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> Lithonia Lighting SB 432 120 1/4 GESB Fluorescent Wraparound Fixture Instruction Manual

## Lithonia Lighting SB 432 120 1/4 GESB

# Lithonia Lighting SB 432 120 1/4 GESB Fluorescent Wraparound Fixture Instruction Manual

Model: SB 432 120 1/4 GESB

## 1. PRODUCT OVERVIEW

The Lithonia Lighting SB 432 120 1/4 GESB is a 4-foot, 4-light, 32-watt T8 fluorescent wraparound fixture designed for residential or light commercial applications. It features an electronic ballast and an acrylic prismatic lens. This fixture provides broad light distribution suitable for offices, schools, and corridors, and is UL Listed for damp locations.



Image 1: Overview of the Lithonia Lighting Square-Basket Fluorescent Wraparound Fixture.

## 2. SAFETY INFORMATION

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

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing.
- Installation must be performed by a qualified electrician in accordance with all national and local electrical codes.
- Ensure the supply voltage is 120 Volts AC.
- Do not install near combustible materials.
- This fixture is suitable for damp locations but not for direct water exposure.

- Do not attempt to modify the fixture.
- This fixture is not designed for dimming applications.

### 3. PRODUCT FEATURES

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- **Prismatic Lens:** Linear side prisms control brightness, and pyramidal bottom prisms minimize lamp image for uniform light distribution.
- **Easy Access:** Full end cap factory installed with a hinged diffuser that opens from either side for convenient cleaning and re-lamping.
- **Electronic Ballast:** Equipped with one 32W electronic ballast for efficient operation.
- **Mounting Versatility:** Designed for surface or stem mounting, allowing for individual or row installation.
- **Certifications:** UL Listed (standard), suitable for damp locations. Optional CSA or cUL, Mexico NOM.

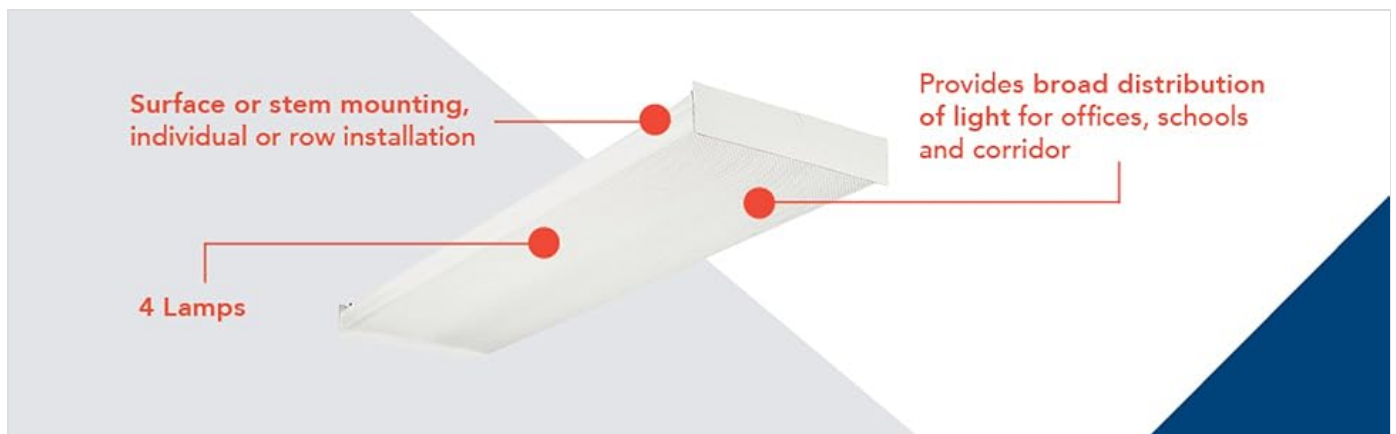


Image 2: Illustration of mounting options and light distribution capabilities.

### 4. PACKAGE CONTENTS

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The package includes:

- 1 x Lithonia Lighting SB 432 120 1/4 GESB Fluorescent Wraparound Fixture

**Note:** Fluorescent T8 bulbs (32-watt) and installation hardware (screws, wire nuts, etc.) are **not included** and must be purchased separately.

### 5. SETUP AND INSTALLATION

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Before beginning installation, ensure power is disconnected at the circuit breaker. This fixture is designed for surface or stem mounting.

1. **Prepare Mounting Location:** Identify the desired mounting location on the ceiling or wall. Mark the positions for mounting screws. Ensure the location can support the fixture's weight (approximately 12 pounds).
2. **Drill Holes:** Drill appropriate pilot holes for your mounting hardware. If replacing an existing fixture, align the new fixture with existing holes if possible, or create new ones.
3. **Secure Fixture:** Mount the fixture securely to the surface using appropriate screws and anchors (not included).
4. **Wiring:** Connect the fixture's electrical wires to the building's supply wires.
  - Connect the white wire from the fixture to the white (neutral) wire from the supply.
  - Connect the black wire from the fixture to the black (hot) wire from the supply.
  - Connect the green or bare copper ground wire from the fixture to the ground wire from the supply.

Use UL-listed wire nuts (not included) to secure all connections. Ensure all connections are tight and properly insulated.

5. **Install T8 Bulbs:** Open the hinged diffuser. Insert four 32-watt T8 fluorescent bulbs into the lamp holders. Ensure bulbs are seated correctly.
6. **Close Diffuser:** Close the hinged diffuser, ensuring it latches securely on both sides.
7. **Restore Power:** Once installation is complete and all connections are secure, restore power at the circuit breaker.



Image 3: Internal view of the fixture, illustrating bulb installation area.

## 6. OPERATION

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To operate the fixture, simply turn on the wall switch connected to the fixture's power supply. The electronic ballast provides instant-on functionality for the T8 fluorescent lamps.

- This fixture is designed for 120 Volt AC operation.
- Do not use with dimmer switches, as this fixture is not designed for dimming applications.

## 7. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your fixture.

- **Cleaning:** Disconnect power before cleaning. The hinged diffuser can be opened from either side for easy access. Clean the acrylic lens and metal housing with a soft, damp cloth. Avoid abrasive cleaners.
- **Bulb Replacement:** Disconnect power before replacing bulbs. Open the hinged diffuser. Carefully remove old T8 bulbs and insert new 32-watt T8 fluorescent bulbs. Ensure they are properly seated in the lamp holders. Close the diffuser securely.
- **Inspection:** Periodically inspect wiring and connections for any signs of wear or damage.

## 8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Fixture does not light up.	No power to the fixture. Faulty bulbs. Faulty ballast. Loose wiring connection.	Check circuit breaker and wall switch. Replace bulbs with new 32W T8 fluorescent bulbs. Contact a qualified electrician to inspect/replace the ballast. Disconnect power and check all wire connections.
Lights flicker or hum.	Old or incompatible bulbs. Ballast issue. Low voltage.	Replace bulbs. Ensure they are 32W T8. Contact a qualified electrician to inspect/replace the ballast. Consult an electrician to check supply voltage.
Fixture emits a slight electrical tingle when touched.	Improper grounding.	Immediately disconnect power. Have a qualified electrician inspect the grounding connection and overall wiring to ensure safety.

If problems persist after attempting these solutions, contact a qualified electrician or Lithonia Lighting customer support.

## 9. SPECIFICATIONS

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Feature	Detail
Brand	Lithonia Lighting

Feature	Detail
Model Number	SB 432 120 1/4 GESB
Dimensions (L x W x H)	48"L x 13.75"W x 2.88"H
Weight	12 Pounds
Voltage	120 Volts
Wattage	32 watts (per bulb, 4 bulbs total)
Light Source	Fluorescent (T8)
Number of Light Sources	4
Material	Acrylic (lens), Metal (housing)
Finish Type	White
Mounting Type	Surface, Suspended (Stem Mount)
Certifications	UL Listed, Suitable for damp locations
Ballast Type	Electronic
Brightness	11200 Lumen (total)

## 10. WARRANTY AND SUPPORT

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**Warranty:** This Lithonia Lighting fixture comes with a 1-year warranty on parts from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

**Customer Support:** For technical assistance, warranty claims, or replacement parts, please contact Lithonia Lighting customer service. Refer to the official Lithonia Lighting website for current contact information.

You can visit the [Lithonia Lighting Store on Amazon](#) for more product information.