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**acegoo A12V-RM-CL**

# acegoo 2.75" 12V LED Ceiling Light User Manual

Model: A12V-RM-CL

## 1. Safety Information

Please read all safety instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Voltage Compatibility:** This product is designed for 12V DC systems only. Do not connect to 120V AC or any other voltage supply.
- **Correct Polarity:** Ensure correct wiring polarity (Black wire to positive (+), White wire to negative (-)). Incorrect polarity will prevent the light from functioning.
- **Power Disconnection:** Always disconnect power to the circuit before installing, servicing, or cleaning the light fixture.
- **Professional Installation:** If you are unsure about electrical wiring, consult a qualified electrician or RV technician.
- **Indoor Use Only:** This light fixture is intended for indoor use in RVs, campers, boats, and similar 12V DC applications.
- **Heat Dissipation:** Ensure adequate space around the fixture for proper heat dissipation. Do not cover the light with insulating materials.

## 2. Product Overview

The acegoo 2.75" 12V LED Ceiling Light is a slim, recessed puck light designed for interior lighting in recreational vehicles, boats, and other 12V DC environments. It features high color rendering (CRI 90+) for accurate color representation and is compatible with acegoo 12V dimmers for adjustable brightness.




Image: acegoo 12V Recessed LED Puck Lights installed in an RV ceiling.

## Key Features:

- **Ultra Slim Design:** Only 1/2" thick, ideal for limited headroom.
- **High CRI 90+:** Provides crisp, cozy lighting with true color rendering.
- **Dimmable:** Compatible with acegoo 12V dimmers for 0-100% stepless dimming (dimmer sold separately).
- **Flush Mount:** Recessed installation for a clean, modern appearance.
- **Energy Efficient:** Low power consumption to save battery life.
- **Durable Construction:** Full aluminum bezel and stainless steel spring clips for sturdiness and shock resistance.




Image: Detailed view of the acegoo LED puck light components, highlighting the aluminum bezel, stainless steel clips, and frosted lens.

### What's in the Box:

- acegoo 2.75" 12V LED Ceiling Light(s)
- Mounting Hardware

Your browser does not support the video tag.

Video: An official acegoo video demonstrating the RV LED Recessed Ceiling Light in various settings, showcasing its illumination and slim profile.

## 3. Setup and Installation

Follow these steps for proper installation of your acegoo 12V LED Ceiling Light.

1. **Prepare the Installation Area:** Ensure the mounting surface is clean and free from obstructions. Disconnect all power to the circuit where the light will be installed.

2. **Create the Cutout:** Using a 2-1/4" (57mm) hole saw, carefully cut a circular hole in the desired mounting location.
3. **Wire Connection:** Feed the light's wires through the cutout. Connect the**Black wire** to your 12V DC positive (+) power supply and the **White wire** to your 12V DC negative (-) power supply. Ensure connections are secure and insulated.
4. **Insert the Light:** Gently push the spring clips on the sides of the light upwards and insert the light fixture into the cutout. The spring clips will secure the light firmly in place against the ceiling.
5. **Test:** Restore power to the circuit and test the light's functionality.




Image: Visual guide for quick recessed mounting, showing the required 2-1/4" cutout and how the light fits.




Image: Detail of the solid stainless steel spring clips, designed for secure and vibration-proof mounting.

Your browser does not support the video tag.

Video: An official acegoo video demonstrating the installation steps for the RV Slim Ceiling Light, from cutout to final placement.

## 4. Operating Instructions

The acegoo 12V LED Ceiling Light operates with a standard 12V DC switch. For dimming functionality, a compatible acegoo 12V dimmer switch (sold separately) is required.

- **On/Off Control:** Use your existing 12V DC switch to turn the light on or off.
- **Dimming (with compatible dimmer):** If you have installed an acegoo 12V dimmer switch, you can adjust the brightness from 0% to 100% by operating the dimmer control. Refer to your dimmer switch's manual for specific operating instructions.




Image: Illustration of the smooth dimming capability when paired with acegoo press or rotary dimmer switches.

## 5. Maintenance

The acegoo 12V LED Ceiling Light requires minimal maintenance.

- **Cleaning:** To clean the light fixture, ensure power is off. Wipe the surface with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or lens.
- **No User-Serviceable Parts:** This fixture contains no user-serviceable parts. Do not attempt to open or repair the unit, as this will void the warranty.

## 6. Troubleshooting

If you experience issues with your acegoo 12V LED Ceiling Light, refer to the following common troubleshooting steps:

- **Light Does Not Turn On:**

- Check if the 12V DC power supply is active.
- Verify that the wiring connections are secure and correct (Black to +, White to -).
- Ensure the switch is in the 'ON' position.
- If using a dimmer, ensure it is properly connected and not set to the lowest (off) setting.

- **Light Flickers or Dims Unexpectedly:**
  - Check for stable 12V DC input voltage. Voltage fluctuations can cause flickering.
  - Ensure the dimmer (if used) is compatible and correctly wired.
  - Inspect wiring for loose connections.
- **Light is Not as Bright as Expected:**
  - If using a dimmer, ensure it is set to maximum brightness.
  - Verify the input voltage is consistently 12V DC.

If problems persist after trying these steps, please contact acegoo customer support.

## 7. Specifications

| Feature | Specification |
|---|---|
| Brand | acegoo |
| Model Number | A12V-RM-CL |
| Input Voltage | 12V DC |
| Wattage | 2.5 Watts |
| Brightness | 215 Lumens |
| Color Temperature | 3000 Kelvin (Warm White) |
| Color Rendering Index (CRI) | 90+ |
| Light Fixture Form | Recessed |
| Mounting Type | Ceiling Mount (Flush Mount) |
| Cutout Hole Size | 2-1/4" (57mm) |
| Item Dimensions (D x H) | 2.75" x 0.62" |
| Material | Aluminum, Polycarbonate |
| Control Method | Switch (App control not applicable for this model) |
| Special Features | Dimmable, CRI>90, Recessed Mount, Shock Resistant |
| Indoor/Outdoor Usage | Indoor |

## 8. Warranty and Support

This acegoo product comes with a manufacturer's warranty.

- **Warranty Period:** 18 months from the date of purchase.

- **Warranty Coverage:** Covers defects in materials and workmanship under normal use.
- **Customer Support:** For warranty claims, technical assistance, or any questions regarding your product, please contact acegoo customer service directly through their official website or the retailer where the product was purchased.

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