

## Installation Instructions: Utility & High-Power LED Lamps

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### Installation Notes & Precautions:



Direct-Wire Utility/High-Power LED Lamp

- *Read all precautions, warnings, instructions contained in this document.*
- These instructions can be used to install direct-wire Utility/High-Power LED Lamps.
- Installation should be performed by a qualified electrician or installer.
- Operating voltages: 120VAC to 277VAC  
*CAUTION: Wire the fixture as shown in Step 2 below.*
- Direct-wire Utility/High-Power LED Lamps are designed to operate on direct AC voltage from the mains circuit. Verify that the fixture is properly prepared for this type of LED lamp before inserting it into luminaire (modify luminaire according to these instructions).
- Operating temperature range: -20 °F to 140 °F
- This light source is not intended as an emergency exit fixture or light source.
- When retrofitting an existing luminaire with a direct-wire Utility/High-Power LED Lamp, the initial luminaire retrofit wiring changes shall be performed by a qualified electrician.

### Warnings:

-  **WARNING – Risk of fire or electric shock. Do not alter, relocate, or remove wiring, lampholders, ballasts or any other electrical component without first contacting a qualified electrician for assistance.**
-  **WARNING – To prevent wiring damage or abrasion, do not expose wiring to exposed edges of sheet metal or other sharp objects.**
-  **WARNING – Always disconnect power for your safety when performing the luminaire modification steps below! In some cases, it may be necessary to test the power feed with the power connected. Only connect the power when doing the testing, then disconnect the power from the luminaire when performing the steps below.**
-  **WARNING – Always follow local and regional NEMA Electrical codes. NEMA codes provide information on proper procedures, safety guidelines, proper tools, connection methods, and specifications on materials.**
-  **WARNING – Revolution Lighting Technologies, Inc. cannot and will not be liable for any modifications or results of modifications to electrical devices or luminaires. These instructions are provided as a reference. By using the included instructions, you are solely responsible for following all applicable electrical safety procedures, codes, methods, and materials. If you are unsure about any electrical modification or installation, please consult a licensed electrician or electrical contractor in your area.**

### Cautions:

-  **CAUTION – Risk of Shock. Use in Dry or Damp Locations Only.**
-  **CAUTION – Do NOT install a direct-wire LED Utility/High-Power Lamp into an HID luminaire containing a live ballast, ignitor, and capacitor. These components must be disconnected during initial installation.**
-  **CAUTION – Do not make or alter any open holes in an enclosure of wiring or electrical components during lamp installation.**

## Contents:

Carefully open the box and check contents. Contact Revolution Lighting if any items are missing.		
Qty. 1	<b>DIRECT-WIRE LED UTILITY/HIGH-POWER LAMP [SKU #: (as ordered)]</b>	Direct-Wire LED Utility/High-Power Lamp

## Direct-Wire Utility/High-Power Lamp Installation Instructions:

### STEP 1 – Disconnect Power



- Disconnect power to installation site.  
**WARNING: Ensure that all power is off using a voltmeter or other method.**

### STEP 2 – Wiring & Installation of High-Power Lamp

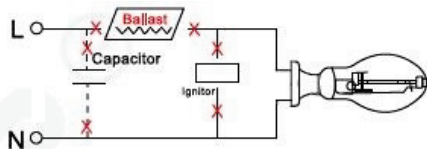


Fig. 1: Cut All Connections to Ballast, Capacitor & Ignitor

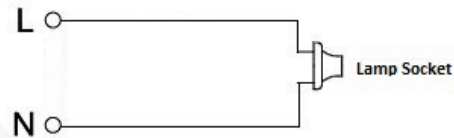


Fig. 2: Create Direct Hot & Neutral Connections from Mains to Lamp

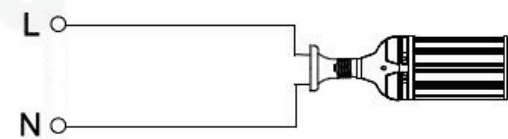


Fig. 3: Insert LED Lamp by Screwing it Clockwise into Socket

- Remove existing lamp and dispose of it according to federal, local, company and job-site rules and regulations.
- Following manufacturer's instructions, open up the fixture housing to gain access to the lamp, ballast, and other electrical components within fixture.
- Cut all connecting leads to the ballast, ignitor, and capacitor, as shown by the red 'X's' in Fig. 1.
- Create a direct connection from the incoming hot (L) and neutral (N) leads to the lamp-socket connectors as shown in Fig. 2. Splice in extra wire of the appropriate gauge, if needed.
- Cap and secure all exposed wires using appropriate wire nuts.
- Install Utility/High-Power LED Lamp by screwing it clockwise into the socket, as shown in Fig. 3.
- Close up and secure luminaire housing.

### STEP 3 – Reconnect Power



- Switch power back on.