

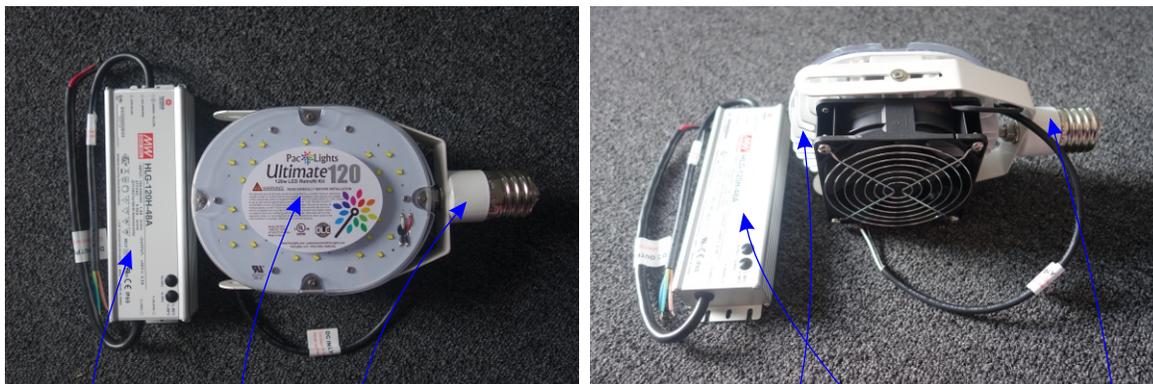
PacLights Ultimate LED Retrofit Kit Installation Guide



Retrofitting Parking lot shoeboxes, streetlights, floodlights, wall packs, high bays, and canopies has just been made simple. The unique design of the Yoke mount give the Ultimate Retrofit series the ability to retrofit a majority of fixtures whether it is a vertical or horizontal installation. As you will see in the following pictures, the Ultimate retrofit products are able to replace Metal Halide bulbs from 150W to 1000W. The PacLights Retrofit kit comes in the following configurations:

- 60W.....5500 lumens, which replaces 250W-300W MH or HPS
- 100W...9500 lumens, which replaces 400W MH or HPS (used in Wall packs and Canopies)
- 120W...11,400 lumens, which replaces 400W MH or HPS, used in all situations
- 240W...23,000 lumens, which replaces 750W MH or HPS
- 320W...28,000 lumens, which replaces 1000W MH or HPS
- 400W...36,000 lumens, which replaces 1500W MH or HPS

****NOTE**** In all retrofit solutions the **reflector must be removed** to improve air circulation within the fixture. It is not needed and by removing the reflector allows the air to circulate and have better heat dissipation keeping the LED's cooler and improving longevity. It's also recommended to **remove ballast or any other components** inside the fixture to improve air flow, and they are no longer needed. **Please remove the clear plastic cover (with model sticker) on the LED panel ONLY after installation, otherwise may damage the LEDs.**

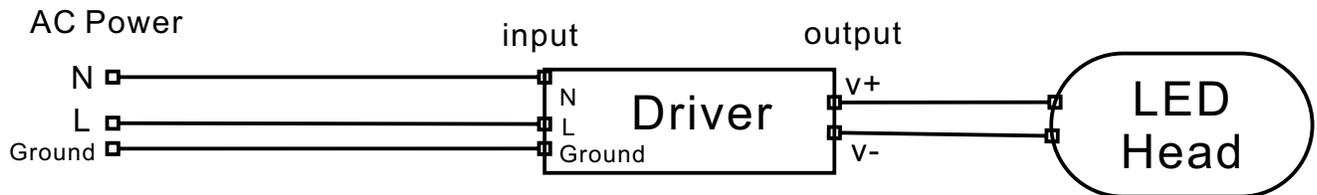


Package Includes (RK120LV as example):

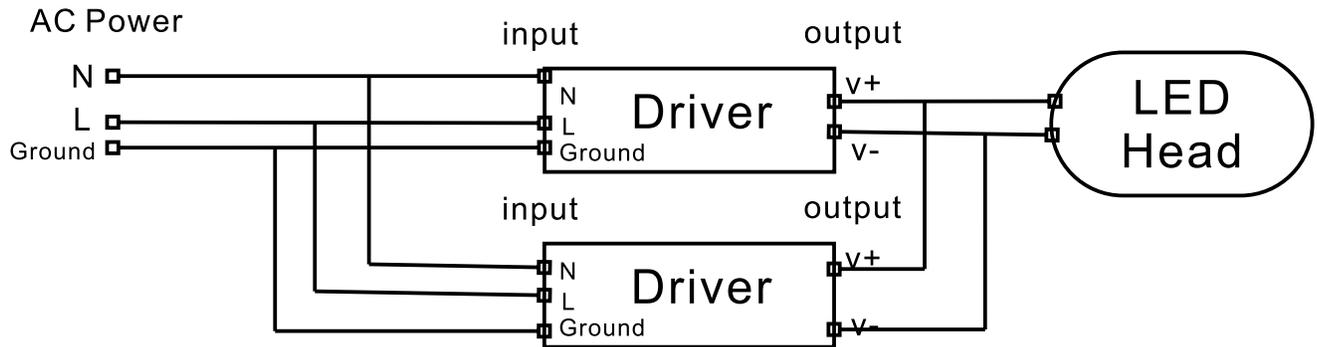
- 1 x LED Head
- 1 or more Driver(s) - (depends on models)
- 1 x Yoke Mount (mogul base only as placeholder)

How to Connect

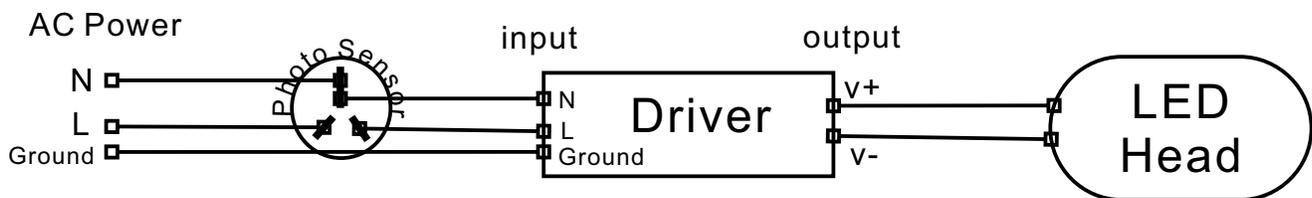
Direct Connection to AC Power (default, 1 x Driver)



Direct Connection to AC Power (default, 2 x Drivers or more)



Connection with "Dusk to Dawn" Photo Sensor (optional)



Shoeboxes and Flood Lights



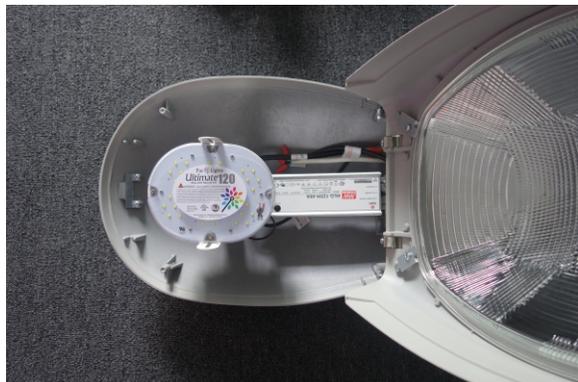
Retrofitting these type of fixtures are very easily accomplished. You just remove the bulb and reflector. A driver plate (not included) is mounted very easily to a screw port on the backside of the fixture. The light head is then screwed into the mogul base. You are able to adjust the light head to assist giving the proper lighting to the area. The light head can also be mounted on the backside of the fixture as shown in above photos.

Wall Packs



The reflector is removed. The driver plate (not included) is attached very easily to a screw port on the backside of the wall pack. The driver is attached to the plate. The light head is then screwed into the mogul base only as a placeholder. (The mogul base does NOT power the light head.) The light head can also be mounted without the mogul base as shown in above photos.

Cobra Heads (Street Lights)



The mogul base was attached to the reflector when it was removed, the light head and driver can be mounted on the backside of the fixture as shown in above photos. A customized plate might be needed for the installation in some other fixtures.

HighBay



Typical 400W High Bay lights are an easy retrofit. The LED driver replaces the ballast in the ballast box. The Ultimate LED head is then screwed into the mogul base and the wires are connected.

Should the ballast box not be large enough to accommodate the LED driver, the driver can be attached to the Yoke bracket using an extra driver bracket (not included) as shown on the photo on the left.

Canopies

Canopies are easy installations. Whether the bulb is vertical or horizontal installation, the versatility of the Yoke bracket makes retrofitting these fixtures an easy install. With any installation, try to open the fixture and look inside to find out if it is a vertical or horizontal installation.