
















FF SERIES


FLOAT FINISH HOUSING

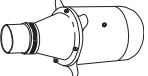
INSTRUCTION SHEET


COMPONENT CHECKLIST


-  (1) Projector Supplement
-  (1) Allen Wrench
-  (3) Black Male Knobs
-  (1) Curved Washer
-  (4) Washers
-  (4) Black Female Knobs
-  (1) MR16/FO Lamp
-  (1) Lens Clip
-  (2) Focal Lenses
-  (2) Condenser Lenses
-  (2) PVC Spacers
-  (3) Sets of Shutters
-  (1) Glare Shield
-  (1) Focal Cone

-  (1) Mounting Cradle

-  (1) Rotating ring

-  (1) Projector

-  (1) Housing

-  (1) Cover Plate

-  (3) Metal Slides (optional)

READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE INSTALLING FIXTURE

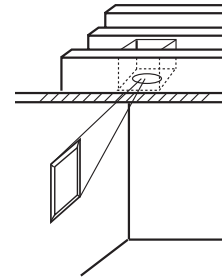
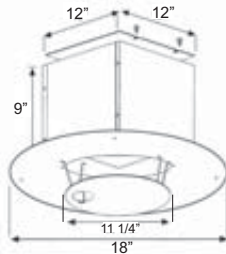
This fixture is intended for installation in accordance with the National Electrical Code and local regulations. To ensure full compliance with local codes and regulations, check with your local electrical inspector before installation. To prevent electrical shock, turn off electricity at fuse box before proceeding. **Retain these instructions for maintenance reference.**

INSTALLATION PROCEDURE FOR PHANTOM FLOAT FINISH FIXTURE

REMOVE THE FIXTURE AND MOUNTING HARDWARE FROM THE CARTON. IDENTIFY ALL PARTS AND READ THE FOLLOWING ASSEMBLY INSTRUCTIONS BEFORE PROCEEDING WITH THE INSTALLATION. THE INSTRUCTIONS ARE IN A STEP BY STEP SEQUENCE FOR CORRECT AND EASY ASSEMBLY. PLEASE FOLLOW THE SEQUENCE! SAVE THE CARTON AND ALL PACKING MATERIALS UNTIL JOB IS COMPLETE. **SAVE THESE INSTRUCTIONS FOR MAINTENANCE REFERENCE!** U.S.. PATENT #6,832,845

1) DETERMINE MOUNTING LOCATION

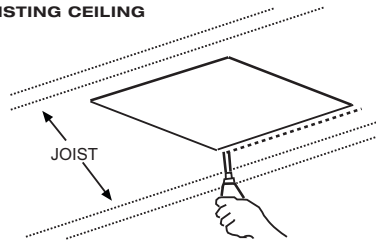
A projector supplement has been provided to illustrate projector performance, location and beam configurations. Determine the exact location and verify adequate space between rafters and depth of ceiling cavity to accommodate housing before proceeding.



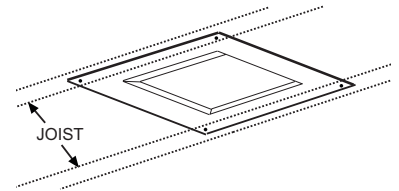
2) CUT OPENING

Using the cardboard template provided as a guide mark the ceiling lightly with a pencil. Cut a small opening inside the mark to inspect for obstructions. If clear, remove the remaining ceiling material by cutting 1/8" outside the pencil mark. Install wiring before installing housing.

EXISTING CEILING



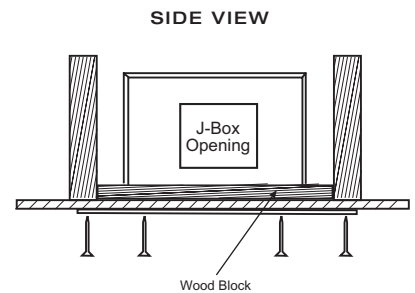
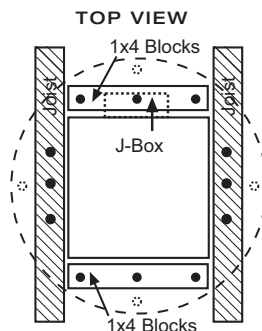
NEW CONSTRUCTION CEILING



3) INSTALL WOOD BLOCKS AND HOUSING

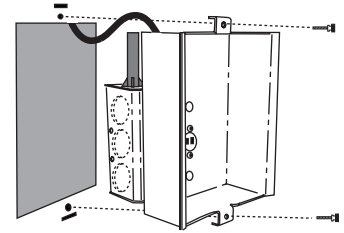
Create a frame around the projector housing using 1 X 4 wood blocks. Using the drywall screws provided, fasten the float plate to the wood frame.

NOTE: Do not over tighten the screws. It might cause the Float Plate to warp.



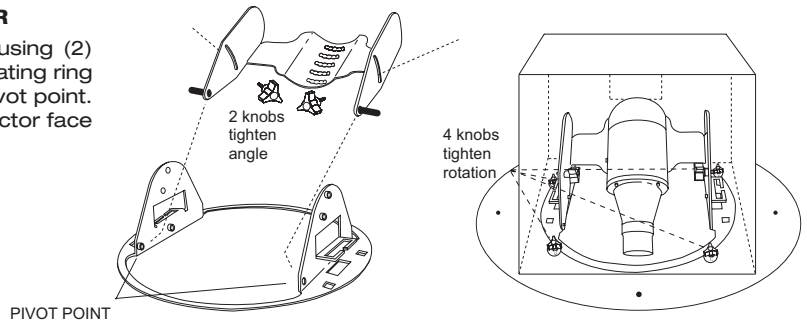
4) WIRE IN AND ATTACH JUNCTION BOX TO HOUSING

Remove metal cover from junction box and install strain relief device before installing wire into box. Connect WHITE transformer and thermal protector lead to neutral supply lead. Connect BLACK thermal protector lead to HOT (120V) supply lead. Connect GREEN fixture wire to supply ground lead. Place all electrical connections in J-BOX and close metal cover. (See wiring diagram on bottom of page)



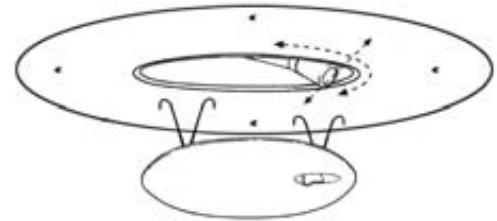
5) INSTALL MOUNTING CRADLE / PROJECTOR

Install projector-mounting cradle to rotating assembly using (2) black knobs provided. Insert the front pivot pegs on rotating ring into the front pivot holes on cradle. This is your angle pivot point. Install projector into cradle with three holes on the projector face down and secure using black wing nut to center hole.



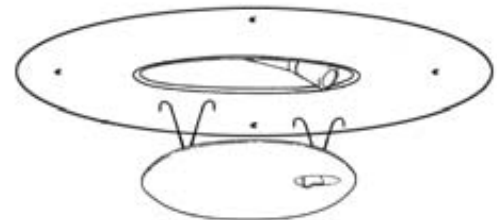
6) ADJUST PROJECTOR

It may be necessary to adjust the projector in the cradle to prevent the focal cone from hitting the cover plate when installed. Confirm position in cradle and tighten screws on ceiling flange ring before doing final adjustments.



7) INSTALL CEILING TRIM

Install ceiling trim to housing using attached torsionite springs. Collapse the springs with your fingers and insert them directly into the "C" shaped tabs located on both sides of the cradle assembly. Allow the panel to gently rest against float panel and check for flush finish. Note: Paint inner panel separately and remove any paint or drywall mud buildup from outer panel to ensure a smooth finished look. (See finishing instructions).

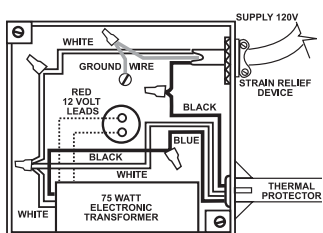


DIMMING NOTES - This fixture contains an electronic transformer that may require the use of a special dimmer.

LAMPING AND TRANSFORMER NOTES

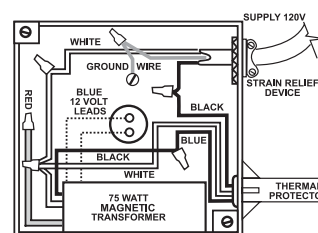
Socket manufacturers have suggested that sockets may fail after 3 to 6 lamp changes. If this occurs, the socket can be replaced by disconnecting the fixture lead wires and replacing it with a new socket procured through PHANTOM™ LIGHTING.

In the event of a short circuit or overload the transformer will automatically shut down the output. The transformer will automatically reset as soon as the short is corrected.



Hatch® electronic transformers are standard on all Phantom Contour Projectors. This transformer has a built in safety device and is designed to power down or shut off in the event of a short in the system. The BLACK and WHITE wires represent the supply voltage or input voltage to the transformer. The two RED wires represent the output voltage or

12 volt AC output going to the fixture. Other input voltages such as 220, 240 and 277 are available as an option as well as 50 Hz models available for our European customers.



volts to the transformer. The BLACK and WHITE wires provide 120 volts to the transformer. The two BLUE wires represent the output voltage or 12 volt AC output going to the fixture. Other input voltages are available for 220, 240, 277 and 50 Hz models for European customers in large quantities by special order only.

The Q-Tran® magnetic transformers with built in thermal protector are optional on all Phantom Contour Projectors. This transformer has a built choke coil to reduce noise levels to about 17db which is well below audible levels of 26db. Dual input voltages of 115V and 120V for extending lamp life. The RED and WHITE wires provide 115