

# LED Retrofit Kits




"All of the energy savings and rebates at a fraction of the cost of a new fixture. A perfect solution...."  
National Federation of Facilities Management



Universal Mounting Bracket  
(DLC Approved)



# Specifications

<b>Wattage:</b>	150W	200W
<b>Model Number:</b>	AE-L-RK-150	AE-L-RK-200
<b>DLC #:</b>	GI-RT-150	GI-RT-200
<b>DLC Partner:</b>	GREEN INOVA	
<b>ETL/cETL:</b>	Yes	
<b>Certifications:</b>		
<b>Voltage:</b>	120-277V(Default) / 277-480V	
<b>Power Factor:</b>	0.98	
<b>Frequency:</b>	50/60Hz	
<b>Lumens Efficiency:</b>	120LM/W	
<b>Kelvin (CCT):</b>	4000K/5000K/5700K	
<b>CRI:</b>	80+	
<b>Beam Angle :</b>	30° / 60° / 90° / 120°(Default)	
<b>Light Distribution:</b>	Type 1~5	
<b>Materials:</b>	Die Cast Aluminum	
<b>Finish:</b>	White (Default)	
<b>LM70 Life Time:</b>	100,000	
<b>Dimming Availability:</b>	NA. (Default)	
<b>Warranty:</b>	6 Years	
<b>Temperature Range:</b>	-34°C ~ 54°C (-30°F ~ 120°F)	
<b>Dimensions:</b>	10.4" x 4.8" x 1.5"	
<b>Weight:</b>	0.85KG 1.9LB	
<b>Replacement Wattage:</b>	600W	800W

# User Guide

## Note:

Please read this entire manual to fully understand and safely use the luminaire. The products can be used at the voltage of 100-277V AC, 50/60HZ, suitable for indoor and outdoor, moisture proof and dust proof. Specifications are subject to change without notice. Please visit [www.altechefficiency.com](http://www.altechefficiency.com) for the most recent product information.

## Unpacking:

1. Unpack and carefully examine the product.
2. Report any damage and save all packing materials if any part(s) were damaged during shipping.
3. Do not attempt to use the fixture if it is damaged.

## Before You install:

1. Before installing any light fixtures, read and understand all cautions, warnings, instructions and product labels. Failure to do so can result in injury and/or void the warranty.
2. CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR.
3. The product should be installed and operated by a qualified electrician or technician in accordance with relevant local codes.
4. Risk of electric shock. Ensure that main power source is off when wiring or soldering the sections of the product.
5. CONFIRM THAT THE LINE VOLTAGE IS CORRECT FOR THE DRIVER!!

## Maintenance:

1. Disconnect the product from the power supply prior to cleaning.
2. Use a dry or slightly moistened cloth for cleaning.
3. Never use any chemicals or abrasive materials for cleaning.



## Installation Instructions:

1. PERMANENTLY REMOVE THE FIXTURE'S REFLECTOR. RETROFIT WARRANTY IS VOID IF THE FIXTURE'S REFLECTOR IS NOT REMOVED. UNDER NO CIRCUMSTANCES IS IT OK TO LEAVE THE REFLECTOR IN THE FIXTURE. REMOVING THE REFLECTOR PROVIDES EXTRA AIR FLOW CAPACITY THAT IS USED TO KEEP THE LED HEAD AND DRIVER COOL.
2. Wipe excess dust from inside the fixture.
3. Never take the retrofit kit apart. There are no serviceable parts. Never touch the LED chips. THIS MAY VOID THE WARRANTY.
4. Remove bulb and existing ballast and/or cut the wires to the ballast and bypass it.
5. BE SURE THAT NOTHING WILL TOUCH OR FALL INTO THE FAN BLADES AFTER THE FIXTURE IS MOUNTED.
6. Install the LED driver in place of the ballast. You may customize the driver mounting plate by drilling holes so that it will mount into the fixture's existing screw posts.
7. The proper AC input connections to the driver are marked on the driver. There is a Ground, ACN (Neutral) and ACL (Live).
8. Loosen the attachment nut of the Y-bracket/base assembly. Screw the base into the fixture's socket. Use the adapter if needed. POWER DOES NOT COME FROM THE FIXTURE'S SOCKET. It only holds the bracket assembly in place. Position the Y-bracket in the desired direction and re-tighten nut.
9. Driver Output: Connect red wire to corresponding wire of the LED light, and black wire to corresponding of the LED light.
10. REMOVE THE PLASTIC COVER FROM THE LED HEAD. FAILURE TO DO SO WILL VOID THE WARRANTY.
11. Re-assemble remaining parts of the fixture and restore power.
12. When the light is on, the metal body will get hot. Do not touch.
13. Never install a dimming control on a non dimmable LED driver.
14. Not intended for use with emergency exits or emergency lights.

### For Custom Bracket Measurements

1. Provide interior dimensions of the fixtures.
2. Provide distance and location by measurement of screw holes that are securing the reflector.