



FLUORESCENT LIGHTING

FL-20ES
08/10

QUESTIONS OR CONCERNS, CONTACT CANARM AT:

1-800-265-1833 (English) 1-800-567-2513 (French) Monday through Friday 8:00 AM to 5:00 PM E.S.T.

INSTRUCTIONS PERTAINING TO RISK OF FIRE OR INJURY TO PERSONS
READ ALL INSTRUCTIONS



IMPORTANT SAFETY INSTRUCTIONS
SAVE THESE INSTRUCTIONS

TOOLS AND MATERIALS REQUIRED:



Star-headed
Screwdriver



Pliers



Hammer

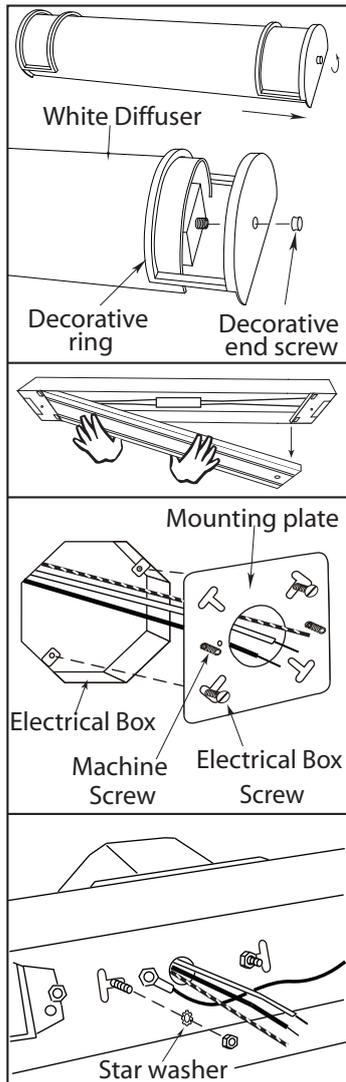


Wiring supplies
as required by
electrical code

SAFETY PRECAUTIONS:

1. TURN OFF ELECTRICAL POWER BEFORE STARTING INSTALLATION OF LIGHT FIXTURE.
2. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.
3. THIS FIXTURE IS DESIGNED FOR 120 VOLT CIRCUIT. IF UNSURE ABOUT WIRING, CONSULT AN ELECTRICIAN. **WARNING: DO NOT CONNECT FIXTURE TO DIMMER CIRCUIT.**
4. THIS FIXTURE MUST BE GROUNDED PROPERLY. CONNECT THE GROUND WIRE (BARE COPPER OR GREEN) TO THE AC SUPPLY GROUND WIRE (BARE COPPER OR GREEN) OR GROUND SCREW IN THE ELECTRICAL OUTLET BOX. IF GROUND WIRE IS NOT AVAILABLE IN YOUR AC SUPPLY WIRE SYSTEM, PLEASE CONSULT A QUALIFIED ELECTRICIAN BEFORE PROCEEDING THE ELECTRICAL CONNECTION.
5. USE ONLY ENERGY STAR APPROVED BALLAST (WITH LAMP SOCKETS) MANUFACTURED BY CSA FILE NUMBER 226237 AND MARKETED BY CANARM LIMITED. THIS BALLAST IS REPLACEABLE BY A QUALIFIED ELECTRICIAN WITHOUT CUTTING OF THE WIRES.

INSTALLATION: NOTE: Product May Not Look Exactly As Shown In Figures.



1. Remove the screw on the both sides.

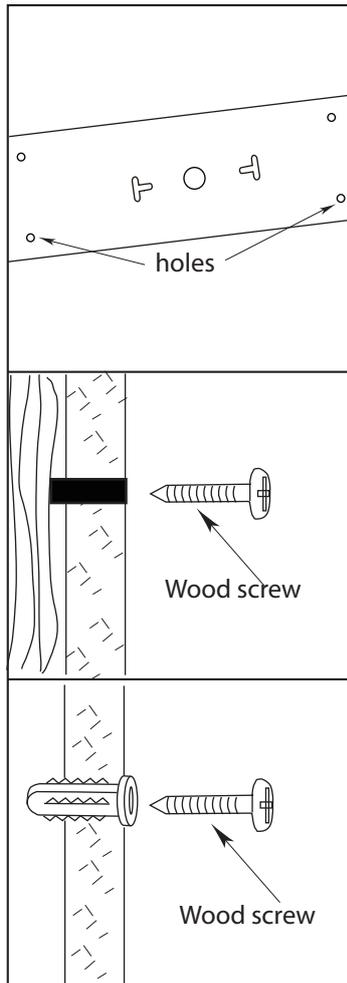
2. Slide the decorative ring from both sides. Remove the diffuser from the fixture.

3. Remove the front cover by loosening the screw.

4. Remove knockouts (on the mounting plate) corresponded to the mounting screws on the electrical box.

Install the 2 machine screws to the mounting plate. Be sure the 2 machine screws are parallel to the floor. Pull wires from electrical box and tighten the mounting plate to the electrical box using the 2 screws supplied by the electrical box.

5. Tighten the back plate over the mounting plate by the Star washers and nuts provided. Ensure the back plate is level to the floor. Additional support may be required for fixtures longer than 30". Position the fixture and add wood screws (one on each side) for the wooden studs or plastic wall anchor and wood screws for dry wall.



6. Connect the ground wire to the ground screw located near the centre knockout of the electrical box or the ground wire in the electrical box. Connect the black wire from the fixture to the black wire from the electrical box. Connect the white wire from the fixture to the white wire from the electrical box. Once wires are connected, carefully tuck wires and marretts into the electrical outlet box.

Alternatively, an outlet box is not normally required when the electrical leads are entering the fixture from the back and supply wiring has a minimum of 90 deg. C temperature rating. Before installing always consult your local Electrical Safety Authority or qualified electrician if you are unfamiliar with local Electrical Standards.

7. Install proper bulb type and wattage (not included). Insert the pins on both ends of the fluorescent tube into the lamp holders on both ends. Rotate the tube until a slight "click" is felt. Repeat for additional bulbs.

8. Reverses the process of Step 4, 3, 2, 1.

9. When you replace ballast, please process from step 8 to 5. After that please repeat the normal process from step 5 to 8.