



















## INSTALLATION INSTRUCTIONS (1/2)

### TYPICAL COMPONENTS

-  (1) Projector Supplement
-  (3) Black Male Knobs
-  (1) Curved Washer
-  (4) Washers
-  (4) Black Female Knobs
-  (1) Focal Cone
-  (1) Focal Lens Clip
-  (1) Focal Lens Spacer
-  (2) Focal Lenses
-  (2) Condensing Lenses
-  (1) Glare Shield
-  (1) Mounting Cradle
-  (1) Rotating Ring
-  (1) Projector w/ LED Light Engine
-  (1) IC-Rated Housing
-  (1) Trim Ring
-  (3) Metal Slides (optional)
-  (1) Metal Gobo (by others)

### READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE INSTALLATION – SAVE THESE INSTRUCTIONS!

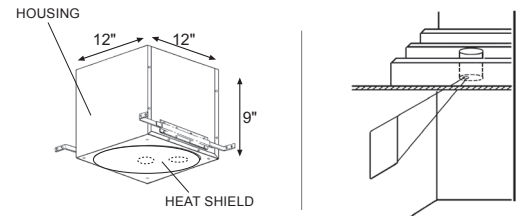
These fixtures are intended for installation in accordance with the National Electrical Code and local regulations. To ensure full compliance with local codes and regulations, check with your local electrical inspector before installation. To prevent electrical shock, turn off electricity at fuse box before proceeding. Remove all components from shipping carton. The instructions are in a step by step sequence for correct and easy assembly. Save the shipping carton and packing materials until job is complete.

#### 1. TAL INSTALLATION METHODS

You have two options for a custom installation using the Phantom TAL projector and housing. The recommended method is described below in Step 3 of the installation. The second method is the Wendel Technique whereas the projector penetrates the ceiling and is plastered in place inside the housing without a trim ring and focal cone painted to match the ceiling. This method requires previous experience with Wendel equipment and cutting hand cut templates. If you are interested in attempting the Wendel Technique, please contact the factory for additional information.

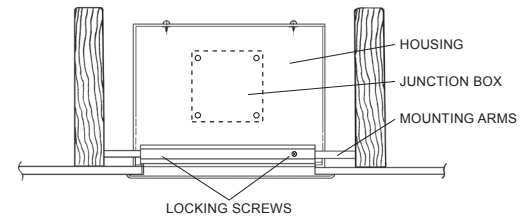
#### 2. DETERMINE MOUNTING LOCATION

Because this is a custom installation, a second person will be required to assist in the testing, installation and final adjustment. Determine the exact location and verify adequate space between rafters and depth of ceiling cavity to accommodate housing before proceeding. A projector supplement has been provided to illustrate projector performance, mounting locations and beam configurations.



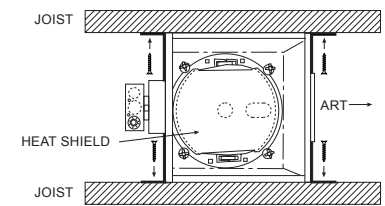
#### 3. MAKE PILOT HOLE / IDENTIFY FRAMING CONFLICTS

Once you have determined the best location for the projector, go into the attic to see if you have the area necessary to install the housing. Using Philips head screwdriver, make a hole in the best location for the projector trim. After making your hole, go to the floor below & check to see if it is in the correct location.



#### 4. INSTALL HOUSING / HEAT SHIELD / TRIM RING

Keep the hole that you made with the screwdriver in the center of the elongated hole in the heat shield. Adjust the housing forward, backward, left or right as needed to maintain the target angle. The mounting arms are turned inwards for shipping purposes, rotate the arms to the outward position so that you will have a better drilling position for your mounting screws. Extend the mounting arms to fit snugly between joists and screw into place. Tighten the three hex head screws to anchor arms and secure to housing.



**SEE REVERSE SIDE OF THIS PAGE FOR FURTHER INSTALLATION INSTRUCTIONS**

## INSTALLATION INSTRUCTIONS (2/2)

INSTRUCTIONS BEGIN ON REVERSE

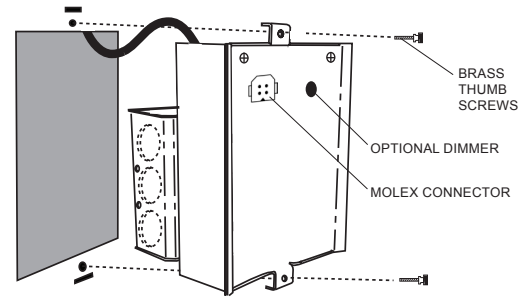
### WARRANTY & RETURNS

**WARRANTY:** PHANTOM™ LIGHTING SYSTEM warrants its products against defects in any material and workmanship for one year from the invoice date. PHANTOM™ reserves the right to either repair or replace without charge, any properly installed PHANTOM™ product which falls under normal operating conditions within the specified warranty period for fixtures (excluding lamps) and transformers, provided it is returned to the factory, transportation prepaid, and our inspection determines it to be defective under the terms of the warranty. This warranty covers only equipment manufactured by PHANTOM™ and does not extend to transportation, installation, or replacement charges, nor does it apply to any equipment of another manufacturer used in conjunction with PHANTOM™ equipment. In a progressive policy of research and development we reserve the right to vary and modify specifications without prior notice.

**RETURNS:** Custom fabricated PHANTOM™ products are non-returnable. For all returns (Warranty and Non-Warranty), request an RGA form by email to Sales@PhantomLighting.com. Upon approval an RGA number will be issued. An RGA number does not guarantee that the product is defective or that credit will be issued. Final determination if a product is defective cannot be fully determined until the product is received and inspected before an exchange or credit can be issued. All returned products are shipped prepaid by the customer. If the product is determined as "defective", the product will be repaired or replaced and returned to the customer by UPS® - Ground prepaid by Phantom Lighting. If the product is determined as "not defective", it may be returned to the customer. Products that have been installed cannot be returned. Returns on Phantom products that are not considered custom, parts and accessory items, will be charged a 25% restocking fee. Allow 30 business days from receipt of the product for credit if any to be issued.

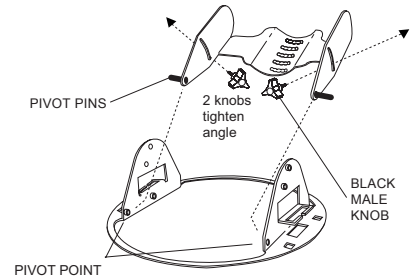
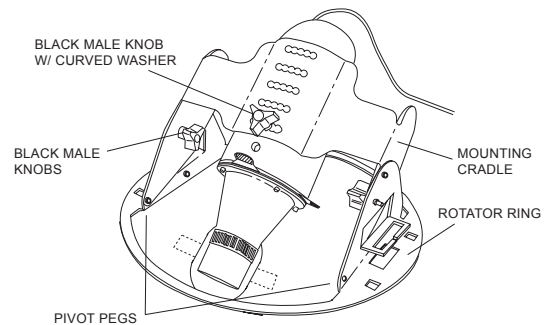
### 5. WIRE-IN / ATTACH J-BOX TO HOUSING

Remove square metal cover from junction box by loosening (2) screws. Remove knock out in junction box and install strain relief fitting before installing supply wiring into junction box. Connect WHITE wire inside junction box to incoming neutral wiring. Connect BLACK wire inside junction box to incoming switch leg. Connect GREEN ground wire inside junction box to incoming ground wire. GRAY & PURPLE wires should remain capped off in junction box unless you are using a remote 0-10V dimming system. If you have selected the onboard dimmer option, the GRAY & Purple wire will not be accessible inside the junction box.



### 6. INSTALL MOUNTING CRADLE TO ROTATING RING

Lower your projector cone into opening and position the projector back at the desired angle. The cradle fits over the projector to hold it into place with mounting attachment up. Install the projector into the cradle with the three keyed holes on the cradle facing up and secure using black knob and curved washer to the center hole. Confirm that your template slot is facing up and accessible once installed. Insert pivot pegs into pivot holes on cradle. Angle projector to correct position and tighten the two black male knobs on the sides of the cradle. See projector supplement and template cutting instructions for detailed instructions regarding projector setup, lens selections and hand cutting templates.



### INSTALL PROJECTOR INTO MOUNTING CRADLE

Connect power lead from projector to receptacle located on the J-BOX cover. Install Contour Projector into mounting cradle and secure using (1) black knob. Tighten (4) mounting screws on outer ceiling flange to lock housing into position.

### 7. SET FOCUS AND ADJUST MASKING METHOD

Adjust projector in mounting cradle and adjust confinement mechanism. (See PROJECTOR SUPPLEMENT for specific details regarding setup and adjustment).

### 8. INSTALL GLARE SHIELD TO TRIM RING ONCE PROJECTOR IS ADJUSTED

### WIRING DIAGRAM

