

INSTALLATION INSTRUCTIONS

Multi-Med Series: ME640N

CAUTION: THE INSTALLATION AND SERVICING OF THIS PRODUCT SHOULD BE PERFORMED BY A QUALIFIED ELECTRICIAN OR SERVICE PERSONNEL
ATTENTION : L'INSTALLATION ET L'ENTRETIEN DE CE PRODUIT DOIVENT ÊTRE EFFECTUÉS PAR UN ÉLECTRICIEN OU UN MEMBRE DU PERSONNEL QUALIFIÉ.

OVERVIEW

Read through the entire Installation Instructions prior to beginning the installation.

A. GRID INSTALLATION

The Multi-Med luminaire is designed to install into standard suspended grid ceilings with a 1" or 1½" high grid. The weight of the luminaire is supported by the grid and supplemented with direct connection to the building structure. The steps for installation are as follows:

1. Inspect the ceiling grid to make sure it is supported from the building structure as recommended by the ceiling grid manufacturer's instructions.
2. Angle the fixture up through the opening in the grid. Once through the opening, lower the luminaire so that its flanges are supported on the ceiling grid.
3. The luminaire is to be connected directly to the building structure, independent of the ceiling grid. Locate the hanger support tab at each corner of the luminaire housing and bend the tab. Use a hanger wire at all four corners to tie the luminaire to the building structure. Use 12 gauge minimum hanger wire rated for such application. In addition, follow local building codes regarding required additional support of luminaires.
4. Proceed to section "C. Making Electrical Connections".

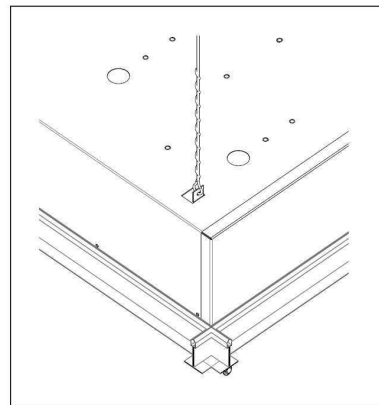


Figure 1

B. FLANGE INSTALLATION

The Multi-Med luminaire can be installed into a drywall (i.e. gypsum board, sheetrock) ceiling with the addition of the flange kit option. The steps for installation are as follows:

1. A flange installation requires a clean and accurate opening of 24¼" x 48¼" to be cut into the ceiling surface where the luminaire is to be installed. The short side should be centered on the width of the patient bed and the long side should be running perpendicular to the patient bed location. Openings need to be cut square and accurate. It is recommended that the opening should be cut into whole pieces of ceiling material to minimize seams and joints intersecting the cut opening. This limits stress on taped joints and ensures a better fit of the fixture flange against the ceiling surface.

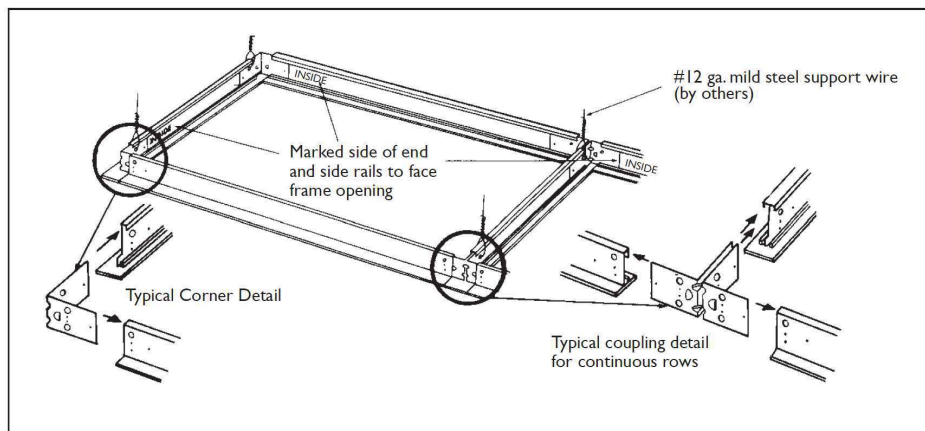


Figure 2

2. Assemble the flange kit by sliding the (snap-lock) corner angles into side and end rails as shown in Figure 2.
3. Place assembled frame into ceiling opening and wire support (at four corners as shown in Figure 2) from main floor/ceiling structure.
4. Angle the fixture up through the opening in the grid. Once through the opening, lower the luminaire so that the fixture flanges are supported on the flanges of the flange kit.
5. Proceed to section "C. Making Electrical Connections".

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PHILIPS

Philips Lighting North
America Corporation
200 Franklin Square Drive
Somerset, NJ 08873, USA
Phone: 855-486-2216
philips.com/luminaires

Philips Lighting Canada Ltd.
281 Hillmount Road
Markham ON, Canada L6C 2S3
Phone: 800-668-9008
philips.com/luminaires

443580033350 APRIL, 2014

PAGE 1 OF 3

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C. MAKING ELECTRICAL CONNECTIONS

Note: The circuit should be shut-off at the breaker before beginning this step.

1. For the ME640N, open the exam compartment door by fully loosening the two thumbscrews. Allow the door to swing open.
2. Remove the reflector plate by removing the four (4) screws. The fixture wiring should be exposed at this point. (See Figure 3)
3. Remove one of the knockouts located on back of housing.
4. Secure the flexible metal conduit (FMC) with the incoming power at the location of the removed knockout with the appropriate conduit connector. Locate the leads for the ambient, reading and exam loads. (These leads are tagged for easy identification.) There may be an additional set of leads for the nightlight option.

5. Make the electrical connections for each compartment by connecting the building hot to the black lead, the building neutral to the white lead and the building ground to the ground lead.
6. If the fixture has the Low Voltage Controller (LVC) option, see additional instruction sheet for LVC.

D. INSTALLING LAMPS – ME640N

1. Exam Compartment
 - a. Hand loosen the two (2) thumb screws for the exam compartment door. Allow door to hang open from the fixture.
 - b. Angle the lamp so that it fits into the fixture housing. Begin inserting the lamp's socket into the lampholder from the side of the lampholder so that the 4 pins on the lamp align with the pin holes on the lampholder. Begin to move the tip of the lamp horizontally until the lamp's socket aligns with the lampholder. Gently push the lamp into the lampholder until it fully engages. Once in place, push the tip of the lamp over the lamp support clip.
 - c. Repeat this same step for the other lamps in this compartment.
 - d. Close the exam compartment door and hand tighten the two (2) thumbscrews.
2. Ambient Compartment
 - a. Release the perforated lamp shields by pressing in on the front edge of the lamp shield until the lip of the shield is free from the support pins at either end of the basket. The lamp shield can then be lifted out of the way to provide access to the lampholder.
 - b. Install the lamp into the lampholder in the same manner as described for the Exam Compartment.
 - c. Replace the perforated lamp shield by hooking the back edge of the basket onto the lip behind the lamp. Swing the front edge of the lamp shield up and compress the front edge so the front lip of the shield hooks over the pins.

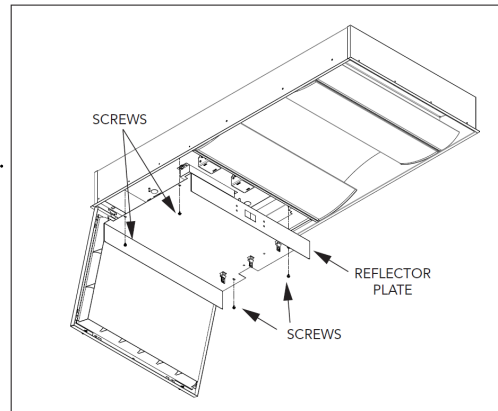
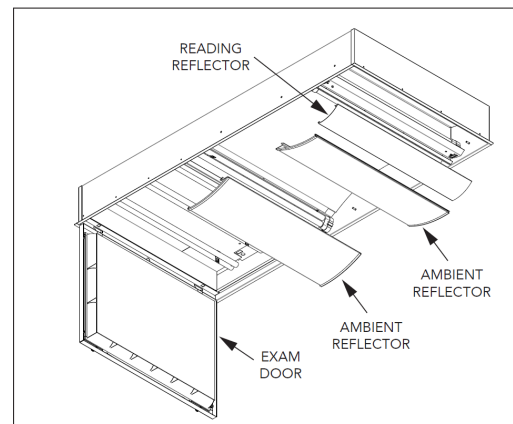
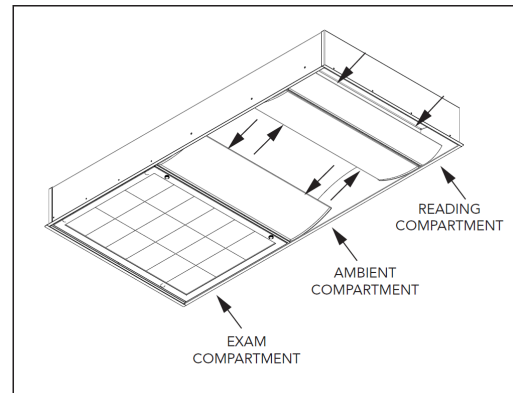


FIGURE 3



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PHILIPS

Philips Lighting North
America Corporation
200 Franklin Square Drive
Somerset, NJ 08873, USA
Phone: 855-486-2216
philips.com/luminaires

Philips Lighting Canada Ltd.
281 Hillmount Road
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PAGE 2 OF 3

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3. Reading Compartment

- Reach up to the top edge of the curved lamp shield and compress it until it free from the support pins at each end of the shield.
- Install the lamp into the lampholder in the same manner as described for the Exam Compartment.
- Locate the reading compartment reflector that is shipped with the fixture but not installed. With the holes of the reflector towards the bottom, slide it into the Reading compartment so that the edge with the holes fits above the lamp and the other edge fits behind the lip at the end of the fixture.
- Replace the solid lamp shield.

E. INSTALLING LAMPS – ME640NLG

1. Exam Compartment

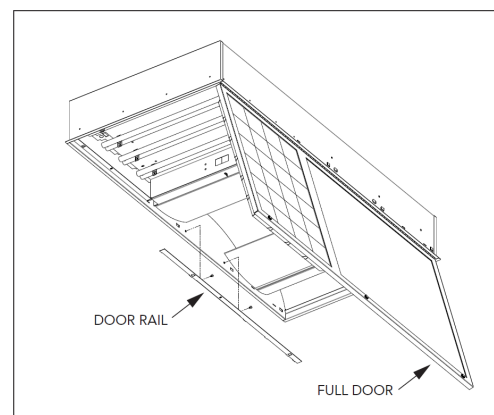
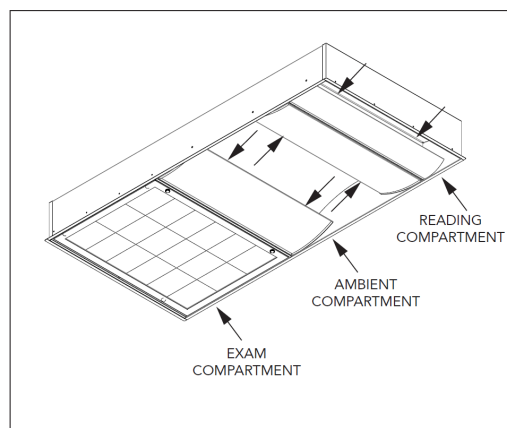
- Hand loosen the three (3) thumb screws on the lensed door. Allow door to hang open from the fixture.
- Angle the lamp so that it fits into the fixture housing. Begin inserting the lamp's socket into the lampholder from the side of the lampholder so that the 4 pins on the lamp align with the pin holes on the lampholder. Begin to move the tip of the lamp horizontally until the lamp's socket aligns with the lampholder. Gently push the lamp into the lampholder until it fully engages. Once in place, push the tip of the lamp over the lamp support clip.
- Repeat this same step for the other lamps in this compartment.
- Close the lensed door and hand tighten the three (3) thumbscrews.

2. Ambient Compartment

- Hand loosen the three (3) thumb screws on the lensed door. Allow door to hang open from the fixture.
- Release the perforated lamp shields by pressing in on the front edge of the lamp shield until the lip of the shield is free from the support pins at either end of the basket. The lamp shield can then be lifted out of the way to provide access to the lampholder.
- Install the lamp into the lampholder in the same manner as described for the Exam Compartment.
- Replace the perforated lamp shield by hooking the back edge of the basket onto the lip behind the lamp. Swing the front edge of the lamp shield up and compress the front edge so the front lip of the shield hooks over the pins.

3. Reading Compartment

- Remove both door rails on either side of the ambient and reading compartments by removing the two screws on each rail. To remove rail from housing tilt front edge upward then remove.
- Reach up to the top edge of the curved lamp shield and compress it until it free from the support pins at each end of the shield.
- Install the lamp into the lampholder in the same manner as described for the Exam Compartment.
- Locate the reading compartment reflector that is shipped with the fixture but not installed. With the holes of the reflector towards the bottom, slide it into the Reading compartment so that the edge with the holes fits above the lamp and the other edge fits behind the lip at the end of the fixture.
- Replace the solid lamp shield.
- Replace both door rails on either side of the ambient and reading compartments by hooking the two "L" shaped parts of each rail into the larger slots on either of the housing. Then align with the wider rail with the cage nuts is for the side with thumbscrews and the thinner rail is for the hinged side of the housing.
- Align rails with the smaller slot then install screws.



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PAGE 3 OF 3