



**VRMUNV036RD7yyA**

**14" Round  
LED Retrofit Kit for  
Garage Lights and Gas  
Station Canopies**

# LED Retrofit Kit for Signify® Gardco Garage Lights



ETL CLASSIFIED



Intertek  
5027868

Gardco is a  
trademark of  
Signify Holding.

Integrated LED Retrofit Kit with LED Module,  
LED Driver, heatsink and 10KV SPD.

# Target Luminaire

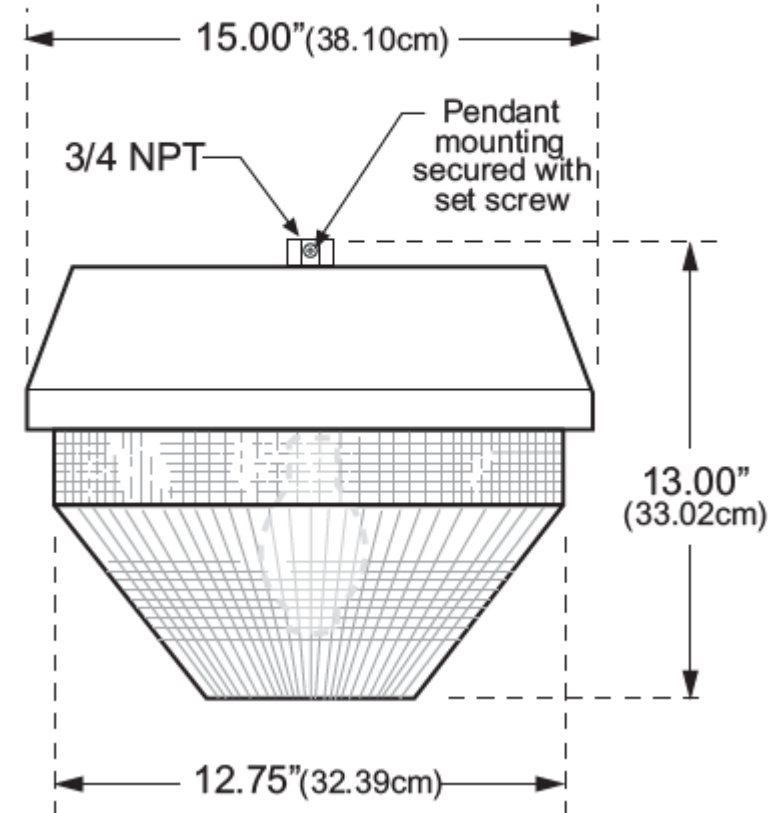


## Original Luminaire

Mfr. Signify - Model: RSP-HAZ / RSP-E-HAZ



## Minimum Luminaire ④ Dimensions



The LED Retrofit Kit can retrofit any similarly-shaped luminaire with a volume greater or equal to the minimum dimensions shown on the Installation Instructions, with a minimum mounting surface of 14" Diameter.

# General Specifications



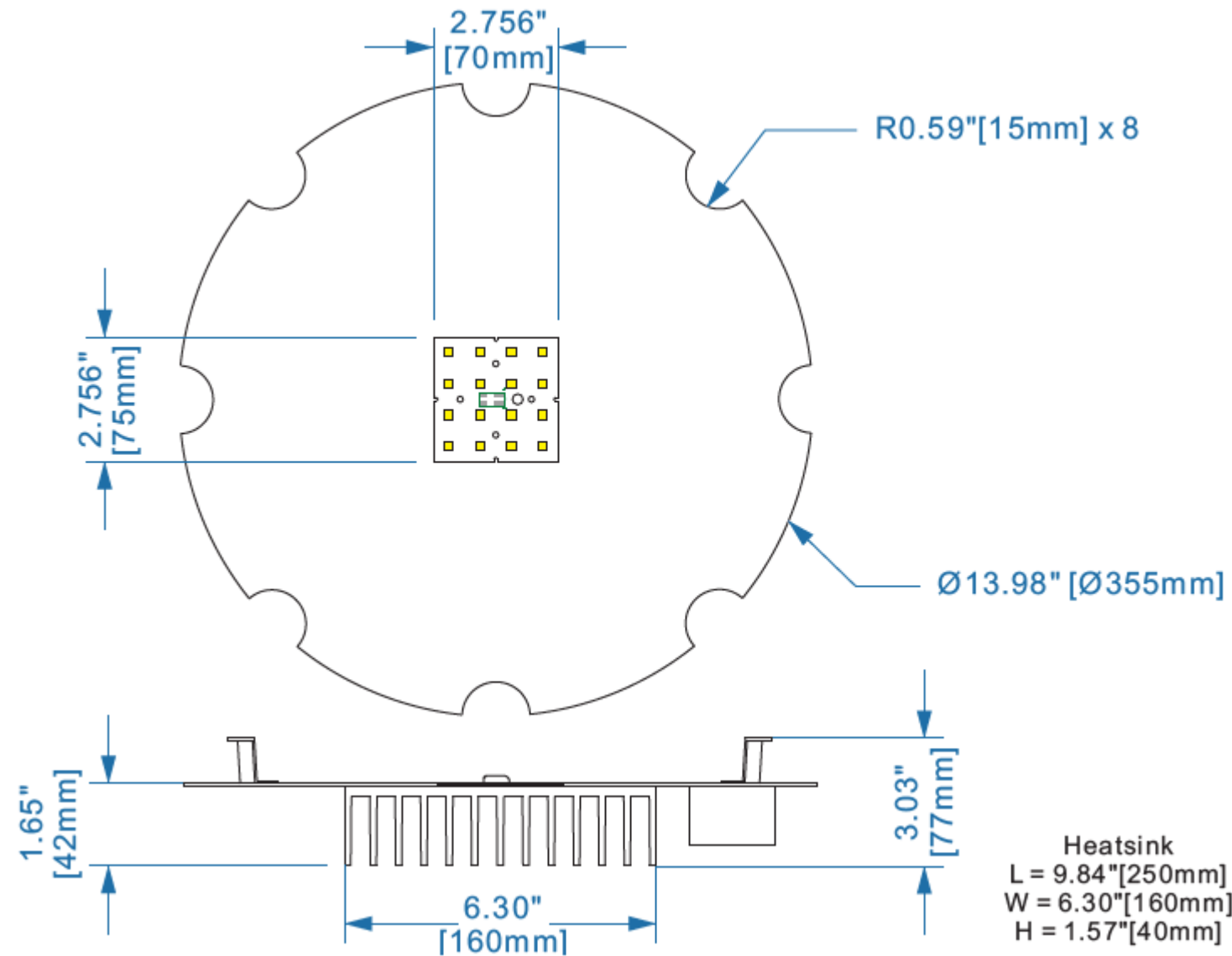
- Input Voltage: 120-277VAC, 50/60Hz
- Input Current: 0.34A@120VAC
- Input Power: 39W (ETL Claim); typ. measurement 37W.
- Lumen output: 6067lm without luminaire lens
- Efficacy: 164lm/W without luminaire lens
- CCT: 4000K Standard; other CCT available
- CRI: 70 Standard; 80,90 available
- Dimming: Reserved, 0-10V, 100%-10%
- Operating Ambient Range: -25°C ~ 55°C
- Surge Protection: MCOV: 320V; I<sub>max</sub>: 10KA
- Overall size: Φ13.98" x 3.03" H
- Lumen Maintenance: L70>54,000hrs, L90 = 37,000hrs @ T<sub>c</sub> = 105°C
- Warranty: 5 Years
- Certification: Driver – cULus Listed, Class P, Type HL
  - Module – cURus Recognized
  - Kit – cETLus Classified
- Dry and Damp Location
- RoHS compliant

# Highlights

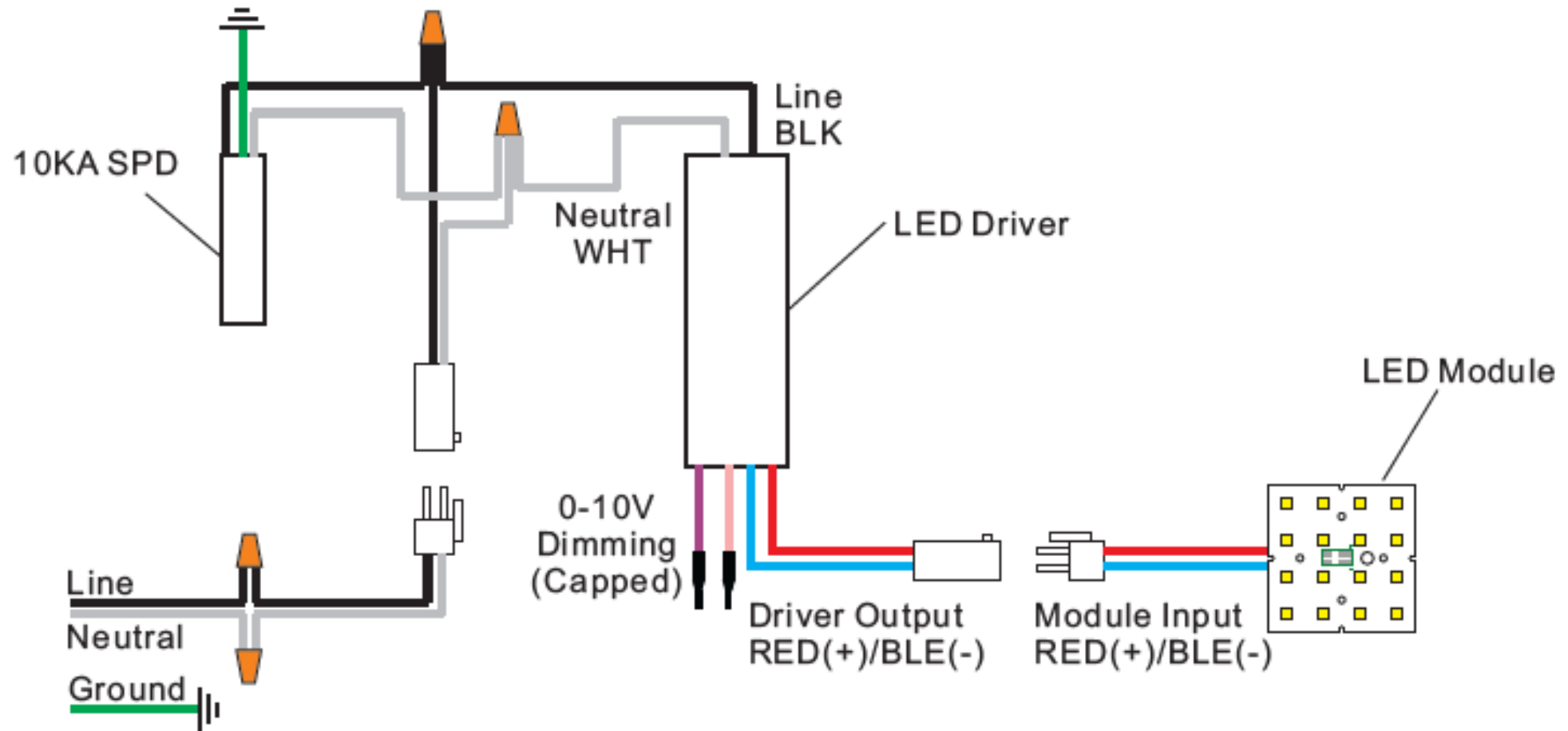


- Retrofit kit suitable for Canopy, Garage Luminaires
- Suitable replacement for applications using 70-250W HID
- High efficacy: 50% power saving to HID
- Instant on/off, no cool down time needed
- External SPD for 10kV surge
- Integrated one-piece Retrofit Kit, easy to install, labor saving
- Quick connectors for driver input & output, no wire cut needed for installation
- cETLus Classified Retrofit Kit for field installation

# Dimensions



# Wiring Diagram



All parts are pre-installed and pre-wired as a one piece kit.  
No need for additional wiring, except wiring the input & ground leads.

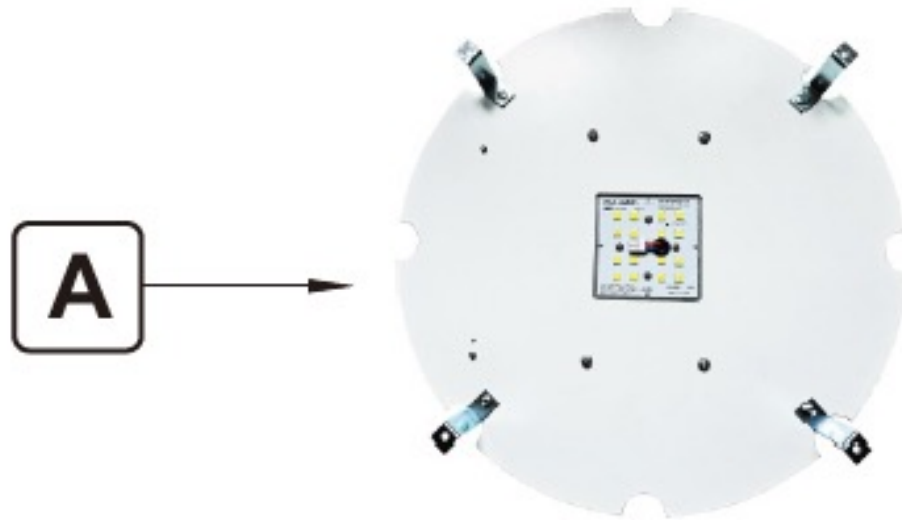




# Installation Instructions



# Retrofit Kit Components



LED Engine Retrofit Kit

**A**

**B**

This luminaire has been modified to operate LED lamps. Do not attempt to install or operate HID lamps in this luminaire.

REPLACE ONLY WITH FULHAM  
ELECTRONIC CO.: VRMUNV036RD740A

Ce luminaire a été modifié pour fonctionner correctement Lumières LED.  
N'essayez pas d'installer ou de faire fonctionner Lampe HID dans ce luminaire.

REPLACER UNIQUEMENT AVEC FULHAM  
ELECTRONIC CO.: VRMUNV036RD740A

Retrofit Label

Note:

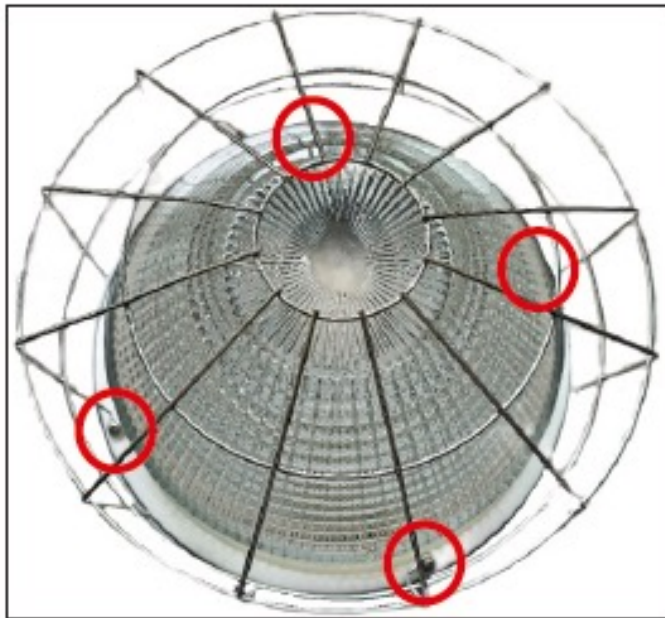
The LED driver, LED module and the SPD are all pre-wired on the kit with quick disconnect or wire nuts.

# Retrofit Kit Assembly



**STEP1:** Disconnect power before servicing. Remove all four screws on luminaire lens to gain the access to internal components.

**Note:** Please keep all original screws during the retrofit process.



**STEP2:** Remove all original LED engine, LED driver, or lamp, lampholder, ballast from the luminaire housing. The housing should be shown as below ready for new retrofit kit.

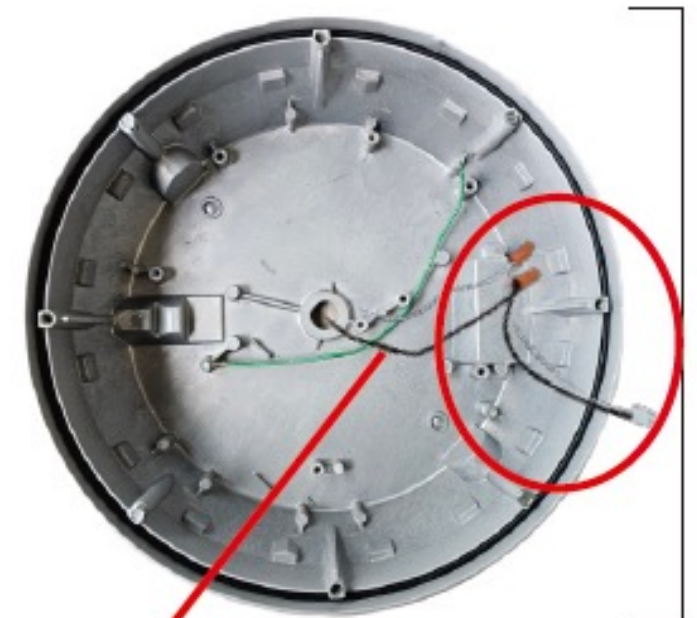
**Note:** The original luminaire ground wire will need to be kept for this retrofit.



**Note:** A new ground wire is also provided along the kit. If there's no ground wire in original luminaire, use the provided one.

**STEP3:** Disconnect the input harness from the received retrofit kit. Wire nut the input harness leads to the existing branch circuit supply leads.

**Note:** Input harness and two wire nuts come with the retrofit kit.



The existing branch circuit supply leads.

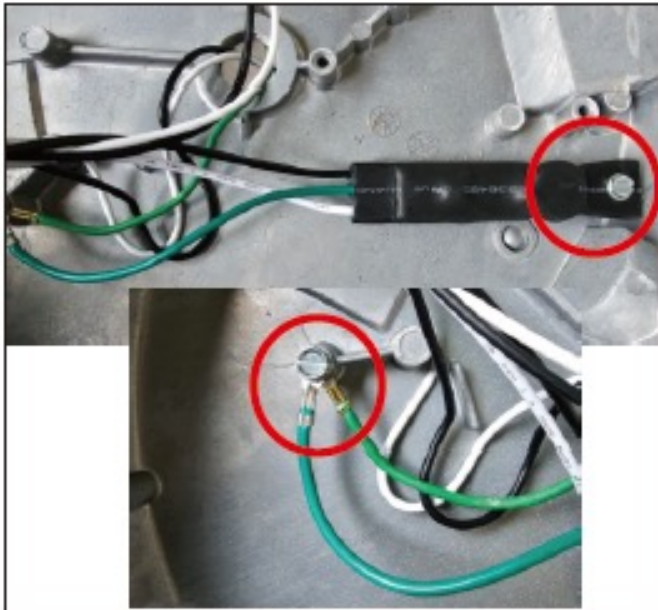


# Retrofit Kit Assembly

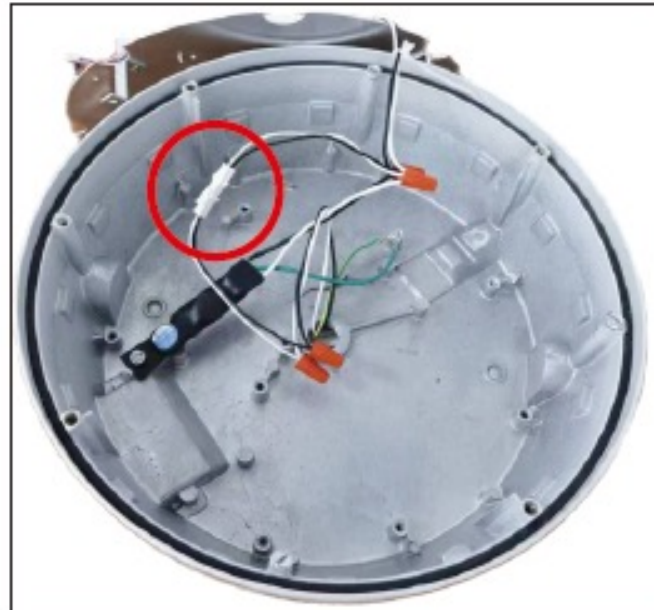


**STEP4:** Screw the Surge Protector (SPD) to the showed luminaire boss. Screw the SPD's ground terminal together with the luminaire ground terminal onto the original ground boss.

**Note:** Use the original #10 screws in luminaire to fix the SPD and ground terminals.



**STEP5:** Mate the input harness quick disconnect.



**STEP6:** Place the retrofit assembly into the housing and mount using four original 10-24x3/8" screws.

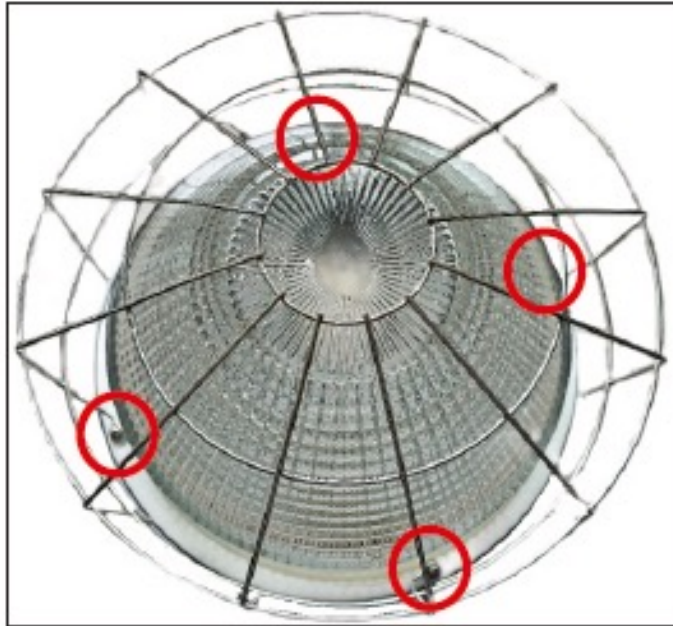


# Retrofit Kit Assembly



**STEP7:** Use the original four screws to install the luminaire lens back onto the product.

**Note:** For all models, live parts should not be accessible after installation.



**STEP8:** Place the provided Retrofit Label on the outer housing of the luminaire. Label must be clearly visible and should not be obscured by line voltage cables.

