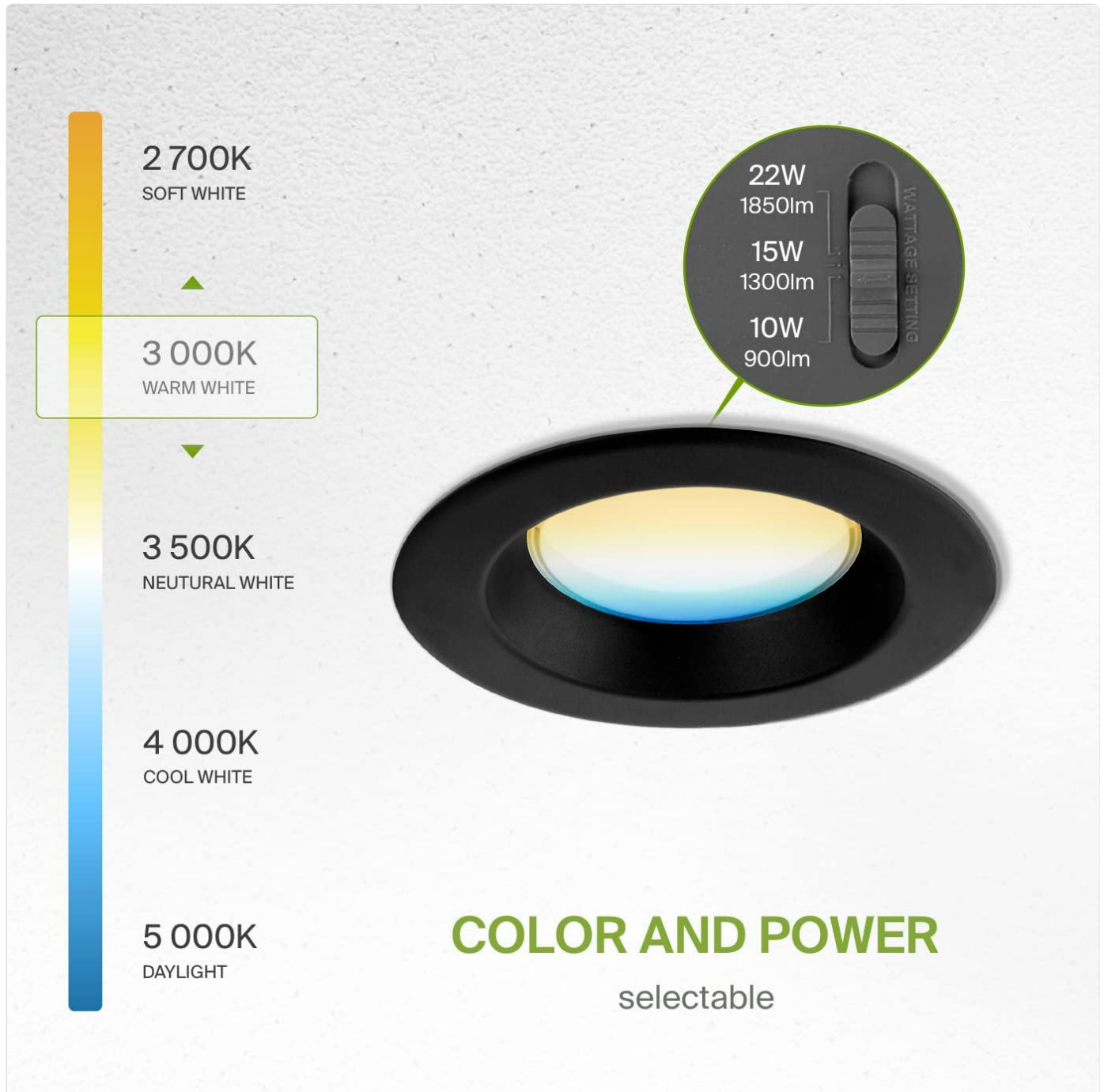
Image 7.1: Visual representation of the color and power selection switches on the downlight.

7.3 Dimming Functionality

This fixture is designed for 0-10V dimming. To utilize the dimming feature, you must connect it to a compatible 0-10V dimmable driver and control system. Standard residential dimmers (e.g., leading-edge or trailing-edge dimmers) are not

compatible with this fixture's dimming capabilities and may cause flickering or damage.

8. MAINTENANCE

The ASD LED Downlight requires minimal maintenance. Follow these guidelines to ensure its longevity and performance:

- **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 can damage the finish or electrical components.
- **Inspection:** Periodically inspect the fixture for any signs of damage, loose connections, or wear. If any issues are found, disconnect power and consult a qualified electrician or contact customer support.
- **No User-Serviceable Parts:** The LED light source is integrated and not user-replaceable. Do not attempt to open or repair the fixture.

9. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on	No power supply Loose wiring connection Faulty switch or circuit breaker	Check circuit breaker and wall switch. Verify all wire connections are secure (ensure power is off first). Test the circuit with another device.
Light flickers or dims unexpectedly	Incompatible dimmer switch Loose wiring Voltage fluctuations	Ensure you are using a 0-10V dimmable driver and compatible dimmer. Standard dimmers are not compatible. Check all wiring connections. Consult an electrician to check voltage stability.
Incorrect color temperature or brightness	CCT/Wattage switch set incorrectly	Turn off power, remove fixture, and adjust the CCT/Wattage switches to desired settings. Reinstall.
Light turns on slowly	Normal operation for some LED drivers	A slight delay (approx. 1 second) after flipping the switch is normal for some LED fixtures. If the delay is excessive, check power supply.

If the problem persists after attempting these solutions, please contact ASD customer support for assistance.

10. WARRANTY AND SUPPORT

ASD provides a **5-year warranty** for this LED Commercial Canless Downlight, guaranteeing top quality products and safety. This warranty covers defects in materials and workmanship under normal use and service.

For warranty claims, technical support, or any questions regarding your product, please contact ASD customer support. Our team is committed to responding to your concerns within 24 hours.
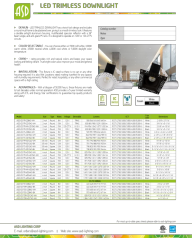
Contact Information:
Please refer to the ASD official website or your purchase documentation for the most current customer support contact details.

Certifications:
This product is UL and ENERGY STAR certified, ensuring high standards of safety and energy efficiency.

Related Documents - A-CDL7-6DA22AC-BK-8p

[ASD LED Trimless Downlight - Product Specifications, Installation, and Ordering Guide](#)
Comprehensive guide to ASD LED Trimless Downlights, covering product features, detailed specifications, installation instructions, and ordering information. Features include color-selectable CCT, high CRI, IC and Wet Location ratings, and long lifespan.

[ASD LED Downlight Retrofit Kit: Color Selectable, Dimmable, Energy Efficient Lighting](#)
Discover the ASD LED Downlight Retrofit Kit, featuring classic design, 5CCT color selectable options, smooth dimming, and easy installation. Ideal for wet locations, with a 50,000-hour lifespan and UL certification. Explore specifications and ordering information.

[ASD LED Wall Sconce | Modern Design, Color Selectable, Dimmable Lighting](#)
Explore the ASD LED Wall Sconce (Model ASD-LWS-11-D15CC series) for modern, energy-efficient lighting. Features color-selectable CCT, TRIAC dimming, 50,000-hour lifespan, ETL & Energy Star certification.

[ASD LED Round Downlight with Junction Box - Product Specifications and Installation Guide](#)
Detailed specifications, features, and installation instructions for the ASD LED Round Downlight with Junction Box. Learn about its design, energy efficiency, certifications, and ordering information.

[ASD LED Outdoor Wall Sconce: Modern, Color Selectable, Photocell Lighting](#)
Explore the ASD LED Outdoor Wall Sconce, featuring a modern design, clear seeded glass, 180° beam angle, and triac dimming. Offers color-selectable CCT (3000K/4000K/5000K) and a built-in dusk-to-dawn photocell. Rated for Wet Locations, durable, with a 50,000-hour lifespan and 5-year warranty. ETL certified.

[ASD New Construction Flat Mounting Plate Installation Guide and Specifications](#)
Comprehensive guide to the ASD New Construction Flat Mounting Plate, detailing its design, application, specifications, package contents, and installation steps for LED recessed lighting. Includes product legend and ordering information.