

CANTOUSA

INNOVATIVE LIGHTING PRODUCTS

RETRO-HPL Series Installation Manual

Incandescent Replacement LED Engine



RETRO-HPL

The RETRO-HPL Series

Energy Efficient LED Light Engine

Designed to retrofit directly into existing Source 4® PAR fixtures.

The RETRO-HPL is a CSA listed retrofit kit that rapidly transforms existing inefficient HPL incandescent fixtures into energy efficient LED fixtures. Our patented technology allows the fixture to smoothly dim from 0-100% utilizing existing dimming technology. Our LED technology creates even fields and delivers consistent color.



CAREFULLY READ THE INSTALLATION INSTRUCTIONS BEFORE USING THIS FIXTURE.

This Retrofit is intended for the Source 4® PAR. This unit replaces the lamp inside the PAR fixture while providing new optics for your various light output needs. This retrofit is compatible with a Source 4® PARnel and details for installation will be covered in another future installation guide. If you have questions about this please contact Canto USA for assistance.

WARNING: DO NOT USE ETC® LENSES OR GEL FRAME IN THIS UNIT. If the use of gel is required there is a magnetic gel frame that can be purchased separately. Accessories, like open barn doors and top hats, that do not obstruct air flow are acceptable.

The instructions given here ensure safe usage of this product. Failure to comply with the installation, operation, maintenance and safety procedures mentioned in this manual as well as those generally applicable to lighting equipment, may cause the fixture not to perform as expected.

CantoUSA accepts no liability for direct, indirect, incidental, special, or consequential damages resulting from failure to follow the installation, operating, maintenance and safety procedures described in this manual. These limitations extend to damages for personal injury, property damage, loss of operation, loss of profits, loss of product or loss of time, whether incurred by the customer, the customer's employees, or third-party vendors or users.

Apart from the instructions given in this manual, all relevant safety and health standards of the appropriate local city and state electrical / safety directives must be complied with.

PLEASE SEE OUR GENERAL TERMS OF SALE AND WARRANTY CARD PROVIDED WITH YOUR NEW EQUIPMENT OR EMAIL US FOR A COPY AT ANY TIME.

PLEASE READ: Before installation, the installer must perform a detailed inspection of the ceramic socket looking for damage caused by excessive heat and/or age. It is highly likely that the socket is in need of replacing, if the inspection finds that this is the case, you should opt for one of the following solutions:

1. A direct wire hookup by removing the socket and using 2 WAGO connectors to hard wire the unit into the housing.
2. Replace the socket.

Damage caused to the Retrofit upon installation due to a loose or poor connection can cause electrical arcing within the socket connection, which will cause premature failure of the unit.



**For more information on this product please contact us
at 888-252-5912 or visit our website at cantousa.com**

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BEFORE YOU GET STARTED, PLEASE READ THESE INSTALLATION INSTRUCTIONS COMPLETELY.

WHAT'S INCLUDED IN THE BOX

THIS VERSION COMES WITH THE REFLECTOR CHOSEN AT TIME OF ORDER ALREADY MOUNTED.



RETRO-HPL Unit with Reflector
and Bare Wire Top



RETRO-HPL
Lamp Adapter



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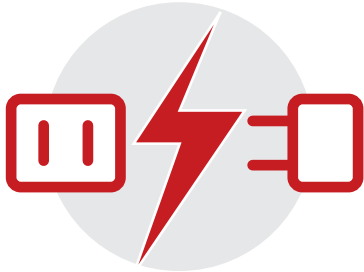
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INSTALLATION INSTRUCTIONS FOR THE RETRO-HPL:



STEP 1

Upon opening the boxes, please make sure the RETRO-HPL units are undamaged and in good physical condition.



STEP 2

Unplug the Source 4® PAR from its power source and allow the unit to cool if it is hot.



STEP 3

Remove the rear cap and remove the lamp. Recycle or discard the lamp per local requirements, codes, or customs. Inspect the lamp cap to make sure there is no damage and that existing wiring and connectors are in good condition. Repair or replace if damaged.



STEP 4

Remove the lens from the front of the Source 4® PAR. YOU WILL NOT NEED THESE AGAIN.



STEP 5

Turn the existing inside lens ring of the Source 4® PAR so the 2 tabs are at the bottom as shown in the image to the left.



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INSTALLATION INSTRUCTIONS FOR THE RETRO-HPL: (CONTINUED)



STEP 6

Separate the HPL plug from the RETRO-HPL, feeding the wires through the back of the Source 4® PAR.



STEP 7

Place the RETRO-HPL in with the smooth plate from the RETRO-HPL behind the 2 tabs as shown in the image to the left.



STEP 8

Hinge the plate up until it locks behind the spring tab. This process is almost identical to replacing the lenses that came with the Source 4® PAR.



STEP 9

Connect the RETRO-HPL lamp adaptor using the included WAGO connectors to the wires of the unit that were fed through the Source 4® PAR in Step 6.



STEP 11

Now plug the larger plug into the lamp socket in the cap that was removed in step 3 (or a replacement cap if original cap was determined to be defective) and replace the cap onto the back of the Source 4® PAR.



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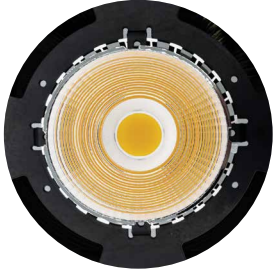
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INSTALLATION INSTRUCTIONS FOR THE RETRO-HPL: (CONTINUED)



STEP 12

Double check the RETRO-HPL is seated correctly into the Source 4® PAR and that the lamp cap is securely attached to the back of the Source 4® PAR.



STEP 13

To change reflectors. Choose the reflector desired, seat it into place.



STEP 14

Plug the Source 4® PAR back into its circuit and test to make sure it is responding correctly.

We hope that you enjoy this product as it's intended to provide the same dimming capabilities with significantly less power consumption. Please feel free to give us a call with any questions you may have about your installation.

WARNING: DO NOT USE ETC® LENSES OR GEL FRAME IN THIS UNIT. If the use of gel is required there is a clear lens to use with gels that can be purchased separately. Accessories, like open barn doors and top hats, that do not obstruct air flow are acceptable.



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INSTALLATION INSTRUCTIONS FOR THE RETRO-HPL: (CONTINUED)

TROUBLESHOOTING:

Should the RETRO-HPL not function please check power, all connections, and the installation instructions to make sure that it was installed correctly. If the unit still does not function we recommend you call us at **888-252-5912** or contact the local dealer who supplied the product to you.

ACCESSORIES:

CantoUSA offers magnetic gel holders and wire screens for use with the RETRO-HPL. Please call your dealer or our sales team at **888-252-5912** should you need to order these.

SPARE PARTS

All components are available as spare parts. We strongly recommend you always use original components as spare parts. Please call our technical team at **888-252-5912** should you need to order and/or replace any parts on your RETRO-HPL unit.

WARRANTY

Our warranty covers all structural and manufacturer defects for five years from the date you purchased this product and 10 years on any LED array. In case of any issues, we strongly recommend you call us at **888-252-5912** or contact the local dealer who supplied the product to you. In any case, please report the serial number of the product when making a warranty claim.



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