

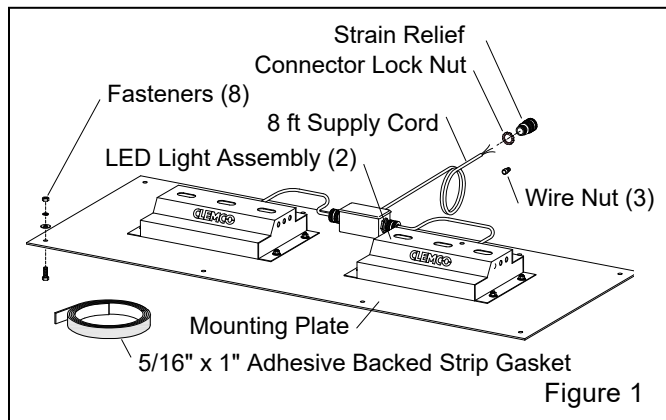


FLUORESCENT TO LED DOUBLE-LIGHT RETROFIT ASSEMBLY O. M. 29741

1.0 INTRODUCTION

1.1 These instructions cover the installation and replacement parts for the LED double-light retrofit kit for BNP cabinets currently using 48-inch fluorescent light fixtures.

1.2 Components of the kit are shown in Figure 1. Where possible, all components are preassembled for easy installation.



2.0 REMOVE FLUORESCENT LIGHT FIXTURE Figure 2

WARNING

Use an approved stepladder when servicing the light assembly. Do not climb on top of the cabinet. The cabinet top will not support the weight of a person. Failure can result in injury and property damage.

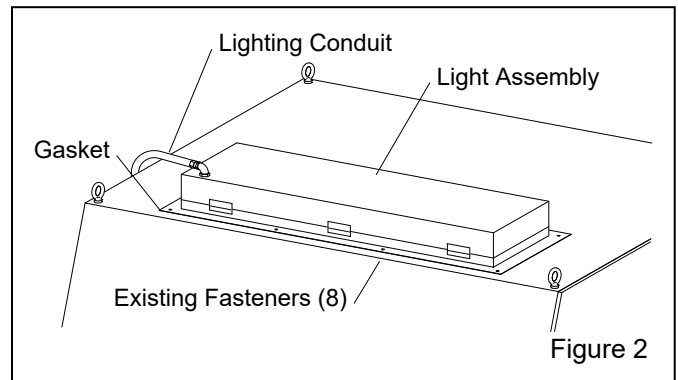
2.1 Shut OFF electrical power; lockout and tagout the power supply.

2.2 Trace the lighting conduit to the control panel and open the panel cover. NOTE: The panel may be mounted on the side or rear of the cabinet, depending on the cabinet arrangement and age.

2.3 Remove the white, red, and green wires coming from the lighting conduit from their connections within the panel. New wire nuts are included with the kit.

2.4 Remove the lock nut (within the panel) from the lighting conduit and remove the conduit connector from the panel.

2.5 Remove the eight fasteners holding the light fixture to the cabinet; new fasteners are provided with the kit. Lift the fixture off the cabinet, as shown in Figure 2. NOTE: The light assembly may be different from that shown, depending on age of the cabinet.

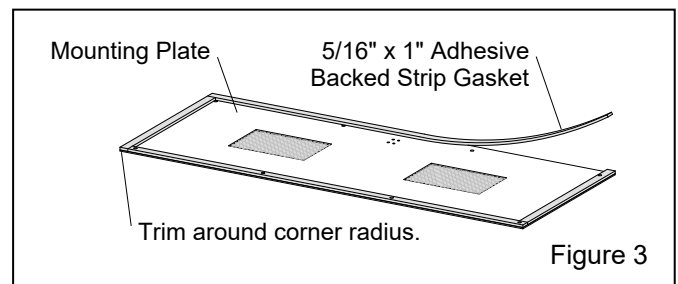


2.6 Remove all the old gasket material from the top of the cabinet and clean the surface.

3.0 INSTALL LED LIGHT ASSEMBLY

3.1 Place the LED assembly upside down on a bench with a clean padded surface, as shown in Figure 3.

3.2 Lay a section of strip gasket along the edge of the mounting plate and cut to length. Peel a short section of backing from the strip and adhere the strip gasket to the edge of the mounting plate, as shown in Figure 3. Peel additional backing as needed and press the gasket to bond. Repeat the process on each side, compressing the ends to seal.



3.3 If preferred, trim around the corner radius to improve appearance.

3.4 Turn the light assembly over, align the mounting-plate bolt holes with the holes on top of the cabinet (as shown in Figure 4), and lower the assembly into place. Insert 5/16-NC cap screw from inside the cabinet

through each bolt hole and secure using flat washer, lock washers, and nuts.

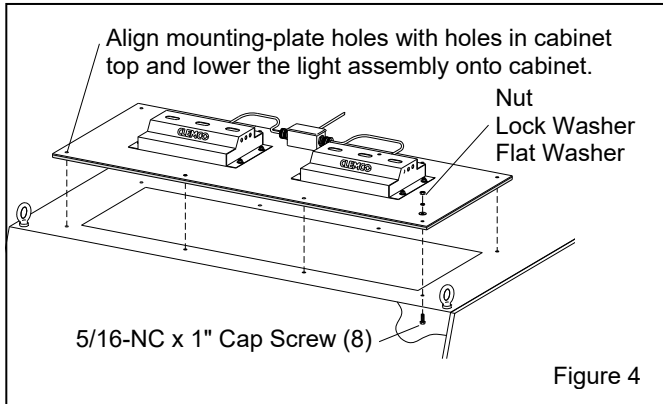


Figure 4

3.5 Loosen the knurled collar on the strain relief connector and thread the light module power cord into the knurled end of the connector, as shown in Figure 5.

3.6 Feed the cord through the existing hole in the panel.

3.7 Push the threaded end of the strain relief into the panel.

3.8 From inside the panel, place the lock nut over the cord, screw the lock nut onto the strain relief connector, and tighten the nut to secure the connector.

3.9 Pull the cord through the panel and strain relief connector, allowing enough slack to make the electrical connections.

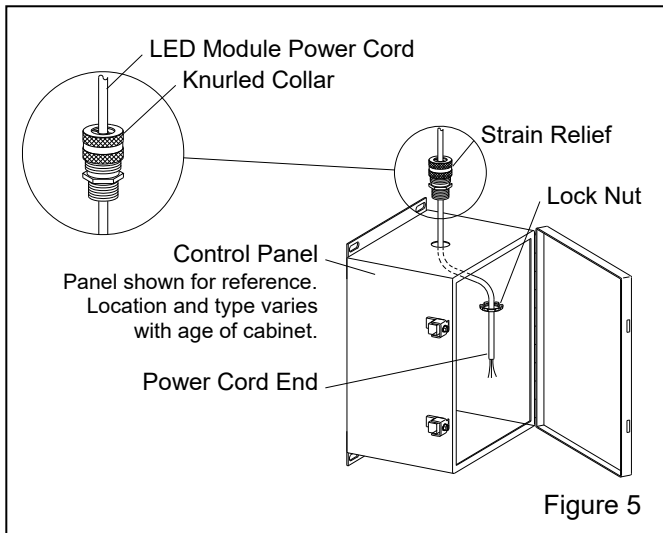


Figure 5

3.10 Tighten the knurled nut to secure the cord.

4.0 ELECTRICAL CONNECTIONS

4.1 If needed, cut the power cord to remove excess length, leaving it long enough to strip back the wiring and make the electrical connections.

4.2 Connect the wires as follows – Figure 6

- Brown light-module wire to red wire from switch.
- Blue light-module neutral wire to white neutral wire.
- Yellow w/green stripe light-module ground wire to green grounding wires.
- Secure with wire nuts.

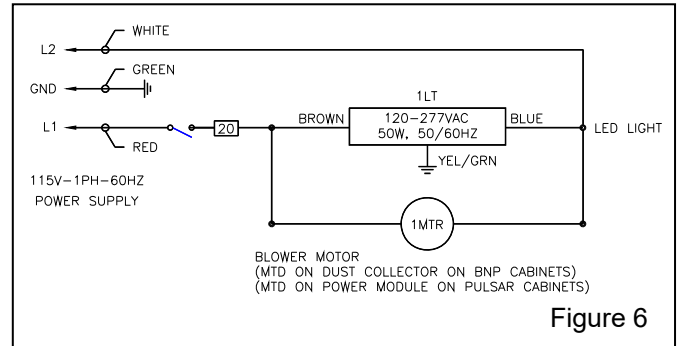


Figure 6

4.3 Turn on the light switch to test the connections.

4.4 When satisfied that the light and motor are working correctly, wrap the wires and wire nuts with electrical tape before closing the panel.

5.0 LED RETROFIT REPLACEMENT PARTS

Figure 7

Item	Description	Stock No.
1.	Cover, LED light mount	29712
2.	LED light module, 50w	29711
3.	Diffuser lens	29713
4.	Gasket, 5/32" x 3/4", 3-ft req'd per light...00192	
5.	Strain relief connector	11631
6.	Lock nut, 1/2" conduit	12713
7.	Gasket 5/16" x 1", 12-ft required	00187
8.	Strain relief, connector, 14/3 SO cord ...	11629

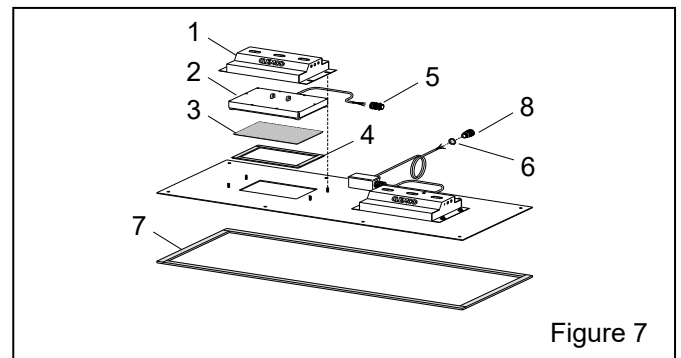


Figure 7