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LEDONE 8FT LED Vapor Tight Light

LEDONE 8FT LED Vapor Tight Light Instruction Manual

Model: 8FT LED Vapor Tight Light (60W/80W/100W Tunable, 3500K/4000K/5000K Selectable)

1. INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your LEDONE 8FT LED Vapor Tight Light. Please read this manual thoroughly before installation and retain it for future reference. This fixture is designed for demanding environments requiring high resistance to water, dust, and corrosion, such as parking garages, car washes, cold storage, and industrial facilities.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power before installation or servicing.

- Installation must be performed by a qualified electrician in accordance with the National Electrical Code (NEC) and local codes.
- Ensure the supply voltage is compatible with the fixture's requirements (120-277Vac).
- Do not handle energized fixtures with wet hands or while standing on wet or damp surfaces.
- Do not attempt to modify or disassemble the fixture. There are no user-serviceable parts inside.
- Wear appropriate personal protective equipment (PPE) during installation.
- Ensure the fixture is securely mounted to prevent falling.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- LEDONE 8FT LED Vapor Tight Light Fixture
- Mounting Hardware (clips, screws, anchors)
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

4.1. Pre-Installation

1. **Turn off power:** Locate the circuit breaker or fuse box and turn off the power supply to the installation area. Verify power is off using a voltage tester.
2. **Unpack:** Carefully remove the fixture from its packaging. Inspect for any shipping damage.
3. **Select Wattage and Color Temperature (CCT):** Before mounting, adjust the wattage and CCT switches located on the fixture. These switches allow you to select between 60W, 80W, or 100W and 3500K, 4000K, or 5000K. Make your selection based on your lighting requirements.



Product Size

Multi Wattage Options: 60W, 80W and 100W

Multi CCT Options: 3,500K, 4,000K and 5,000K

Power Factor: 0.9, CRI: 80, THD: 20%, 120-277Vac

IP65 rated, 0-10V dimming, 110° beam angle

50,000 hours lifetime

Image: Product dimensions and location of wattage/CCT selection switches.

4.2. Mounting the Fixture

The fixture is designed for surface mounting. Use the provided mounting clips and hardware.

1. Mark the desired mounting locations on the ceiling or wall. Ensure the marks are level and spaced appropriately for the fixture's length.
2. Drill pilot holes at the marked locations. Insert wall anchors if mounting into drywall or masonry.
3. Secure the mounting clips to the surface using the provided screws.
4. Snap the LED vapor tight fixture into the mounted clips, ensuring it is firmly seated.



PC housing with white cover
FROSTED LENS
Surface mount

DLC/UL/NSF

Metal Latch

Linkable design



Image: Detail of the linkable design feature.

4.3. Electrical Wiring

This fixture supports 0-10V dimming. Follow the wiring diagram below and local electrical codes.

- Connect the **Black** wire from the fixture to the **Line (L)** wire from the power supply.
- Connect the **White** wire from the fixture to the **Neutral (N)** wire from the power supply.

- Connect the **Green** wire from the fixture to the **Ground (GND)** wire from the power supply.
- For 0-10V dimming: Connect the **Purple** wire from the fixture to the **Dim+** wire from the 0-10V dimmer. Connect the **Pink/Gray** wire from the fixture to the **Dim-** wire from the 0-10V dimmer.
- Ensure all connections are secure using appropriate wire connectors.

Note: If 0-10V dimming is not used, cap the purple and pink/gray wires individually with wire nuts.

5. OPERATING INSTRUCTIONS

1. **Power On:** Once installation and wiring are complete, restore power to the circuit at the breaker or fuse box. The fixture should illuminate.
2. **Dimming:** If connected to a compatible 0-10V dimmer, adjust the dimmer control to achieve the desired light output level.
3. **Wattage and CCT Adjustment:** Wattage and CCT are set via internal switches during installation. These are not typically adjusted during normal operation. If changes are needed, disconnect power before accessing the switches.

6. MAINTENANCE

The LEDONE Vapor Tight Light is designed for long-term, low-maintenance operation. Regular cleaning can help maintain optimal light output.

- **Cleaning:** Disconnect power before cleaning. Use a soft, damp cloth with a mild, non-abrasive cleaner to wipe the exterior of the fixture. Do not use harsh chemicals or abrasive pads, as these can damage the finish or lens.
- **Inspection:** Periodically inspect the fixture and mounting hardware for any signs of damage, loose connections, or wear. Address any issues promptly.
- **No User-Serviceable Parts:** The LED light source and driver are integrated components. Do not attempt to open or repair the fixture. Contact qualified personnel for any issues beyond basic cleaning and inspection.



Image: The IP65 waterproof rating ensures durability in wet conditions.

7. TROUBLESHOOTING

Before performing any troubleshooting, ensure power is disconnected at the circuit breaker.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Fixture does not illuminate.	No power supply. Incorrect wiring. Faulty fixture.	Check circuit breaker/fuse. Verify all wire connections are secure and correct. Contact customer support if wiring is correct and power is present.
Light output is too low or too high.	Incorrect wattage setting. Dimmer setting. Incompatible dimmer.	Verify wattage switch setting (power off). Adjust 0-10V dimmer. Ensure dimmer is 0-10V compatible.
Light flickers.	Loose wiring connection. Incompatible dimmer. Power fluctuations.	Check all wire connections. Ensure dimmer is 0-10V compatible. Consult an electrician to check power supply stability.

8. SPECIFICATIONS

Parameter	Value
Model	8FT LED Vapor Tight Light
Brand	LEDONE
Wattage	60W / 80W / 100W (Selectable)
Color Temperature (CCT)	3500K / 4000K / 5000K (Selectable)
Input Voltage	120-277Vac
Dimming	0-10V Dimmable
Lumen Output	Up to 11442 Lumens (at 100W)
Beam Angle	110°
Lifetime	50,000 hours
IP Rating	IP65 (Waterproof and Dust-tight)
Certifications	UL Listed, DLC Listed, NSF Listed
Housing Material	PC Housing with White Cover
Lens Material	Frosted PC
Dimensions (L x W x H)	95.98" x 2.61" x 2.42" (2438mm x 66.4mm x 61.4mm)



Seoul 2835 LED Chips

110° BEAM ANGLE

50,000 HOURS LIFETIME

DLC/UL/NSF

Image: Key features and certifications of the LEDONE Vapor Tight Light.

9. WARRANTY INFORMATION

LEDONE products are manufactured to high quality standards. This product comes with a standard manufacturer's warranty. Please refer to the product packaging or the official LEDONE website for specific warranty terms and conditions. Keep your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue, please contact LEDONE customer support:

- **Website:** [Visit the LEDONE Store on Amazon](#) (for general inquiries)
- **Email:** Refer to product packaging or official website for direct support email.
- **Phone:** Refer to product packaging or official website for direct support phone number.

Please have your product model number (8FT LED Vapor Tight Light) and proof of purchase ready when contacting support.