



## R54-K1 Retrofit Kit

## Installation & Maintenance Information

### APPLICATION

The R54-K1 kit includes all the hardware necessary to convert a refractor mount Champ lighting fixture, that used the discontinued R24 and R54 refractors, to a globe mount Champ fixture that will accept the GR Series refractors. GR Series

refractors may be mounted on DMV or VMV High Wattage Champ ballast enclosures in either existing or new installations. These refractors provide an enclosed gasketed luminaire with IES type II or V light distribution.

### INSTALLATION

#### WARNING

Electrical power must be **OFF** before and during installation and maintenance.

1. Remove the old style R24 or R54 refractor by pushing up and rotating to the left, then pull down to release refractor assembly.
2. Open the ballast housing by loosening the captive screw between the ballast housing and top hat.
3. Disconnect the supply wires and remove the ballast housing.
4. Place the ballast housing on work bench with cover side toward bench surface.
5. Unscrew and remove the four (4) mounting studs that held the old style refractor in place. Then remove the aluminum plate (inner reflector) from the ballast housing. If necessary, remove the gasket on the ballast housing and replace with the one supplied as part of the R54-K1 kit. The gasket lip must be on the inside, facing the lamp holder.
6. Place the globe adapter (0303866) over the ballast housing, aligning the four (4) holes with the tapped bosses in the ballast housing. Attach the adapter to the ballast housing using the four (4) #10-24 screws provided. Tighten securely. Insert the flat gasket in the threaded adapter's cavity making sure that the holes in the gasket line up with the screws in the adapter for a flush fit.

7. Place the aluminum inner reflector over the two inner holes on the adapter and fasten in place using the two (2) #8-32 screws provided. Tighten securely.

#### WARNING

Use fixture only on grounded system. Make sure that supply voltage is the same as fixture voltage.

#### WARNING

Use methods that comply with the NEC and any local codes when wiring.

8. Hang the ballast housing on the top hat (mounting module) and reconnect the supply wires using methods that comply with the National Electric Code and any applicable local codes. Tighten the captive screw to fasten the ballast housing to the top hat.
9. The fixture is now suitable to accept the GR Series refractors. Proceed with IF1285 provided with the refractor for proper refractor installation.

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IF587  
Revised 3/93  
Supersedes 7/80 Issue  
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