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- › [JESLED](#) /
- › JESLED T8 LED Tube Lights 4Ft Instruction Manual

JESLED SWT80024A1120

JESLED T8 LED Tube Lights 4Ft Instruction Manual

Model: SWT80024A1120 | Brand: JESLED

[Installation](#) [Operation](#) [Maintenance](#) [Overview](#) [Safety Information](#) [Troubleshooting](#) [Setup & Specifications](#) [Warranty & Support](#)

1. OVERVIEW

The JESLED T8 LED Tube Lights are designed as a versatile and energy-efficient replacement for traditional T8, T10, and T12 fluorescent bulbs. These 4-foot (48-inch) LED tubes feature a G13 Bi-Pin Base and offer dual installation options: Plug & Play with an existing ballast (Type A) or Ballast Bypass (Type B) for direct wiring. Each 14W bulb provides 2450 lumens of 5000K daylight white illumination, offering significant energy savings and a long lifespan of over 50,000 hours.



Image 1.1: Comparison highlighting the shatter-resistant design of JESLED LED tubes versus fragile fluorescent tubes.

2. SAFETY INFORMATION

Please read and understand all instructions before installation or use. Failure to follow these instructions may result in electric shock, fire, or other hazards. Keep this manual for future reference.

- **WARNING: Risk of Electric Shock.** Disconnect power at the fuse or circuit breaker before installation or servicing.
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Do not use with dimmers unless explicitly stated as compatible.
- Ensure the voltage supply is compatible with the bulb's requirements (100-277V AC).
- Do not look directly at the operating LED light source.
- Do not bend or apply excessive force to the tube light.
- For indoor use only.

3. SETUP & INSTALLATION

JESLED T8 LED Tube Lights offer two installation methods: Type A (Plug & Play) and Type B (Ballast Bypass). Both methods allow for single-ended or double-ended connection.

3.1. Installation Options Overview

ALL IN ONE LED TUBE SOLUTIONS
Residential & Commercial

Type A/B
Application
Ballast bypass or plug & play

100-277
Volt
Multi Volt Option

Shatter
Resistant
Durable & Safe

240°
Beam
Angle
More Coverage Less Lights

Image 3.1: Overview of Type A+B installation flexibility and product features.

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

This method utilizes your existing fluorescent fixture's ballast. It is the simplest installation as it requires no rewiring. Ensure your ballast is compatible with LED tubes. Refer to the ballast compatibility list below.

1. **Turn off power:** Disconnect power to the fixture at the circuit breaker.
2. **Remove old fluorescent tubes:** Carefully twist and remove the existing fluorescent tubes from the fixture.
3. **Insert LED tubes:** Align the pins of the JESLED T8 LED tube with the sockets (tombstones) in the fixture. Push firmly and twist to secure.
4. **Restore power:** Turn on power at the circuit breaker. The LED tubes should light up instantly.

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

This method bypasses the existing ballast, connecting the LED tubes directly to the main power supply. This eliminates ballast maintenance and further improves energy efficiency. This installation should be performed by a licensed electrician.

1. **Turn off power:** Disconnect power to the fixture at the circuit breaker.
2. **Remove old fluorescent tubes and ballast:** Carefully remove the existing fluorescent tubes. Then, disconnect and remove the ballast from the fixture.
3. **Rewire the fixture:** Connect the live (L) and neutral (N) wires directly to the lamp holders (tombstones) according to the diagram provided. These tubes support both single-ended and double-ended wiring configurations.
4. **Insert LED tubes:** Align the pins of the JESLED T8 LED tube with the rewired sockets. Push firmly and twist to secure.
5. **Restore power:** Turn on power at the circuit breaker. The LED tubes should light up instantly.

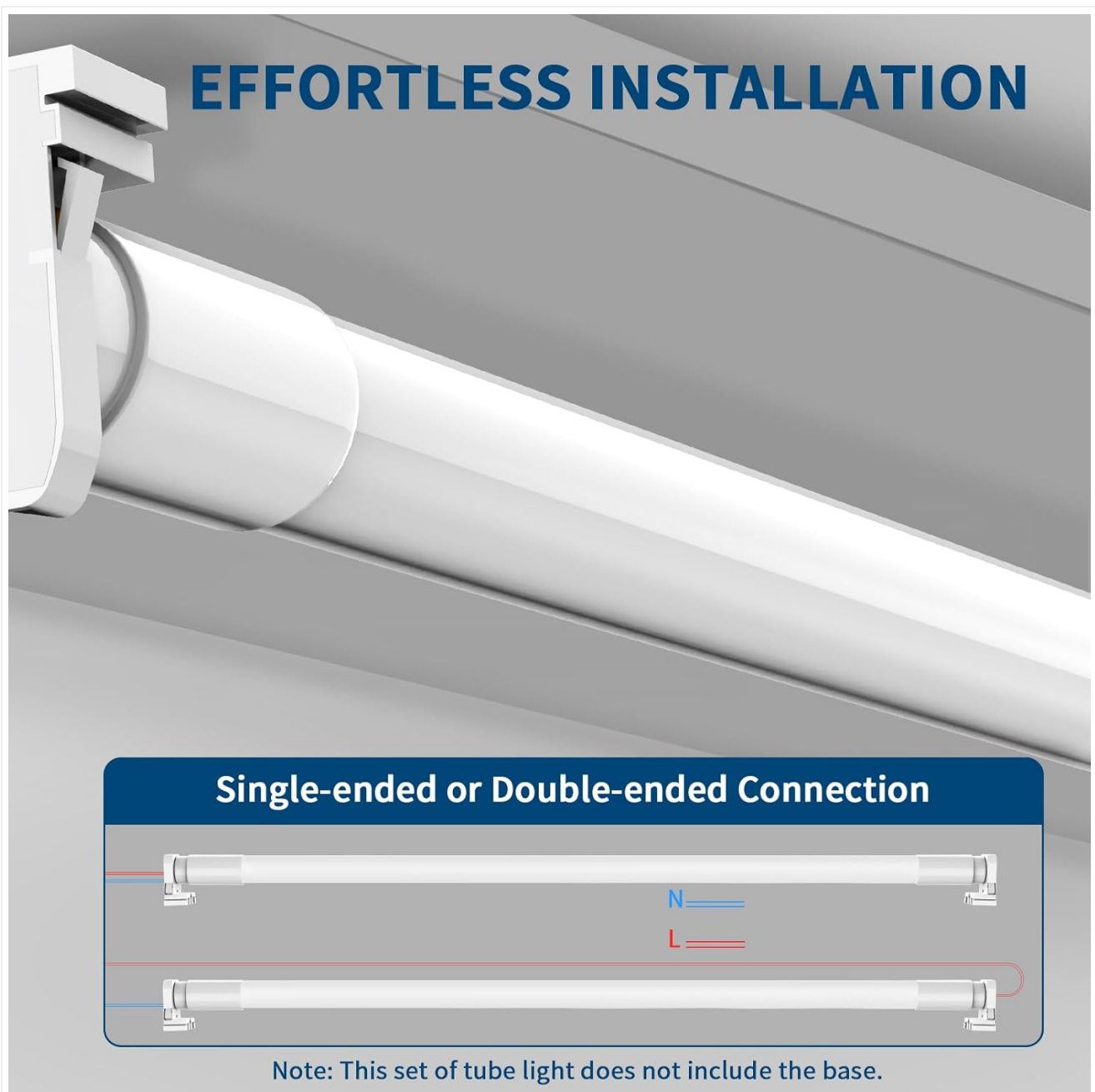
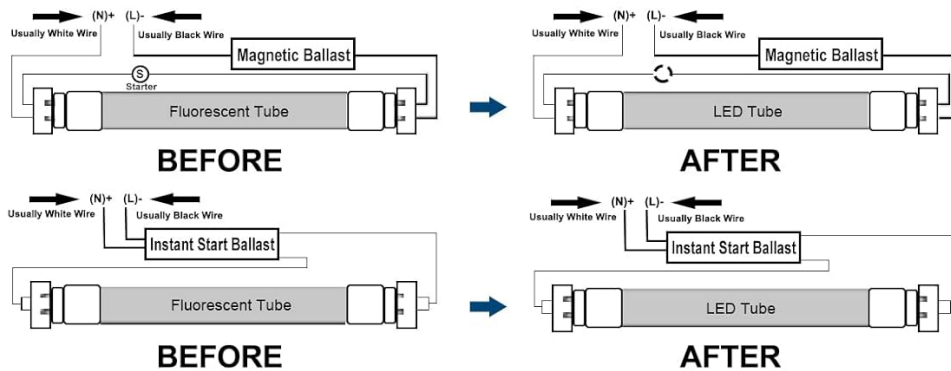


Image 3.2: Single-ended or Double-ended connection options.

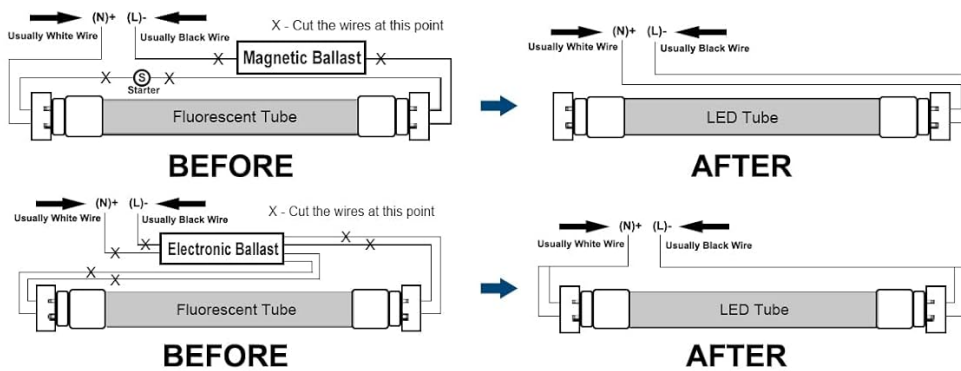
TYPE A+B INSTALLATION

Plug & Play | Ballast Bypass

TYPE-A INSTALLATION PLUG AND PLAY WITH BALLAST



TYPE-B INSTALLATION REMOVE BALLAST (DIRECT WIRE)



JESLED If installing in fixtures with a ballast, please ensure your ballast is listed on our compatible ballast list (**next image**). T8 4Foot Type A+B LED light bulbs can be installed with a ballast (Plug & Play) or without a ballast (BALLAST BYPASS), and also have both single and double-ended connection compatibility.

Image 3.3: Detailed wiring diagrams for Type A and Type B installations.

3.4. Ballast Compatibility List (for Type A Installation)

If installing in fixtures with a ballast (Plug & Play), please ensure your ballast is listed below. JESLED is not liable for any damages or losses incurred by not following these instructions. These tubes should be installed by a licensed electrician.

BALLAST LIST FOR T8 LED TUBE

ACT

ACT3P32ISUNVE
ATC4P32ISUNVE

DAMAR

3654C
1688B
1688D

EIKO

PM-2X32T8-UNV-IS

ESPEN

VE2P32MVHIPE11068
VE2P32MVHIPHE11069
VE2P32MVHPPE11080
VE4P32MVHPPE11086
VE3P32MVHIPE11070
VE4P32MVHIPE11072
VE432120MIP
EPL3/32IS/MV/SC/HE
VE3P32MVHPPE11083
VE332MVHIPL
VE3P32MVHIPL11056
VE232MVHIPL
VEL-4P32-SC

GE

GE259MAX-G-N
GE132MAX-H/Ultra
GE232-MV-N
GE332MAX-G-N-DIYB
GE332MAX-G-N

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

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

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

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

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

PLUSRITE

BAF232IS/MV
BAF332IS/MV

ROBERTSON

ISL432T8HEMV3P20160

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

Tips: These tubes are compatible with the ballasts listed here. If you intend to install this tube with any ballast not listed below, risk of damage or losses may occur. JESLED is not liable for any damages or losses incurred by not following these instructions.

These tubes should be installed by a licensed electrician.

Image 3.4: Ballast compatibility list for JESLED T8 LED Tube Lights.

3.5. Installation Video

Your browser does not support the video tag.

Video 3.1: Official JESLED video demonstrating the installation process for 4FT LED Tube Lights.

4. OPERATION

Operating the JESLED T8 LED Tube Lights is straightforward once installed.

1. **Power On/Off:** Use the wall switch or pull chain connected to your fixture to turn the lights on or off.
2. **Instant Illumination:** Unlike traditional fluorescent bulbs, JESLED LED tubes provide instant full brightness without flickering or warm-up time.

5. MAINTENANCE

JESLED T8 LED Tube Lights require minimal maintenance due to their long lifespan and durable construction.

- **Cleaning:** Ensure power is off before cleaning. Use a soft, dry, or slightly damp cloth to wipe the surface of the

tube. Do not use harsh chemicals or abrasive cleaners.

- **Inspection:** Periodically check the tubes and fixture for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.
- **Replacement:** With a lifespan of over 50,000 hours, frequent replacement is not expected. When replacement is necessary, follow the installation steps in Section 3.

6. TROUBLESHOOTING

If your JESLED T8 LED Tube Lights are not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply.	Check circuit breaker and wall switch.
Light does not turn on.	Improper installation (loose connection).	Ensure tubes are securely seated in sockets. For Type B, verify wiring connections.
Light does not turn on (Type A).	Incompatible or faulty ballast.	Verify ballast compatibility (refer to Section 3.4). If incompatible or faulty, consider Type B installation or replacing the ballast.
Flickering light.	Incompatible ballast (Type A).	Ensure ballast is compatible. If flickering persists, consider Type B installation.
Flickering light.	Loose connection.	Check tube seating and wiring.

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

7. SPECIFICATIONS

The following table outlines the key specifications for the JESLED T8 LED Tube Lights:

PRODUCT SPECIFICATIONS



ENERGY-EFFICIENT



HIGH-BRIGHTNESS



**14W
WATTAGE**



**2450 LUMENS
BRIGHTNESS**



**100-277V AC
VOLTAGE**



**40W
REPLACEMENT**



**50,000+ HOURS
LIFESPAN**



**5000K
DAYLIGHT WHITE**



**NO MERCURY
NO NOISE**



**NO DELAY
INSTANT START**

Image 7.1: Summary of key product specifications.

Feature	Detail
Brand	JESLED
Model Name	SWT80024A1120
Light Type	LED
Wattage	14 Watts
Brightness	2450 Lumens
Color Temperature	5000 Kelvin (Daylight White)
Bulb Shape Size	T8
Bulb Base	G13 Bi-Pin
Voltage	100-277 Volts (AC)
Average Life	50,000+ Hours

Feature	Detail
Beam Angle	240 Degrees
Material	Aluminum, Polycarbonate (PC)
Special Features	Energy Efficient, High Efficiency, Long Lasting, Shatter Resistant, Shock Resistant
Indoor/Outdoor Usage	Indoor
Certification	ETL

8. WARRANTY & SUPPORT

JESLED stands behind the quality of its products.

- **Warranty:** This product comes with a 5-Year Warranty.
- **Care Plan:** A 36-Month Care Plan is provided.
- **Customer Service:** JESLED offers 7*24H After-sales Service and a 30-Day Exchange Service.

For any quality problems or support needs, please contact JESLED customer service directly. Refer to the product packaging or the official JESLED website for contact information.



Image 8.1: JESLED Customer Support information.