

Walrusled ZL-PSBLP18-2FT-CE-CCT

Walrusled 2FT LED Vapor Tight Emergency Light User Manual

Model: ZL-PSBLP18-2FT-CE-CCT

1. INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Walrusled 2FT LED Vapor Tight Emergency Light. Please read this manual thoroughly before installation and use, and retain it for future reference.

2. SAFETY INFORMATION

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

- Installation should be performed by a qualified electrician in accordance with national and local electrical codes.
- Ensure the supply voltage is compatible with the fixture (100-277V AC).
- Do not handle the fixture with wet hands or when standing on wet surfaces.
- Do not modify the fixture or its components.
- Keep flammable materials away from the light fixture.
- Operating temperature range: -4°F to 104°F (-20°C to 40°C).

3. PRODUCT FEATURES

- **Emergency Battery Backup:** Integrated LiFePO4 6.4V/3000mAh battery provides over 200 minutes of emergency illumination at 5W output. Automatic charging and discharging.
- **Test Button & Indicators:** Features a built-in test button for emergency function verification and indicator lights for battery status (Green: full charged, Red: charging, Yellow: self-test fault).
- **Durable Construction:** Non-corrosive polycarbonate (PC) housing with IP65 waterproof and dustproof rating, and IK08 impact resistance. Designed to withstand moisture, dust, and extreme temperatures.
- **Selectable Wattage:** Adjustable between 10W (1250lm) and 20W (2500lm) to suit various lighting

requirements.

- **Selectable Color Temperature (CCT):** Offers three color temperature options: 3000K (Warm White), 4000K (Sunrise White), and 5000K (Noon White).
- **Certifications:** CE, FCC, SAA, and UKCA certified for safety and reliability.



Focus On The Lighting Industry For 20 Years

2FT 3-CCT & 2-WATTAGE SWITCHABLE LED WRAPAROUND VAPOR TIGHT BATTEN LIGHT





- *Zero Delay*
- *Zero Worries*
- *Low Flicker*



10W/20W



125LM/W



3000mAh Battery



3K/4K/5K



CRI>80



IP65



Beam Angle
120°



54000HR Lifetime

Image 3.1: Overview of the Walrusled 2FT LED Vapor Tight Emergency Light highlighting its key features such as selectable wattage, CCT, battery capacity, IP65 rating, and beam angle.



Focus On The Lighting Industry For 20 Years

LED VAPOR TIGHT LIGHT



WET LOCATION
VAPOR SEALED

Resistant to:

- ✓ Dirt ☁️
- ✓ Moisture 💧
- ✓ Humidity 💧
- ✓ Water Jet 💧
- ✓ Dust Particles 🌬️

- ✓ Condensation ❄️
- ✓ Harsh Environment ❄️
- ✓ Harsh Weather ☔
- ✓ Extreme Temperatures 🌡️

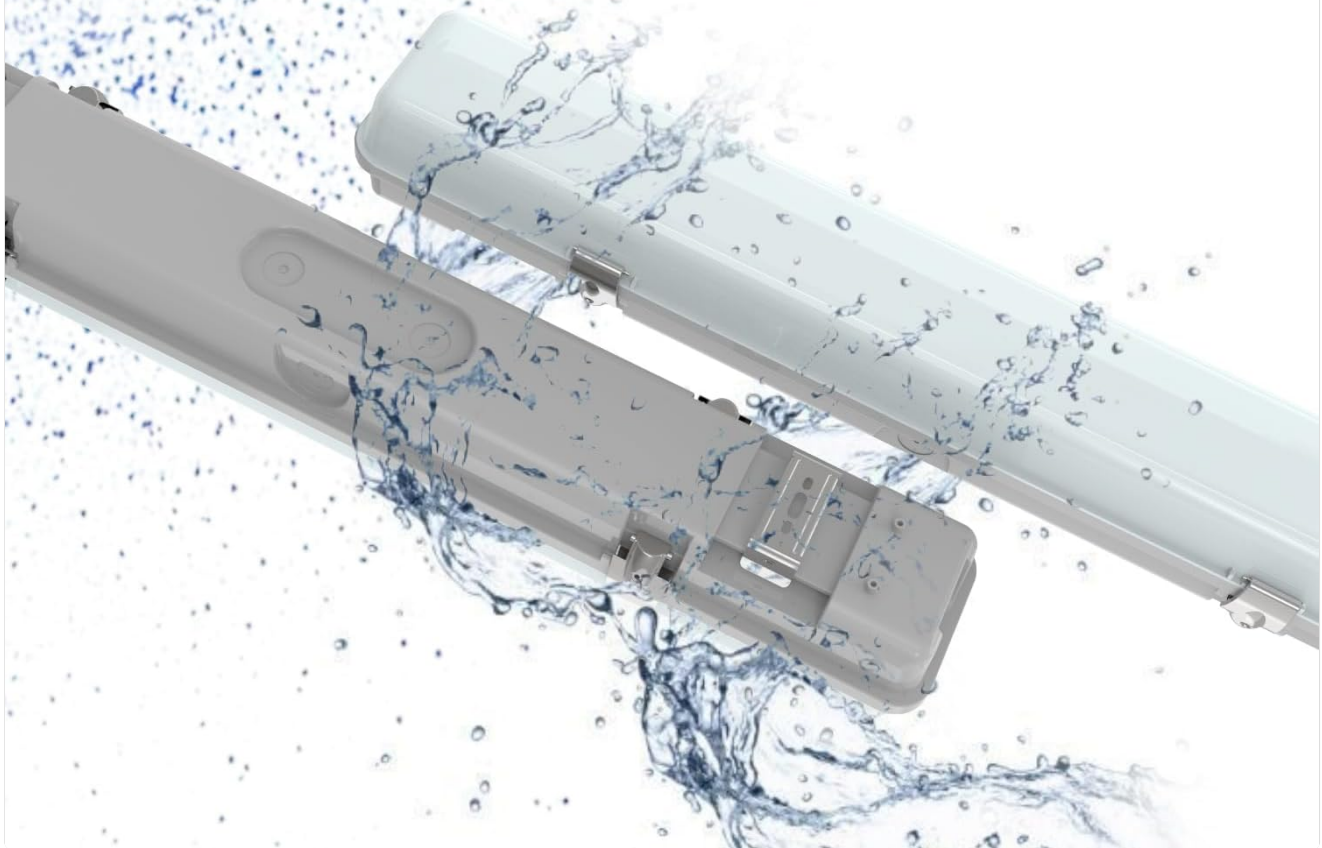


Image 3.2: Visual representation of the LED Vapor Tight Light's IP65 rating, showcasing its resistance to various environmental factors like dirt, moisture, and extreme temperatures.

4. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Walrusled 2FT LED Vapor Tight Emergency Light Fixture
- Mounting Hardware (screws, anchors, clips, hanging ropes)
- Instruction Manual

5. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Walrusled
Model Name	ZL-PSBLP18-2FT-CE-CCT

Specification	Value
Product Dimensions	27.16"L x 4.72"W x 3.93"H
Item Weight	4.02 Pounds
Material	Aluminum, Polycarbonate, Stainless Steel
Power Source	Corded Electric, Battery Powered
Voltage	100-277 Volts (AC)
Wattage	10W / 20W (Selectable)
Brightness	1250lm (10W) / 2500lm (20W)
Light Color / CCT	3000K, 4000K, 5000K (Selectable)
Emergency Output	5W
Battery Type	LiFePO4 6.4V/3000mAh
Emergency Duration	Over 200 minutes
Charging Time	16 to 24 hours
Water Resistance Level	IP65 (Waterproof)
Impact Resistance	IK08
Indoor/Outdoor Usage	Indoor, Outdoor
Mounting Type	Flushmount, Surface Mount, Hanging Mount
Certifications	CE, FCC, SAA, UKCA

6. INSTALLATION INSTRUCTIONS

6.1. Before You Begin

- Ensure power is disconnected at the circuit breaker before starting installation.
- Wear appropriate personal protective equipment.
- Review all steps before proceeding.

6.2. Wiring Methods

The fixture supports two wiring methods for emergency functionality:

1. **Method 1 (L(UA) Wiring):** Divide the L(UA) wiring into two wires. Connect one wire to the SA terminal through the switch. The light fixture will be controlled by an external wall switch.
2. **Method 2 (Short-circuit L and SA):** Short-circuit L and SA with a short wire. The light fixture will be 7 x 24h ON.



TEST BUTTON BATTERY BACKUP WIRING METHOD

By pressing the test button, you can enable simulated emergency testing function, forced self-test, restore to default setting, switched off luminaire when under emergency mode and other test functions.

A built-in backup battery provides over 5-hours of reserve power for outages. The adjustable LED linear strip batten light fixture immediately go on when the power goes off, and the battery charges/discharges automatically while power is on or off.

There are two wiring methods. The first method is to divide the L (UA) wiring into two wires, and connect one wire to the SA terminal through the switch. Light fixture will be control by external wall switch. The second method is to short-circuit L and SA with a short wire. Light fixture will be 7 x 24h ON.

Wiring instruction

Live : L Neutral : N Switch Active : SA(for Emergency only) Earth :  Installation accessories : 

Neutral line

Earth

Live line

Switch line

Wall switch

Emergency Luminaire wiring ①
(Light will be control by external wall switch)

Neutral line

Earth

Live line

Switch line

(Short-circuit L and SA with provided short wire)

Emergency Luminaire wiring ②
(Light will be 7 x 24h ON)



3000mAh

Lithium Phosphate Battery

Image 6.1: Wiring instructions for the emergency battery backup feature, detailing connections for live, neutral, earth, and switch active lines, along with the two wiring methods.

6.3. CCT and Wattage Selection

Before closing the fixture, locate the internal switches for CCT (Color Temperature) and Wattage selection. Adjust these switches to your desired settings:

- **CCT Switch:** Select 3000K, 4000K, or 5000K.
- **Wattage Switch:** Select 10W or 20W.



6 IN 1 LED WRAPAROUND LIGHT

3 Color Temperature Selectable



3000K

4000K

5000K



2 Wattage Changeable



10W



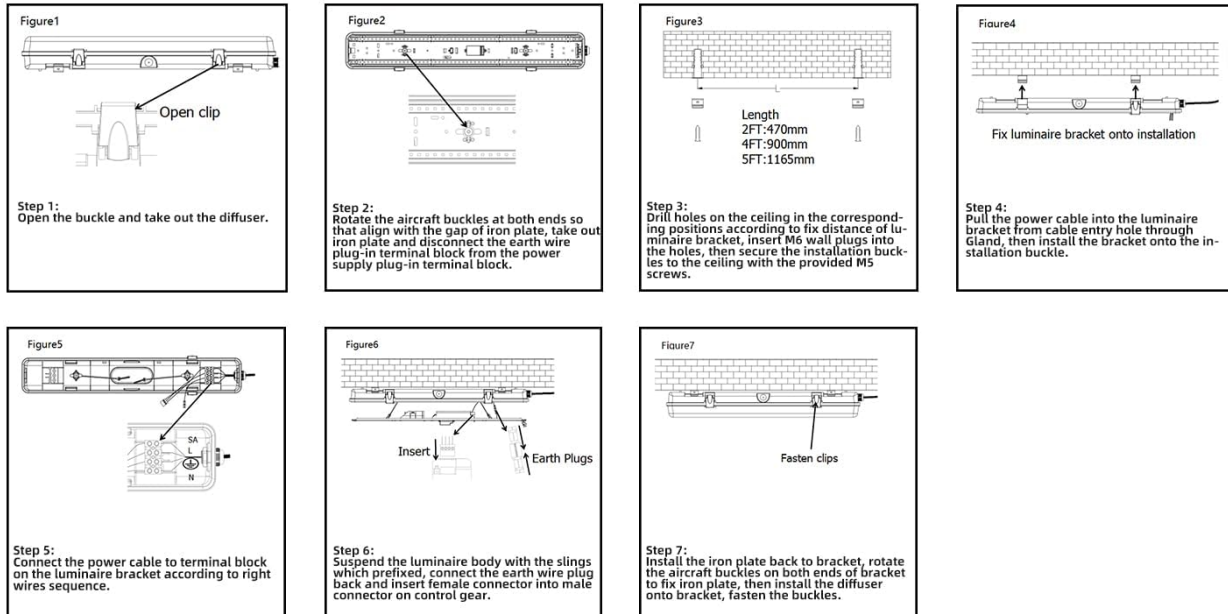
20W

Image 6.2: Illustration of the selectable color temperature and wattage options available on the Walrusled light fixture.

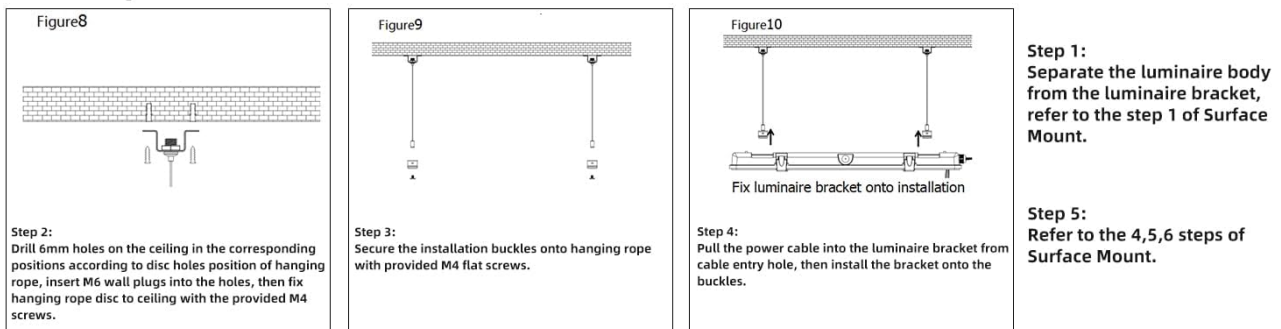
6.4. Mounting Options

The fixture supports both surface mount and suspend mount installations.

1.Surface Mount



2.Suspend Mount



⚠ Warning: Turn off the power before installation

Image 6.3: Comprehensive installation guide for both surface and suspend mounting methods, including diagrams for each step.

6.4.1. Surface Mount Installation

1. Open the buckle and take out the diffuser.
2. Remove the aircraft buckles at both ends to take out the iron plate. Connect the earth wire to the iron plate and connect the earth wire from the power supply plug-in terminal block.
3. Drill holes on the ceiling in the corresponding position according to the holes of the iron plate bracket. Insert M6 wall plugs into the holes, then fix the iron plate bracket to the ceiling with the provided M6 screws.
4. Pull the power cable into the luminaire from the PG13.5 waterproof gland.
5. Connect the power cable to the terminal block on the luminaire bracket according to the wiring sequence.
6. Connect the luminaire body with the slings (which are pre-fixed), connect the earth wire plug to the earth wire from the power supply, and insert the connector on the control gear.
7. Install the iron plate back to the bracket, rotate the aircraft buckles on both ends of the bracket to lock the iron plate, install the diffuser onto the bracket, and fasten the buckles.

6.4.2. Suspend Mount Installation

1. Separate the luminaire body from the luminaire bracket (refer to Step 1 of Surface Mount).

2. Drill holes on the ceiling in the corresponding position according to the holes position of the hanging rope. Insert M6 wall plugs into the holes, then fix the hanging rope clip to the ceiling with the provided M6 screws.
3. Install the installation buckles onto the hanging rope with provided M4 flat screws.
4. Pull the power cable into the luminaire bracket from the cable entry hole, then install the bracket onto the buckles.
5. Refer to steps 4, 5, and 6 of Surface Mount for wiring and final assembly.

7. OPERATING INSTRUCTIONS

7.1. Emergency Battery Backup Function

The built-in LiFePO4 battery automatically charges when main power is supplied and discharges to provide emergency lighting when main power is interrupted. The battery provides over 200 minutes of illumination.

7.2. Test Button Functions

The integrated test button allows for verification and management of the emergency function:

- **Simulated Emergency Testing:** Press and hold the test button for more than 1.5 seconds. The luminaire will simulate a main power failure and enter emergency mode. Release the button to return to the previous status.
- **Force Self-test:** Press and hold the test button for more than 10 seconds. The luminaire will perform a self-test. Release the button to return to the previous status until the self-test is finished. The self-test result will be indicated by the Yellow indicator.
- **Reset to Default Setting:** Press the test button 3 times within 3 seconds. All three indicators will flash 3 times synchronously, and the luminaire will enter the default setting mode. Yellow and Red indicators will flash synchronously.

7.3. Indicator Lights

The fixture features three indicator lights:

- **Green LED:** Indicates the battery is fully charged.
- **Red LED:** Indicates the battery is currently charging.
- **Yellow LED:** Indicates a self-test fault or other system error.

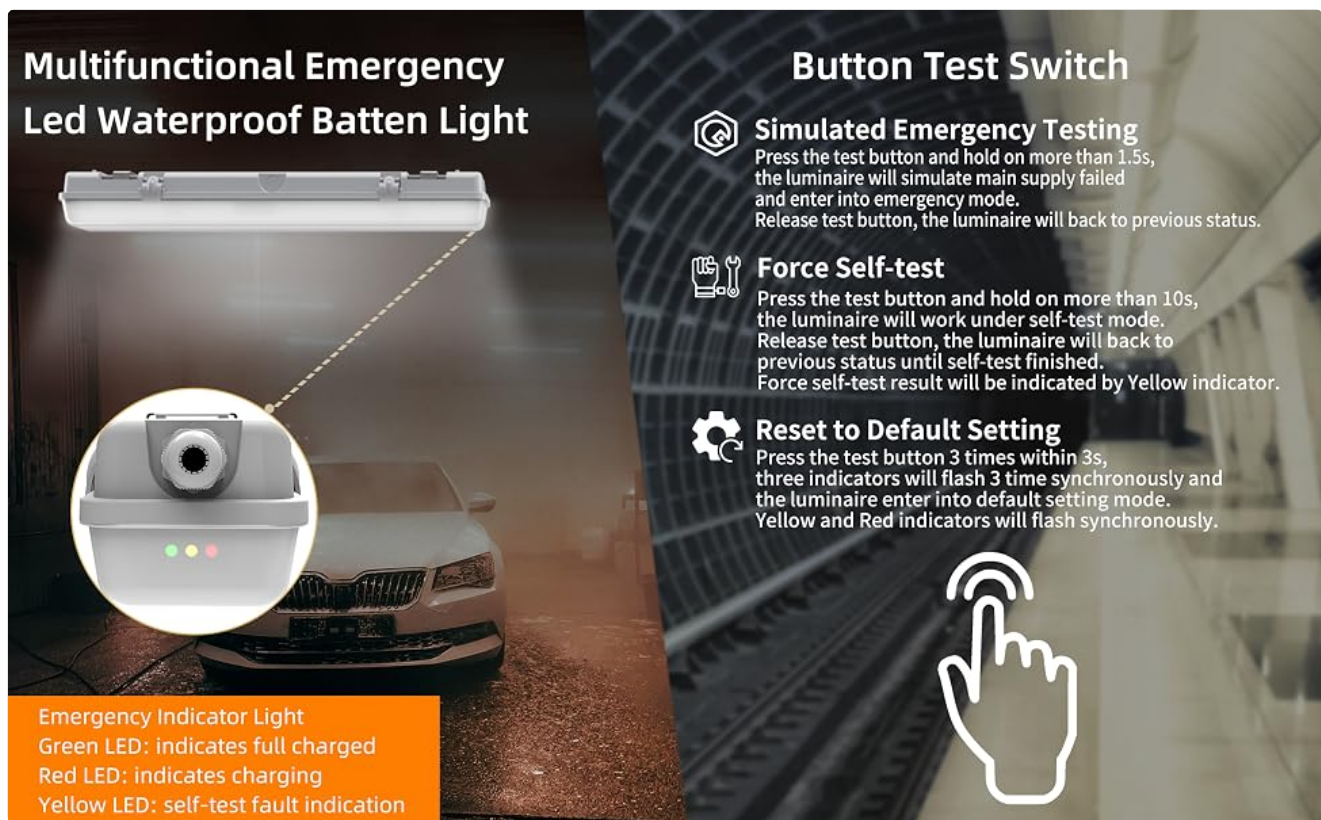


Image 7.1: Explanation of the multifunctional emergency light features, including the test button operations and the meaning of the indicator lights.

8. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your light fixture.

- **Cleaning:** Clean the exterior of the fixture periodically with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the fixture is off and cool before cleaning.
- **Battery Check:** Perform monthly checks of the emergency function using the test button to ensure the battery is operational.
- **Visual Inspection:** Periodically inspect the fixture for any signs of damage, loose connections, or wear.
- **Battery Replacement:** The LiFePO4 battery has a lifespan of more than 3 years. If the emergency duration significantly decreases, consider replacing the battery by a qualified technician.

9. TROUBLESHOOTING

If you encounter issues with your Walrusled LED Vapor Tight Emergency Light, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
Fixture does not turn on.	No power supply; Incorrect wiring; Faulty fixture.	Check circuit breaker and power connections. Verify wiring according to instructions. Contact customer support if problem persists.

Problem	Possible Cause	Solution
Emergency function not working or short duration.	Battery not charged; Battery faulty or at end of life; Incorrect emergency wiring.	Ensure fixture has been connected to power for at least 24 hours to fully charge the battery. Perform a self-test. Check emergency wiring. If battery is old, consider replacement.
Incorrect CCT or Wattage output.	Switches set incorrectly.	Turn off power. Open the fixture and adjust the internal CCT and Wattage selection switches to the desired settings. Reassemble and restore power.
Yellow indicator light is on.	Self-test fault indication.	Perform a Force Self-test. If the yellow light remains, there may be an internal fault. Contact customer support.

10. WARRANTY AND CUSTOMER SUPPORT

Walrusled provides a **one-year limited warranty** for this product, covering defects in materials and workmanship under normal use. Additionally, we offer **5-year technical support** to ensure your satisfaction.

For warranty claims, technical assistance, or any questions regarding your Walrusled 2FT LED Vapor Tight Emergency Light, please contact Walrusled customer support through your purchase platform or visit the official Walrusled website.

Please have your model number (ZL-PSBLP18-2FT-CE-CCT) and proof of purchase ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question