



# Light Efficient Design LED-8027M345-G7-FW Bollard Retrofit Lamp Installation Guide

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**Light Efficient Design LED-8027M345-G7-FW Bollard Retrofit Lamp**



## Product Information

The Bollard Retrofit Lamp is a high-quality LED lamp designed for easy installation and usage. The model LED-8027M345-G7-FW is available in three wattages: 80W, 100W, and 110W. It operates on different input voltages depending on the model: 120-277 VAC 50/60 Hz for LED-8027M345-G7-FW and 277-480 VAC 50/60 Hz for LED-8027M345-G7-FW-HV. The lamp holder type for both models is E39 or EX39. The lamp can be oriented in three positions: base up, base down, or horizontal. It is suitable for use in enclosed luminaires.

## Product Installation Requirements

To ensure proper installation, please make sure that the following requirements are met:

- The input voltage matches the specified range for the model.
- The lamp holder is compatible with E39 or EX39.
- The minimum dimensions of the lamp compartment are 8 x 8.5.
- The luminaire is enclosed and protected from direct water spray and bugs.

## Installation Instructions

1. Turn off power to the luminaire at the switch and circuit breaker. Allow the luminaire to cool before proceeding.
2. Ensure that the luminaire and electrical inputs meet the requirements mentioned above.
3. If a ballast is present, it must be bypassed or removed. Refer to the wiring diagram provided. Disconnect or cut the wires to and from the ballast. Connect the line and neutral wires to the socket leads as shown in the wiring

diagram. If a neutral is not available, the product may be installed using two hot leads. Verify that the voltage meets the requirements.

4. Inspect the lamp holder for arcing or corrosion and replace it if damaged.
5. Select the desired lamp light color and wattage using the switches on the side of the lamp.
6. Screw the lamp into the lamp holder. Avoid over-tightening to prevent damage.
7. Apply the included label to the inside of the luminaire where it will be visible during re-lamping.
8. Turn on electrical power to the luminaire and verify proper operation.

Please note that this product warranty does not cover physical damages or improper application.

## **PRIOR TO INSTALLATION, PLEASE READ THE ENTIRE INSTALLATION INSTRUCTIONS**

- **CAUTION:** THESE RETROFIT LAMPS ARE DESIGNED TO OPERATE ON LINE VOLTAGE, BALLAST MUST BE BYPASSED.
- SUITABLE FOR USE IN DRY OR DAMP LOCATIONS.
- SUITABLE FOR USE IN ENCLOSED LUMINAIRES.
- NOT FOR EMERGENCY LIGHTING.
- NOT FOR USE IN ENVIRONMENTS WHERE EXPLOSIVE OR CORROSIVE GASES ARE PRESENT.
- DO NOT MAKE OR ALTER ANY OPEN HOLES IN AN ENCLOSURE OF WIRING OR ELECTRICAL COMPONENTS DURING KIT INSTALLATION.
- **WARNING:** RISK OF FIRE OR ELECTRIC SHOCK. LED RETROFIT KIT INSTALLATION REQUIRES KNOWLEDGE OF LUMINAIRES ELECTRICAL SYSTEMS. IF NOT QUALIFIED, DO NOT ATTEMPT INSTALLATION. CONTACT A QUALIFIED ELECTRICIAN.
- **WARNING:** RISK OF FIRE OR ELECTRIC SHOCK. INSTALL THIS KIT ONLY IN LUMINAIRES THAT HAVE THE CONSTRUCTION FEATURE AND DIMENSIONS SHOWN IN THE PHOTOGRAPHS AND/OR DRAWING AND WHERE THE INPUT RATING OF THE RETROFIT KIT DOES NOT EXCEED THE INPUT RATING OF THE LUMINAIRE.
- **WARNING:** TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR OTHER SHARP OBJECTS.
- FOR INSTALLATIONS IN CANADA – THIS RETROFIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION.
- LAMPS COME WITH A 5 YEAR WARRANTY AGAINST MANUFACTURING DEFECTS.
- THIS WARRANTY DOES NOT COVER PHYSICAL DAMAGE OR IMPROPER OPERATION.

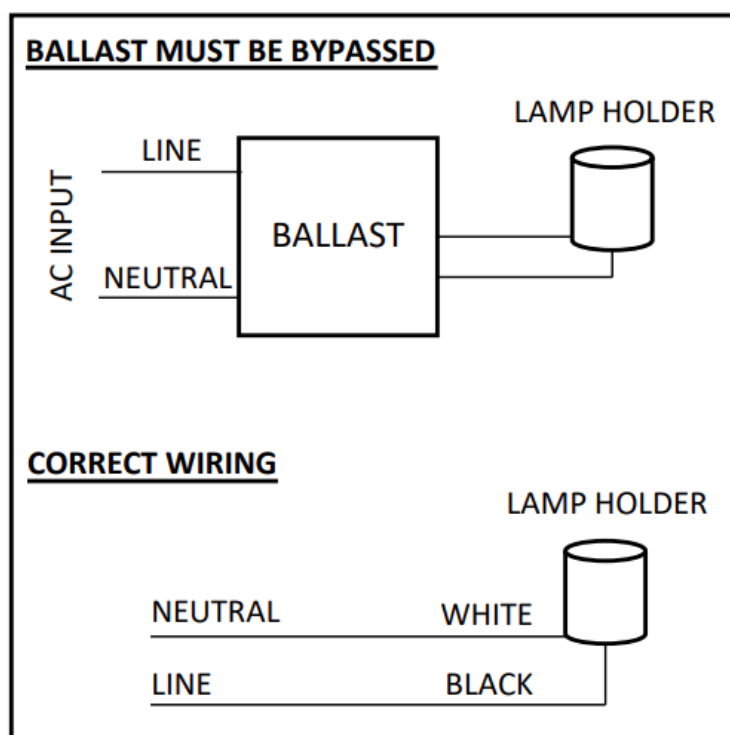
## **INSTALLATION REQUIREMENTS**

MODEL	INPUT VOLTAGE	LAMP HOLDER	MIN. LAMP COMPARTMENT DIMENSIONS	LUMINAIRE	ORIENTATION
LED-8027M345-G7-FW	120-277 VAC 50/60 Hz	E39 or EX39	8" x 8.5"	Enclosed	Base Up, Down or Horizontal
LED-8027M345-G7-FW-HV	277-480 VAC 50/60 Hz				

## INSTALLATION INSTRUCTIONS

1. Turn off power to the luminaire at switch and circuit breaker. Allow luminaire to cool before proceeding.
2. Ensure that the luminaire and electrical inputs meet the requirements in the table. The lamp should be installed in an enclosed fixture. Please ensure that the lamp is protected from direct water spray and bugs.
3. If a ballast is present it must be bypassed. If desired, it may be removed. Please refer to the wiring diagram. Disconnect or cut the wires to and from the ballast. Connect the line and neutral wires to the socket leads as shown in the wiring diagram. Product may be installed using two hot leads if a neutral is not available. Check that voltage meets the requirements.
4. Inspect the lamp holder for arcing or corrosion and replace if damaged.
5. Select lamp light color and wattage by using the switches on the side of the lamp.
6. Screw the lamp into the lamp holder. Do not over-torque as this could cause damage.
7. Apply included label to the inside of the luminaire where it will be visible during relamping.
8. Turn on electrical power to the luminaire and verify proper operation.

## WIRING



## CONTENTS

- Lamp
- Label
- Instructions

**LIGHT EFFICIENT DESIGN**

- 847.380.3540
- [led-llc.com](http://led-llc.com)

**Documents / Resources**



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