

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [JESLED](#) /

› [JESLED 4FT T8 LED Tube Light Instruction Manual \(Model JDN0413TCDW\)](#)

JESLED JDN0413TCDW

JESLED 4FT T8 LED Tube Light Instruction Manual

Model: JDN0413TCDW

1. INTRODUCTION

Thank you for choosing the JESLED 4FT T8 LED Tube Light. This product is designed to provide high-efficiency, bright, and long-lasting illumination for various applications. This manual provides essential information for safe installation, operation, and maintenance of your LED tube lights. Please read these instructions thoroughly before installation and retain them for future reference.

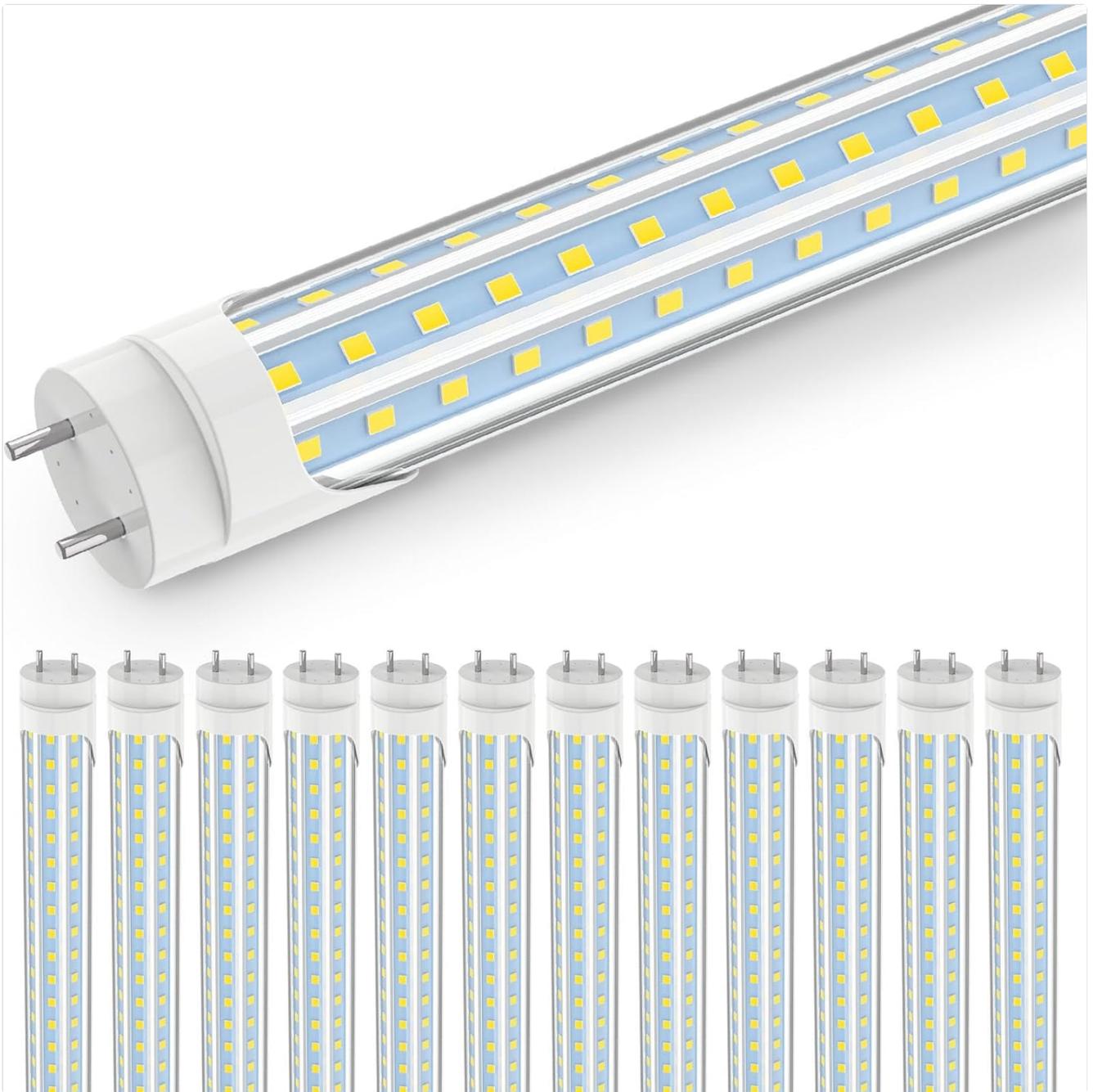


Image 1.1: JESLED 4FT T8 LED Tube Light, showcasing the G13 base and LED array.

2. SAFETY INFORMATION

To prevent electric shock, fire, or personal injury, always follow basic safety precautions when installing or using this product. This product should be installed by a qualified electrician in accordance with the National Electrical Code and local codes and ordinances.

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation or servicing.
- **WARNING:** Risk of fire. Do not install this product in a fixture that is not designed for its use.
- Ensure the voltage supplied to the fixture is compatible with the LED tube light (110V).
- Do not attempt to modify or disassemble the LED tube light.
- Avoid looking directly into the light source when illuminated, as it may cause eye strain.
- Keep away from flammable materials.

3. PRODUCT FEATURES

- **Ultra-Bright 5200LM Output:** Provides powerful illumination, consuming only 40W while delivering light equivalent to a 96W traditional tube.
- **6000K Cool White Color:** Enhances clarity with a cool white light, offering higher shadow contrast suitable for tasks requiring color accuracy.
- **Innovative D-Shape Design:** Features a triple-row of premium LEDs for 300-degree wide-angle coverage, ensuring uniform brightness without shadows or dark spots.
- **Dual-Mode (Type A+B) Installation:** Compatible with both plug-and-play (with existing ballasts) and direct AC wiring (ballast bypass) for flexible setup.
- **50,000-Hour Long Lifespan:** Designed for extended operation with zero flicker or hum, suitable for 24/7 use in various environments.



Image 3.1: Key specifications of the JESLED 4FT T8 LED Tube Light.



BRIGHTER MORE ENERGY-EFFICIENT

The **D-shaped** triple-row LED chips ensure 300-degree beam coverage.

Image 3.2: Illustration of the D-shaped design providing wide-angle illumination.

4. SPECIFICATIONS

| Attribute | Value |
|---------------------------------|--------------------------|
| Brand | JESLED |
| Model Name | JDN0413TCDW |
| Light Type | LED |
| Wattage | 40 watts |
| Incandescent Equivalent Wattage | 96 Watts |
| Brightness | 5200 Lumens |
| Color Temperature | 6000 Kelvin (Cool White) |

| | |
|------------------|---|
| Bulb Shape Size | T8 |
| Bulb Base | G13 |
| Voltage | 110V |
| Beam Angle | 300 Degrees |
| Average Life | 50,000 Hours |
| Material | Aluminum |
| Special Features | Energy Efficient, Eye-Friendly, Flicker-Free, High Efficiency |

5. INSTALLATION INSTRUCTIONS

The JESLED T8 LED Tube Light supports dual-mode installation (Type A+B), allowing for both plug-and-play with existing electronic ballasts or direct wiring (ballast bypass). Always ensure power is disconnected before beginning any installation.

5.1. General Pre-Installation Steps

1. Turn off power at the circuit breaker or fuse box.
2. Remove the existing fluorescent tube(s) from the fixture.
3. Identify the type of installation required: Type A (Plug & Play) or Type B (Ballast Bypass).

EASY INSTALLATION

Plug & Play or Ballast Bypass



Please note:

This set of tube light does not include the base.

Image 5.1: Easy installation of the LED tube light.

5.2. Type A Installation (Plug & Play with Ballast)

This method allows the LED tube to work with your existing electronic ballast without rewiring. Ensure your ballast is compatible (refer to the compatibility list below).

1. Confirm the fixture has a compatible electronic ballast.
2. Insert the JESLED T8 LED tube light into the existing fixture sockets.
3. Ensure the tube is firmly seated in the holders.
4. Restore power and test the light.

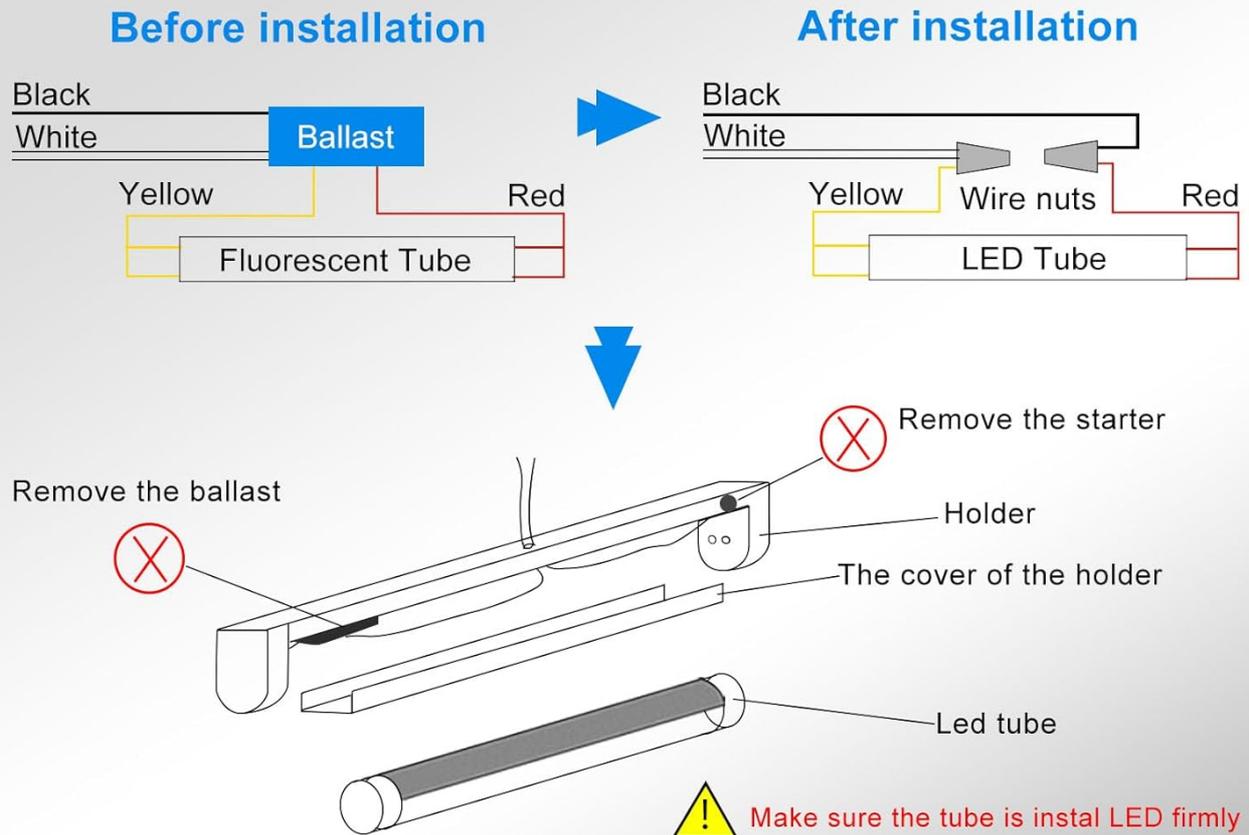
5.3. Type B Installation (Ballast Bypass / Direct Wire)

This method requires removing the existing ballast and directly wiring the fixture to AC power. This provides maximum energy savings and eliminates ballast-related issues.

1. **Disconnect Power:** Ensure power to the fixture is OFF at the circuit breaker.
2. **Remove Ballast:** Open the fixture and locate the ballast. Cut all wires connected to the ballast and remove it.
3. **Remove Starter (if present):** If your fixture has a starter, remove it.

4. **Rewire the Fixture:** The JESLED T8 LED tube light is double-end powered. Connect the live (black) wire from the AC power to the pins on one end of the fixture's tombstone sockets. Connect the neutral (white) wire from the AC power to the pins on the other end of the fixture's tombstone sockets. Use wire nuts to secure all connections.
5. **Install LED Tube:** Insert the LED tube light into the rewired fixture sockets. Ensure it is firmly seated.
6. **Restore Power:** Turn the power back on at the circuit breaker and test the light.

INSTALLATION INSTRUCTIONS



WARNING:

Type A+B hybrid tubes can be installed with or without ballasts, using single-end or double-end connections. For ballast-equipped fixtures, check our compatibility list (next image).

Image 5.2: Wiring diagram for Type B (Ballast Bypass) installation.

5.4. Ballast Compatibility List (for Type A Installation)

For Type A (Plug & Play) installation, it is crucial to verify your existing ballast is compatible. Using an incompatible ballast may cause damage or improper operation. The following is a partial list of compatible ballasts. If your ballast is not listed, consider Type B (Ballast Bypass) installation.

BALLAST LIST FOR T8 LED TUBE

| | | | |
|---|--|--|--|
| ACT ACT3P32ISUNVE ATC4P32ISUNVE | GE232MAX-G-N GE232MAX-G-N-DIYB GE432MAX-G-N GE259MAX-G-N-DIYB GE432MAXG-N-DIYL GE132-MVPS-H GE232-120RES-B GE-132-MV-N GE332MAX-G-H GE132MAX-G-347 GE432MAXP347-N GE232MAX-G-N-DIYL GE-232-MV-N GE132MAXP-L/ULTRA | OSRAM SYLVANIA QTP4X32T8/UNV ISN-SC QHE 2X32T8/UNV PSN-MC QTP2X32T8/UNV ISN-SC QTP 3X32T8/UNV ISN-SC QHE2X32T8/UNV ISN-SC QHE 4X32T8/UNV ISN-SC QHE4XLED32T8/UNV ISN-SC QHE 3XLED32T8/UNV ISN-SC QHE2X59T8/UNV ISL-SC QHE 1X32T8/UNV ISN-SC QHE1X32T8/UNV ISL-SC | SUNLITE 40155-SU.SB/232/MV ULTRASAVE UT 232347 UNIVERSAL B432IUNVHE-A B232IUNVHP-N B232IUNVHP-N B432IUNVHP-A B432PUNVHE-A B232PUNVHE-B B332IUNVHP-A B432IUNVHE-A B332IUNVEL-A QHE 3X32T8/UNV ISH HT-SC B232IUNVHEH-A B332IUNVHE-A |
| DAMAR 3654C 1688B 1688D | HALCO EP2/32IS/MV/MC/HE EPL2/32IS/MV/MC/HE EPH4/32IS/MV/SC/HE EP232IS/MV/HE EP432IS/MV/MC/HE EP432ISUNVE EP332IS/MV/HE EP4/32IS/MVMC/HE EP432IS/L/MV/HE EPL4/32IS/MV/MC/HE | PHILIPS ADVANCE IOP-2P59-N ICN-1P32-N ICN-2P32-N ICN-3P32-N ICN-4P32-N IOP-2PSP32-N REZ-2S32-SC IOPA-2P32-LW-N IOP-4PSP32-SC IOPA-2P32-N IOPA-3P32-N IOPA-4P32-N | Tips : These tubes only work with the listed ballasts. Using un-listed ballasts may cause damage or losses. |
| EIKO PM-2X32T8-UNV-IS | KEYSTONE KTEB-432-UV-IS-N-P KTEB-332-UV-IS-N-P KTEB-232-UV-IS-N-P KTEB-126-1-TP-LC/A KTEB-232-UV-IS-N-P | PLUSRITE BAF232IS/MV BAF332IS/MV ROBERTSON ISL432T8HEMV3P20160 | |
| ESPEN VE2P32MVHIPE11068 VE2P32MVHIPHE11069 VE2P32MVHPPE11080 VE4P32MVHPPE11086 VE3P32MVHIPE11070 VE4P32MVHIPE11072 VE432120MIP EPL3/32IS/MV/SC/HE VE3P32MVHPPE11083 VE332MVHIPE VE3P32MVHIPE11056 VE232MVHIPE VEL-4P32-SC | | | |
| GE GE259MAX-G-N GE132MAX-H/Ultra GE232-MV-N GE332MAX-G-N-DIYB GE332MAX-G-N | | | |

Image 5.3: Partial list of compatible ballasts for Type A installation.

5.5. Installation Video Guide

For a visual guide on installation and product features, please refer to the video below:

Your browser does not support the video tag.

Video 5.1: JESLED Product Overview and Installation Demonstration. This video provides a general overview of JESLED products and includes a brief demonstration of LED tube light installation.

6. OPERATING INSTRUCTIONS

Once properly installed, operating the JESLED T8 LED Tube Light is straightforward:

- **Power On/Off:** Use the standard wall switch connected to the fixture to turn the light on or off.
- The LED tube lights provide instant full brightness with no warm-up time or flickering.

7. MAINTENANCE

The JESLED T8 LED Tube Light requires minimal maintenance due to its long lifespan and durable construction.

- **Cleaning:** Ensure the power is off before cleaning. Use a soft, dry, or slightly damp cloth to wipe the surface of the tube. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the tube and fixture for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.
- **Replacement:** Due to the long lifespan, replacement is infrequent. When replacement is necessary, ensure power is off and follow the installation instructions for safe removal and replacement.

8. TROUBLESHOOTING

If you encounter issues with your JESLED T8 LED Tube Light, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|--|---|
| Light does not turn on | No power to the fixture; Loose connection; Incompatible ballast (Type A); Incorrect wiring (Type B); Damaged tube. | Check circuit breaker/fuse; Ensure tube is firmly seated; Verify ballast compatibility or wiring; Replace tube if damaged. |
| Light flickers or blinks | Incompatible or failing ballast (Type A); Loose connection; Voltage fluctuations. | For Type A, check ballast compatibility or consider ballast bypass (Type B) installation; Check connections; Consult an electrician for voltage issues. |
| Light is dim | Incompatible ballast (Type A); Incorrect voltage. | For Type A, check ballast compatibility; Verify correct voltage supply. |
| Ballast gets hot and shuts off (Type A) | Incompatible ballast. | This indicates the ballast is not compatible. It is recommended to perform a Type B (Ballast Bypass) installation to prevent damage to the ballast and ensure proper operation of the LED tube. |

9. APPLICATIONS

The JESLED 4FT T8 LED Tube Light is suitable for a wide range of indoor applications requiring bright, efficient, and consistent lighting.

ONE SOLUTION FOR MORE SETTINGS

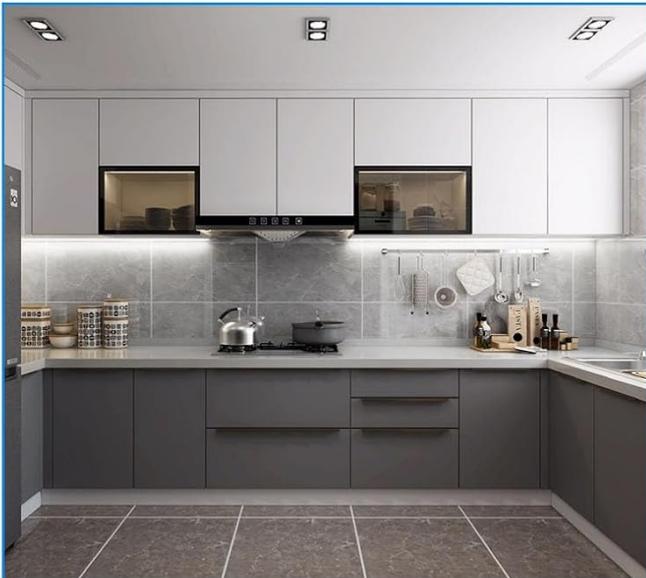
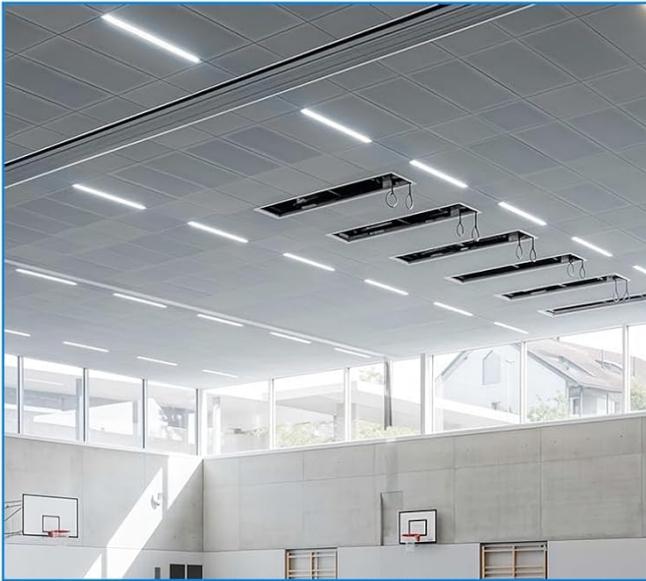


Image 9.1: Examples of JESLED LED tube lights in different environments.

EXPERIENCE REMARKABLE ILLUMINATION



Image 9.2: JESLED LED tube lights providing illumination in an office setting.

10. WARRANTY AND SUPPORT

JESLED stands behind the quality of its products.

- **Warranty:** This product is backed by a 3-year manufacturer's warranty.
- **Exchange Service:** A 30-day exchange service is provided.
- **Customer Support:** JESLED offers 7*24H after-sales service. For any inquiries or support needs, please contact JESLED customer service.
- **Certifications:** This product is ETL certified, ensuring compliance with North American safety standards.

Related Documents - JDN0413TCDW

| | |
|---|---|
|  | <p>JESLED T8 4FT LED Tube User Manual: Dual-End Power Installation Guide</p> <p>User manual for installing JESLED T8 4FT LED tubes. Provides step-by-step instructions for safely bypassing ballasts and wiring fixtures for dual-end power LED installation. Includes company profile and FCC compliance information.</p> |
|  | <p>Battery Operated Wall Sconce User Manual - JD0486AGN</p> <p>User manual for the Battery Operated Wall Sconce, Model JD0486AGN, providing setup, operation, and troubleshooting information.</p> |
|  | <p>JESLED Lampada da Parete Solare con Sensore: Manuale d'Uso e Specifiche</p> <p>Manuale completo per la lampada da parete solare JESLED con sensore. Include specifiche tecniche, modalità di funzionamento, installazione, telecomando e certificazione FCC.</p> |
|  | <p>JESLED Solar Wall Light with Sensor User Manual</p> <p>Comprehensive user manual for the JESLED Solar Wall Light with Sensor, detailing features, specifications, operating modes, installation, and safety information.</p> |
|  | <p>JESLED Solar Motion Light: User Manual, Specifications, and Installation Guide</p> <p>Comprehensive user manual for the JESLED Solar Motion Light, detailing its specifications, features, working modes, installation instructions, and important safety precautions. Includes FCC compliance information.</p> |
|  | <p>JESLED Solar Motion Light User Manual and Installation Guide</p> <p>Comprehensive guide for the JESLED Solar Motion Light, detailing specifications, features, operating modes, installation instructions, and important safety precautions. Learn how to install and use your solar-powered motion light efficiently.</p> |