HYPERLITE HP-HB-AJ01

HYPERLITE 4FT LED Vapor Tight Light Fixture

Model: HP-HB-AJ01 - Instruction Manual

1. PRODUCT OVERVIEW

The HYPERLITE 4FT LED Vapor Tight Light Fixture, Model HP-HB-AJ01, is designed for demanding environments requiring robust and efficient lighting. This fixture offers selectable wattage and color temperature options, providing versatility for various applications. Its sealed construction ensures protection against dust, moisture, and water spray.

Key Features:

- **Selectable Wattage:** Choose between 45W, 55W, or 65W to adjust brightness and energy consumption.
- **Selectable Color Temperature:** Adjust between 4000K (Neutral White), 5000K (Daylight White), and 6000K (Cool White).
- **High Brightness:** Delivers up to 8645 lumens at maximum wattage.
- **Wide Voltage Range:** Operates on AC100-277V.
- **IP65 Rated:** Provides protection against dust and water jets, suitable for wet locations.
- **ETL Certified:** Ensures compliance with North American safety standards.
- **Dimmable:** Compatible with 1-10V dimmers (dimmer not included).
- **Durable Construction:** Features a polycarbonate housing, silicone rubber gaskets, and metal latches for enhanced sealing.

Applications: Ideal for car washes, garages, freezers, food packaging facilities, stores, barns, docks, and warehouses.

Figure 1: Overview of the fixture's selectable features and certifications.

2. SAFETY INFORMATION

Please read and understand all instructions before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards that could cause property damage or personal injury.

- **Electrical Safety:** Always disconnect power at the circuit breaker or fuse box before installation, maintenance,

or cleaning. Ensure proper grounding to avoid potential electric shock.

- **Qualified Personnel:** Installation and wiring should be performed by a qualified electrician in accordance with all national and local electrical codes.
- **Voltage Compatibility:** Verify that the supply voltage is compatible with the fixture's operating voltage (AC100-277V).
- **Handling:** Handle the fixture with care. Avoid dropping or subjecting it to severe impact.
- **Operating Temperature:** Ensure the operating environment's temperature is within the specified range for the fixture.
- **Modifications:** Do not modify the fixture or its components. Unauthorized modifications may void the warranty and create safety hazards.

3. SETUP AND INSTALLATION

The HYPERLITE LED Vapor Tight Light Fixture is designed for straightforward installation on ceilings or walls. Mounting hardware is included.

Included Components:

- LED Vapor Tight Light Fixture
- Mounting Brackets
- Screws and Wall Anchors
- Wire Nuts

Installation Steps:

1. **Prepare for Installation:** Ensure power is disconnected at the circuit breaker. Unpack the fixture and inspect for any damage.
2. **Mark Mounting Locations:** Use the included mounting brackets as a template to mark the desired drilling locations on the ceiling or wall.
3. **Install Mounting Brackets:** Drill pilot holes at the marked locations. Secure the mounting brackets using the provided screws and wall anchors. Ensure the brackets are firmly attached.
4. **Attach Fixture:** Open the latches on the fixture. Snap the fixture shell into the installed mounting brackets. Close the latches to secure the fixture.
5. **Wiring:** The fixture comes with pre-wired cables. Connect the fixture's wires to the main power supply wires using appropriate wire nuts. Ensure correct polarity (Live, Neutral, Ground).
6. **Reinforce (Optional):** For added security, use the nut reinforcement installation method if desired, as shown in Figure 2.
7. **Restore Power:** Once installation and wiring are complete and secure, restore power at the circuit breaker.

Figure 2: Quick installation steps for the LED vapor tight light.

Figure 3: Mounting options for the fixture.

4. OPERATING INSTRUCTIONS

The HYPERLITE LED Vapor Tight Light Fixture offers adjustable wattage and color temperature settings to customize your lighting experience.

Adjusting Wattage and Color Temperature:

The fixture features an adjustable switch located on the LED driver inside the unit. To access this switch:

1. **Disconnect Power:** Ensure power to the fixture is turned off at the circuit breaker before making any adjustments.
2. **Open Fixture:** Carefully unlatch and open the fixture housing to expose the internal components.
3. **Locate Switches:** Identify the small switches on the LED driver. There will be separate switches for wattage (45W/55W/65W) and color temperature (4000K/5000K/6000K).
4. **Select Settings:** Use a small tool (e.g., a screwdriver) to carefully slide the switches to your desired wattage and color temperature.
5. **Close Fixture:** Securely close the fixture housing, ensuring all latches are properly engaged to maintain the IP65 seal.
6. **Restore Power:** Turn the power back on at the circuit breaker.

Note: Default settings are typically 65W and 5000K CCT.

Figure 4: Location of adjustable switches on the LED driver.

Figure 5: Visual representation of selectable color temperatures and dimming capabilities.

Dimming Functionality:

This fixture is compatible with 1-10V dimmers (not included). To utilize the dimming feature, connect a compatible 1-10V dimmer to the fixture's dimming wires during installation. Follow the dimmer manufacturer's instructions for wiring and operation.

Figure 6: Dimmable functionality overview.

5. MAINTENANCE

The HYPERLITE LED Vapor Tight Light Fixture is designed for minimal maintenance due to its durable and sealed construction.

- **Cleaning:** Periodically clean the exterior of the fixture with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the polycarbonate housing. Ensure power is disconnected before cleaning.
- **Inspection:** Regularly inspect the fixture for any signs of physical damage, loose connections, or compromised seals. Address any issues promptly to maintain performance and safety.
- **Seal Integrity:** The IP65 rating relies on the integrity of the seals. Ensure the latches are always securely closed after any internal adjustments or inspections.

Figure 7: Illustration of the fixture's sealing protection.

6. TROUBLESHOOTING

If you encounter issues with your HYPERLITE LED Vapor Tight Light Fixture, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Light does not turn on	No power supply Loose wiring Faulty fixture	Check circuit breaker and power source. Verify all wire connections are secure (ensure power is off). Contact customer support if power and wiring are confirmed correct.
Light flickers	Unstable power supply Loose wiring Incompatible dimmer (if applicable)	Ensure stable power. Test with a different circuit. Check all wiring connections. Verify dimmer compatibility and proper installation.
Incorrect brightness/color temperature	Switches set incorrectly Dimmer setting (if applicable)	Disconnect power, open fixture, and adjust wattage/CCT switches to desired settings. Adjust dimmer to desired brightness level.
Water or dust inside fixture	Improperly sealed housing Damaged gasket	Ensure latches are fully closed and housing is properly seated. Inspect gaskets for damage and replace if necessary.

If the problem persists after following these steps, please contact HYPERLITE customer support.

7. SPECIFICATIONS

Detailed technical specifications for the HYPERLITE 4FT LED Vapor Tight Light Fixture (Model HP-HB-AJ01).

Specification	Value
Brand	HYPERLITE
Model Name	LED VAPOR TIGHT LIGHT
Item Model Number	HP-HB-AJ01
Product Dimensions (L x W x H)	47.2" x 3.7" x 3.1"
Item Weight	4.79 pounds
Wattage	45W/55W/65W (Selectable)
Brightness	Up to 8645 Lumens
Color Temperature	4000K/5000K/6000K (Selectable)
Voltage	AC100-277V
Water Resistance Level	IP65 (Waterproof)
Material	Polycarbonate (Shade: Acrylic)
Installation Type	Flush Mount (Ceiling Mount, Wall Mount)

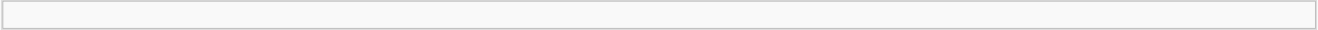| Specification	Value
Special Features	Adjustable Color Temperature, Dimmable (1-10V), Energy Efficient, Waterproof
Certification	ETL
Included Components	Mounting Hardware

Figure 8: Product dimensions and included accessories.

8. WARRANTY AND SUPPORT

HYPERLITE is committed to providing high-quality products and excellent customer service.

Warranty Information:

This HYPERLITE LED Vapor Tight Light Fixture comes with a **36-month (3-year) limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.
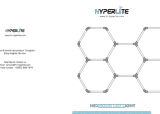
Customer Support:

For technical assistance, troubleshooting, or warranty inquiries, please contact HYPERLITE customer support:

- **Email Support:** 24-hour response time.
- **Phone Service:** 12-hour availability.

Please visit the official HYPERLITE website or refer to your purchase documentation for specific contact details.

Related Documents - HP-HB-AJ01

	[Hyperlite Capsule Series LED Vapor Tight Light - Specifications and Installation Guide](#) Comprehensive guide to the Hyperlite Capsule Series LED Vapor Tight Light, detailing features, specifications, dimensions, packaging, and installation instructions for industrial and harsh environments. Includes UL/cUL compliance information.
	[Hyperlite Hexagon LED Light Installation and Specifications](#) Detailed information on the Hyperlite Hexagon LED Light, including installation instructions, features, specifications, and contact information. This guide covers the 11 HEX model.
	[Hyperlite LED String Work Lights - Reliable, Solid, Bright](#) Discover Hyperlite's LED String Work Lights, offering reliable, solid, and bright illumination for various applications. Features include high efficacy, IP65 rating, and ETL certification. Available in 50ft (65W) and 100ft (130W) configurations.