

Westgate LFX-LG-50-150W-50K

Westgate LFX-LG-50-150W-50K LED Area Light Fixture User Manual

Model: LFX-LG-50-150W-50K

1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of the Westgate LFX-LG-50-150W-50K LED Area Light Fixture. This fixture is designed for commercial outdoor applications, offering selectable wattage options (50W, 80W, 100W, 150W) and 0-10V dimming capabilities. Please read these instructions thoroughly before installation and retain this manual for future reference.

2. SAFETY INFORMATION

- **Electrical Hazard:** Installation must be performed by a qualified electrician in accordance with all national and local electrical codes. Ensure power is disconnected at the circuit breaker before installation or servicing.
- **Grounding:** The fixture must be properly grounded to prevent potential electrical shock.
- **Voltage:** Verify that the supply voltage (120-277V AC) matches the fixture's requirements.
- **Handling:** Do not handle the fixture with wet hands. Avoid direct eye exposure to the light source when illuminated.
- **Environment:** This fixture is rated for outdoor, wet location use (IP65). Do not modify the fixture or use it for purposes other than its intended design.

3. PACKAGE CONTENTS

Carefully unpack the box and ensure all components are present and undamaged.

- Westgate LFX-LG-50-150W-50K LED Area Light Fixture (1)

4. PRODUCT OVERVIEW

The Westgate LFX-LG-50-150W-50K is a robust LED area light fixture designed for efficient outdoor illumination. It features a durable aluminum housing with a dark bronze finish and a glass shade.



Figure 4.1: Front view of the LED Area Light Fixture, highlighting the bright LED array.



Figure 4.2: Rear view of the fixture, illustrating the heat dissipation fins and the location of the wattage selection switch.

5. SETUP AND INSTALLATION

5.1. Pre-Installation Checks

- Ensure power is OFF at the circuit breaker.
- Confirm the mounting surface is structurally sound to support the fixture's weight (approximately 9.8 lbs).
- Gather necessary tools: screwdriver, wire strippers, electrical tape, mounting hardware (not included).

5.2. Mounting the Fixture

The fixture is designed for surface wall mounting.

1. Position the fixture on the desired mounting surface.
2. Mark the locations for mounting screws.
3. Drill appropriate pilot holes if necessary.
4. Secure the fixture firmly to the wall using suitable mounting hardware (not supplied).

5.3. Wiring Instructions

Connect the fixture to the electrical supply according to local and national electrical codes.

- Connect the **black** wire from the fixture to the **line (hot)** wire from the supply.
- Connect the **white** wire from the fixture to the **neutral** wire from the supply.
- Connect the **green** (or bare copper) wire from the fixture to the **ground** wire from the supply.
- For 0-10V dimming, connect the **purple** wire to the **dimming positive (+)** and the **gray** wire to the **dimming negative (-)** from the 0-10V dimmer control. If dimming is not used, cap these wires individually.
- Ensure all connections are secure and insulated with approved connectors.

5.4. Wattage Selection

This fixture features a selectable wattage switch, allowing adjustment to 50W, 80W, 100W, or 150W. The switch is typically located on the rear or side of the fixture (refer to Figure 4.2 for general location). Select the desired wattage setting **before** restoring power to the fixture.

6. OPERATING INSTRUCTIONS

Once installed and wired correctly, restore power at the circuit breaker. The fixture will illuminate at the selected wattage setting.

- **Power On/Off:** Control the fixture's power via the connected wall switch or circuit breaker.
- **Dimming:** If connected to a 0-10V dimmer, adjust the dimmer control to achieve the desired light output level.

7. MAINTENANCE

The Westgate LED Area Light Fixture requires minimal maintenance. Always disconnect power before performing any maintenance.

- **Cleaning:** Periodically clean the exterior of the fixture and the glass lens with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose wiring, or corrosion. Address any issues promptly.

8. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|------------------------------|---|--|
| Fixture does not illuminate. | No power supply; incorrect wiring; faulty switch/breaker. | Check circuit breaker and wall switch. Verify wiring connections. Consult a qualified electrician. |

| Problem | Possible Cause | Solution |
|--------------------------------------|---|--|
| Light output is too low or too high. | Incorrect wattage selection; dimmer setting. | Adjust the wattage selection switch. Adjust the 0-10V dimmer control. |
| Light flickers. | Loose wiring connection; incompatible dimmer; power fluctuations. | Check all wiring connections. Ensure dimmer is compatible with 0-10V LED fixtures. Consult an electrician. |

9. SPECIFICATIONS

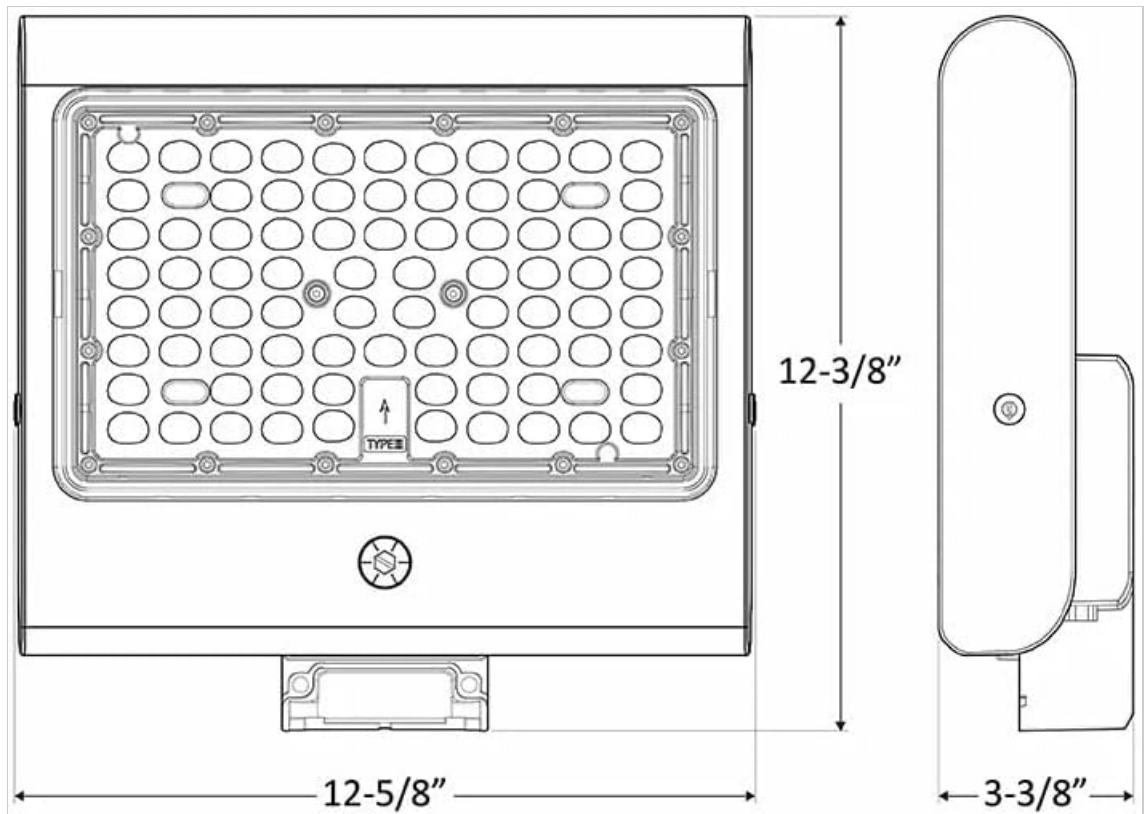


Figure 9.1: Dimensional drawing showing the fixture's length (12-5/8"), height (12-3/8"), and depth (3-3/8").

| Attribute | Value |
|--------------------|------------------------|
| Brand | Westgate |
| Model Number | LFX-LG-50-150W-50K |
| Wattage Selectable | 50W, 80W, 100W, 150W |
| Brightness (Max) | 21000 lumens (at 150W) |
| Efficiency | 140 lumens/watt |
| Color Temperature | 5000K (Cool White) |
| Voltage | 120-277V AC |
| Dimming | 0-10V Dimming |
| Light Source Type | LED |

| Attribute | Value |
|--------------------------------|---|
| Material | Aluminum (Housing), Glass (Shade) |
| Finish Type | Powder Coated (Dark Bronze) |
| Indoor/Outdoor Usage | Outdoor |
| Water Resistance Level | Water Resistant (IP65) |
| Mounting Type | Wall Mount (Surface Mount) |
| Product Dimensions (L x W x H) | 12.63" x 3.38" x 12.38" (32.08 cm x 8.59 cm x 31.45 cm) |
| Item Weight | 9.8 pounds (4.45 kg) |
| Life Expectancy | 70,000 hours |

10. CERTIFICATIONS AND FEATURES

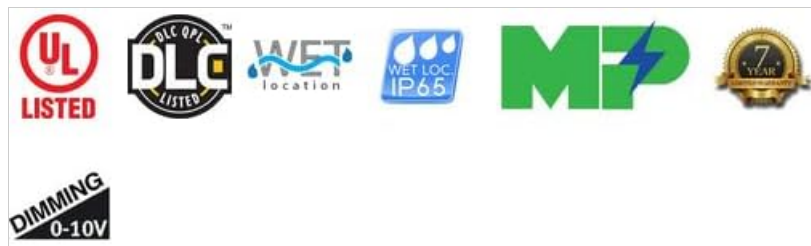


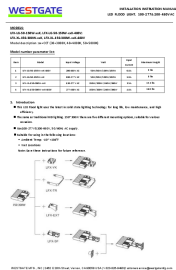
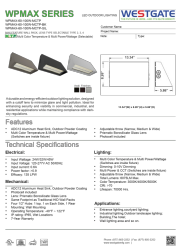
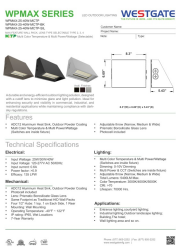



Figure 10.1: Certifications and key features of the fixture.

- **UL Listed:** Certified for safety standards.
- **DLC QPL Listed:** DesignLights Consortium Qualified Product List, indicating high energy efficiency.
- **Wet Location Rated:** Suitable for outdoor use where exposed to water.
- **IP65 Rated:** Protected against dust ingress and low-pressure water jets from any direction.
- **0-10V Dimming:** Compatible with 0-10V dimming systems for adjustable light output.

11. WARRANTY AND SUPPORT

This Westgate LED Area Light Fixture is backed by a **7-year warranty**, covering defects in materials and workmanship under normal use.

For technical support, warranty claims, or further assistance, please contact Westgate customer service. Refer to the product packaging or the official Westgate website for current contact information.

| | |
|---|---|
|  | <p>Westgate LED Flood Light Installation Manual LFX Series</p> <p>Comprehensive installation instructions for Westgate LFX series LED Flood Lights, covering models LFX-LG-50-150W and LFX-XL-150-300W. Includes specifications, mounting options, wiring diagrams, and safety warnings.</p> |
|  | <p>Westgate WPMAX Series LED Outdoor Wall Pack: Selectable Wattage & CCT, IP65 Rated</p> <p>Explore the Westgate WPMAX Series LED Outdoor Wall Pack, offering selectable wattage (60W-100W) and color temperature (3000K-5000K). Features a durable ADC12 aluminum construction, prismatic borosilicate glass lens, integrated photocell, IP65 rating, and a 7-year warranty. Ideal for commercial, industrial, and landscape applications.</p> |
|  | <p>WPMAX Series LED Outdoor Wall Pack Lighting - Westgate</p> <p>Explore the Westgate WPMAX Series LED Outdoor Wall Pack, featuring selectable wattage and color temperature, durable construction, and advanced features for commercial and industrial lighting applications.</p> |
|  | <p>WESTGATE SCXCF Series 10FT Full Circle LED Chandelier - Technical Specifications</p> <p>Detailed specifications for the WESTGATE SCXCF Series 10FT Full Circle LED Chandelier, featuring adjustable up/down light ratio, Multi Color Temperature & Power (MCTP), and 5-year warranty. Ideal for commercial and architectural lighting.</p> |
|  | <p>Westgate WPMAX Series LED Outdoor Lighting Datasheet</p> <p>Comprehensive datasheet for the Westgate WPMAX Series LED outdoor wall pack lighting, featuring selectable wattage, color temperature, adjustable light throw, integrated photocell, and durable construction. Includes technical specifications, performance data, ordering information, and color options.</p> |
|  | <p>Westgate DV48 Gas Fireplace Heater Owner's Manual</p> <p>Comprehensive owner's manual for the Westgate DV48 gas fireplace heater by Sherwood Industries Ltd., covering installation, operation, safety precautions, maintenance, and warranty information. Includes detailed instructions, technical specifications, and troubleshooting guidance.</p> |