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> Walrusled ZL-VSBLP36-4FT-CE 4FT LED Linear Strip Emergency Light Instruction Manual

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Model: ZL-VSBLP36-4FT-CE | Brand: Walrusled

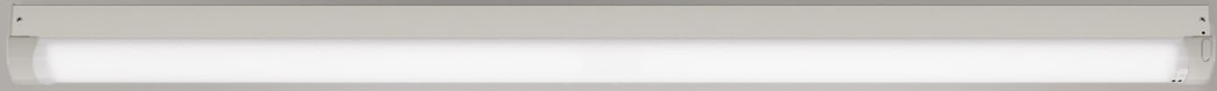
1. PRODUCT OVERVIEW

The Walrusled 4FT LED Linear Strip Emergency Light (Model ZL-VSBLP36-4FT-CE) is a versatile lighting fixture designed for commercial and industrial applications. It features selectable wattage (20W/40W) and brightness levels (2500lm/5000lm), a built-in battery backup for emergency operation, and 0-10V dimming capability. This fixture is suitable for various indoor environments such as stairwells, workshops, and garages.



Focus On The Lighting Industry For 20 Years

4FT 2-WATTAGE SWITCHABLE 5000K LED LINEAR STRIP BATTEN LIGHT



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



20W/40W



125LM/W



3000mAh Battery



Wide Voltage



CRI>80



0-10V Dimmable



Beam Angle
120°



54000HR Lifetime

Image 1.1: Walrusled 4FT LED Linear Strip Emergency Light with key features highlighted.

2. PACKAGE CONTENTS

Carefully unpack the box and ensure all items are present and undamaged. The package should contain:

- 1x Walrusled 4FT LED Linear Strip Emergency Light Fixture
- Mounting Hardware (M6 Wall Plugs x6, M4 Screws x6, M3 Screws x1)
- 2x Hanging Ropes (for hanging mount option)
- 2x Covers for Junction Box (for US market only)
- 1x Short Wire
- 1x Instruction Manual
- 1x Remote Controller (Optional, for models with sensor dimmable feature)

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Video 2.1: Unboxing the Walrusled LED Linear Strip Light and its accessories.

3. PRODUCT COMPONENTS

Familiarize yourself with the main components of the LED linear strip light:

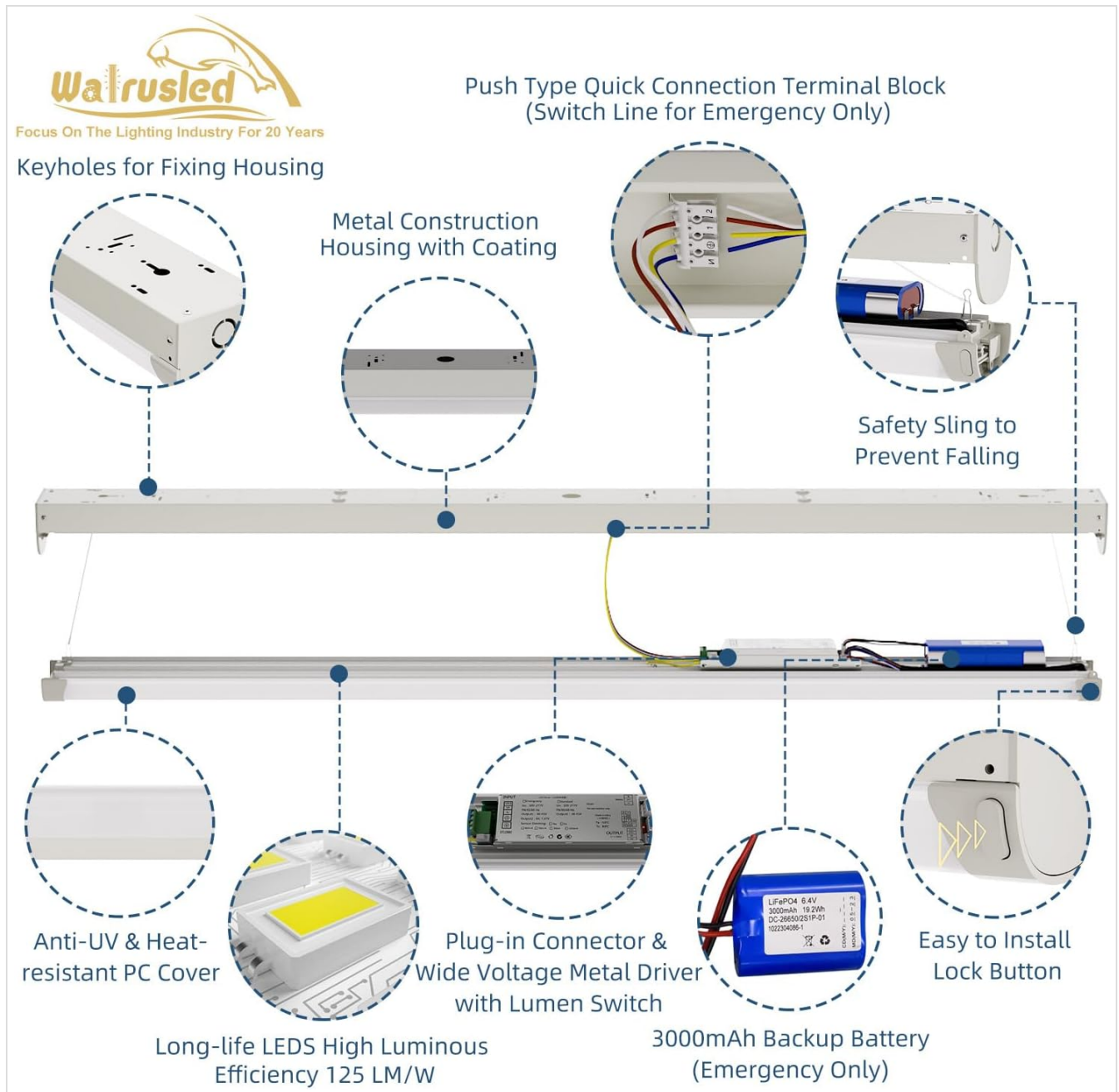


Image 3.1: Exploded view showing the housing, diffuser, LED strip, smart driver, backup battery, test panel, and locker.

- **Housing:** The main metal body providing structural integrity and heat dissipation.
- **Diffuser:** Milky PC cover for uniform light distribution and anti-yellowing properties.
- **LED Strip:** High-efficiency LED light source.
- **Smart Driver:** Controls power and dimming functions.
- **Backup Battery:** LiFePO4 6.4V/3000mAh battery for emergency power.
- **Test Panel:** Includes a touch test switch and indicator lights for emergency functions.
- **Locker:** Secures the luminaire body to the bracket.

4. INSTALLATION INSTRUCTIONS

The Walrusled LED Linear Strip Emergency Light supports three mounting options: surface mount, flush mount, and hanging mount. Always ensure the main power supply is OFF before beginning installation.

4.1. Surface Mount Installation

1. Drill holes on the ceiling in the corresponding positions according to the luminaire bracket's fixing distance.
2. Insert M6 wall plugs into the drilled holes.
3. Pull the power cable into the luminaire bracket from the cable entry hole in the middle.
4. Secure the bracket onto the ceiling with the provided M4 screws.

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Video 4.1: Detailed steps for surface mount installation.

4.2. Hanging Installation

1. Mark the positions for the hanging rope discs on the ceiling.
2. Drill 6mm holes at the marked positions and insert M6 wall plugs.
3. Fix the hanging rope discs to the ceiling using the provided M4 screws.
4. Suspend the luminaire bracket with the hookers on the hanging ropes.
5. Pull the power cable into the luminaire bracket from the cable entry hole.

Note: The installation video (Video 4.1) also demonstrates hanging installation.

4.3. Junction Box Installation (for US Market)

1. Slide the junction box covers into the luminaire bracket.
2. Fix M4 screws onto the 4" junction box.
3. Pull the power cable into the luminaire bracket from the cable entry hole in the middle.
4. Fix the junction box cover with keyholes onto the junction box.
5. Rotate the luminaire bracket to secure it.
6. Tighten the M4 screws.

Note: The installation video (Video 4.1) also demonstrates junction box installation.

4.4. Wiring and Final Assembly

Connect the power cable to the terminal block on the luminaire bracket according to the correct wire sequence (Neutral, Live, Earth, Switch Line for Emergency). Ensure all connections are secure.

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TOUCH TEST SWITCH BATTERY BACKUP WIRING METHOD

Touch the test switch, 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 : Short Wire

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 4.2: Wiring methods for emergency and non-emergency setups.

After wiring, suspend the luminaire body with the pre-fixed slings. Insert the end of the luminaire body without the button diagonally into the luminaire bracket. Push and press the luminaire body upwards to lock it with the bracket. Secure them with the provided M3 screw.

5. OPERATING INSTRUCTIONS

5.1. Power and Color Temperature Selection

This fixture offers selectable wattage and color temperature (CCT) settings. These settings are typically adjusted via DIP switches located inside the fixture. Ensure power is off before making adjustments.

- **Wattage Selection:** Choose between 20W (2500lm) and 40W (5000lm) to suit your lighting needs.
- **Color Temperature:** The 5000K cool white setting is standard for this model. Other models may offer 3000K, 4000K, or 6000K.

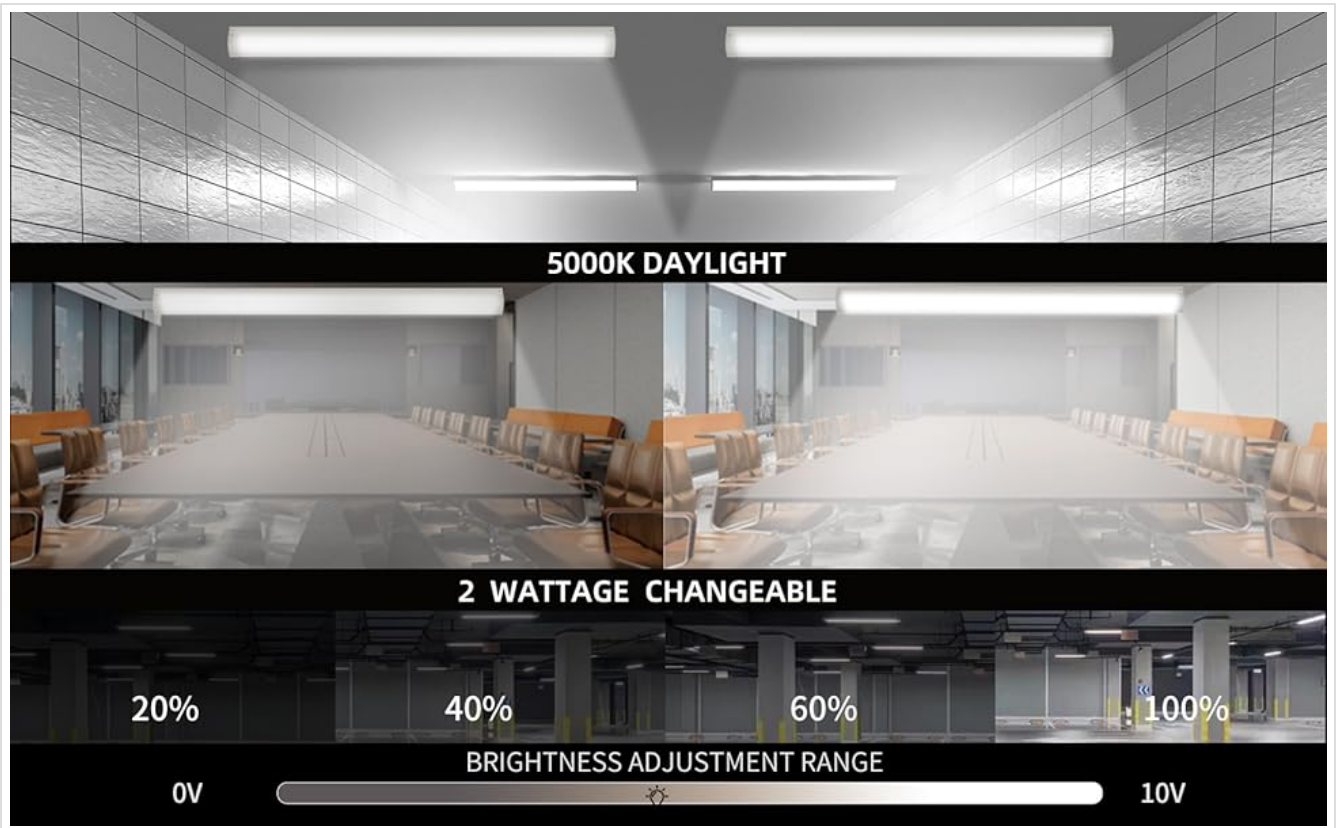


Image 5.1: Illustration of wattage selection and 0-10V dimmable feature.

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Video 5.2: Instructions for control gear setting and color temperature change (for partial models).

5.2. 0-10V Dimmable Function

The luminaire's lighting output can be adjusted when connected to an LED-compatible 0-10V dimmer switch. This allows for flexible brightness control to suit various moods and environments.

5.3. Sensor Setting Instructions (for models with sensor)

For models equipped with a sensor, settings can be adjusted using the remote controller. Parameters include detection sensitivity, hold time, twilight brightness percentage, and twilight stand-by time.

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Video 5.3: Instructions for sensor settings using a remote controller (for partial models).

5.4. Emergency Function Instructions

The fixture includes a built-in battery backup for emergency lighting. It features a touch test switch and indicator lights for monitoring its status.

- **Green LED Indicator:**
 - LED On: Main supply on and battery is fully charged.
 - LED Off: Main supply off, battery is charging, or battery disconnected.
- **Red LED Indicator:**
 - LED On: Main supply on and battery is charging.
 - LED Off: Battery fully charged, main supply off, or battery disconnected.
- **Yellow LED Indicator (Fault Indication):**
 - LED Continuously On: Indicates normal operation.

- LED Slow Flash (4 seconds ON, 1 second OFF): Indicates self-test passed within 6 days. This state lasts 6 days after the last self-test, then changes to continuous ON.
- LED Fast Flash (0.5 second ON, 0.5 second OFF): Indicates the latest self-test failed. This state remains until the next self-test passes.
- LED Off: Main supply off.

- **Touch Test Button Functions:**

1. Simulated emergency testing function.
2. Force self-test.
3. Reset to pre-settings.
4. Switch off luminaire when under emergency mode.

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Video 5.4: Detailed emergency instruction, including indicator lights and test button functions.

6. MAINTENANCE

The Walrusled LED Linear Strip Emergency Light is designed for low maintenance, offering over 54,000 hours of operation. The LiFePO4 battery is rated for more than 3 years of use. The battery charges and discharges automatically when power is on or off.

- **Cleaning:** Gently wipe the fixture with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Battery Check:** Regularly observe the LED indicators for battery status and self-test results as described in the operating instructions.
- **Professional Service:** For any internal repairs or battery replacement, contact qualified personnel.

7. TROUBLESHOOTING

If you encounter issues with your Walrusled LED Linear Strip Emergency Light, consider the following:

- **Light not turning on:** Check the main power supply. Ensure all wiring connections are secure. Verify the battery is charged (check LED indicators).
- **Emergency function not working:** Check the yellow LED indicator for fault indications. Perform a simulated emergency test or force self-test using the touch test button. Ensure the battery is properly connected and charged.
- **Dimming issues:** Ensure the 0-10V dimmer switch is compatible and correctly wired.
- **Sensor not responding (if applicable):** Check sensor settings using the remote controller (sensitivity, hold time).

For persistent issues, please contact Walrusled technical support.

8. SPECIFICATIONS

Feature	Detail
Brand	Walrusled
Model Number	ZL-VSBLP36-4FT-CE
Wattage	20W / 40W Selectable
Brightness	2500lm / 5000lm Selectable
Color Temperature	5000K (Cool White)

Dimmable	0-10V Dimmable
Emergency Backup	LiFePO4 6.4V/3000mAh, 5W output, >200 minutes duration
Input Voltage	100-277V, 50/60Hz
Material	Alloy Steel, Polycarbonate
IP Rating	IP20
Beam Angle	120 degrees
Lifespan	54,000+ hours
Certifications	ETL, CE, FCC, SAA, UKCA
Mounting Type	Flushmount, Surface Mount, Hanging Mount
Dimensions (L x W x H)	48.03"L x 3.54"W x 3.14"H

9. WARRANTY AND SUPPORT

Walrusled provides a 1-year warranty for this product and offers 5-year technical support. For any defects or assistance, please contact Walrusled customer service. We aim to reply within 24 hours and provide a satisfactory solution. This product has passed ETL, CE, FCC, SAA & UKCA certifications, ensuring safety and reliability.