



INSTRUCTIONS

Lowmount® Luminaire

Installation and Maintenance

READ THOROUGHLY BEFORE INSTALLING

⚠ WARNING

Risk of electric shock

- Turn power off before servicing
- see instructions

GENERAL

This luminaire is designed for indoor applications and consists of two assemblies, ballast and optical, which are shipped in separate packages. The packing slip lists the ballast and optical assembly catalog numbers in addition to the complete luminaire catalog number. Check to see that you received the correct material.

If the luminaire you ordered has a polycarbonate refractor, please pay particular attention to the following statement.

All polycarbonates and articles made from polycarbonates will yellow with time. The rate of yellowing is determined by the specific material, any additives and coatings, as well as the optical temperature and exposure to ultraviolet (UV) light.

This yellowing can reduce the light output and impact resistance of products made from polycarbonate resin. In no case should the maximum voltage recommendations listed for the luminaire be exceeded. Contact factory for more information.

UNPACKING

The luminaire is supplied with a lightweight hanger hub and locking nut which are threaded together, and included in the same carton with the ballast.

INSTALLATION

⚠ WARNING

Risk of fire

- Keep combustible materials away from lens – see instructions
- Use lamps specified on nameplate

⚠ CAUTION

Unit will fall if not installed properly

- Follow installation instructions

CONDUIT MOUNTING

Fasten the hanger hub to 3/4-inch conduit by threading the assembly of locking nut and hanger hub onto the conduit. Wrench flats are provided on the hanger hub so that it can be tightened securely to the conduit (minimum of five full turns). Orient any arrow on the bottom of the hanger hub in the direction you wish the wiring box to face. Then tighten down the set screw to lock the hanger hub to the conduit (see Figure B). Next, loosen the knurled locking nut until it disengages and is free to move up the conduit (see Figure C).

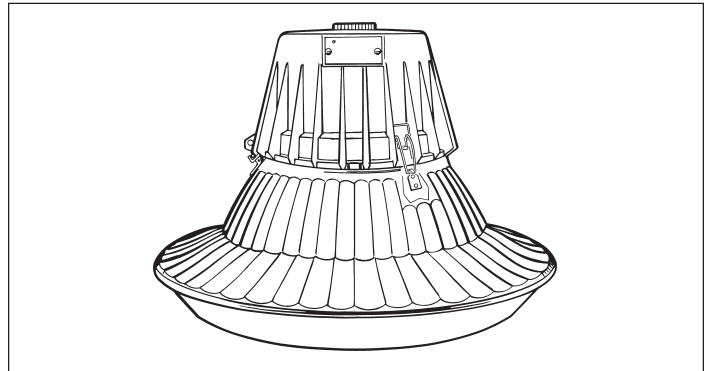
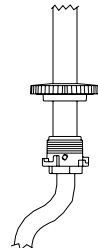
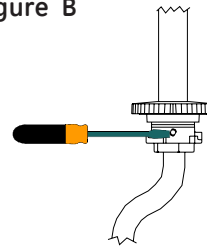


Figure B

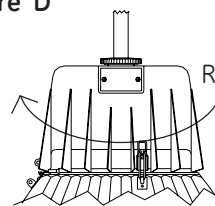
Figure C



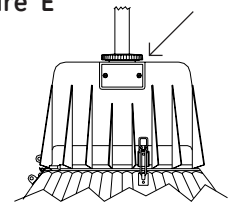
Twist the supply leads loosely together and slip the ballast assembly up over the hanger hub and at an angle of about 30° counter-clockwise from the final desired position (see Figure D). Then rotate the ballast assembly clockwise about 30° until it drops securely into the seated position. Check for proper seated position by trying to rotate the assembly counter-clockwise while it is supported by the hanger hub. After assuring that the ballast assembly is properly seated, screw the knurled locking nut back down on the hanger hub finger-tight, (except wet location units) (see Figure E). Once the knurled nut is in position it should not be possible to disconnect or rotate the ballast assembly without loosening the nut again.

Figure D

Figure E



Rotate 30°



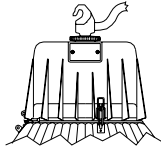
NOTE: When installing units provided with a gasket between the hanger-hub and knurled locking nut, it is necessary to securely hand-tighten the locking nut, to insure that the gasket is compressed fully around the pipe nipple to prevent entrance of moisture.

PENDANT MOUNTING

Pendant mounting provisions are available as a factory-installed accessory or as a customer-installed accessory. The factory-installed accessory or cord are supplied ready to hang and plug in. If the pendant mounting accessories are shipped separately, the nipple

should be threaded into the hanger hub and locking nut assembly in the same manner as was the conduit in above instructions (see Figure F).

Figure F



WIRING

Make all electrical connections in accordance with the National Electrical Code and any applicable local code requirements. (See Figure G).

Verify that supply voltage is correct by comparing it to nameplate.

Connect the green fixture ground lead to a suitable grounded conductor. Replace wiring compartment-cover when wiring is complete.

Do not remove insulated connectors from wires not needed for required voltage connection.

When changing voltage on reconnectable units, move only the lead with the insulated connector.

IF SINGLE VOLTAGE:

All single voltage ballasts are pre-wired such that user need only connect the supply conductors.

IF MULTIVOLT: (120/208/240/277 volts)

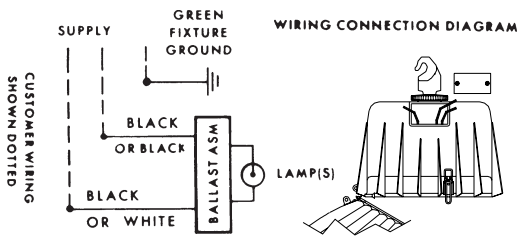
Connect the ballast lead with the insulated terminal to the desired voltage terminal as indicated on the ballast terminal nameplate.

Select proper wires from connection diagram on unit. Connect specified wires by utilizing crimp connectors on wires. These crimp connectors are sized for 14-16 AWG. For other AWG sizes remove crimp connector(s) provided and use other appropriate approved connector(s).

IF MULTIWATT:

Multiwatt ballasts are available in various combinations of wattage. See wiring instructions on wiring tag inside the luminaire.

Figure G



ASSEMBLY

After the ballast assembly has been properly installed, hang the optical assembly from the hinge on the side of the ballast housing (see Figure H).

After lamp installation, the optical assembly should be swung into position and secured with the two latches on the ballast housing. Take care to insure that the quick-disconnect mates properly (see Figure L).

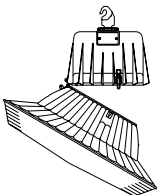


Figure H

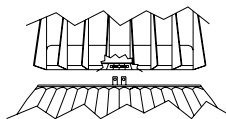
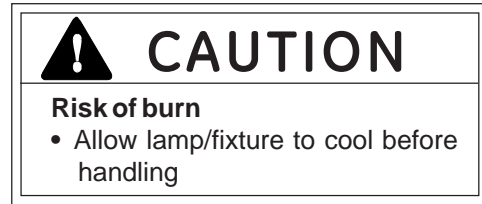


Figure L

CAUTION: Do not rest a complete luminaire on the refractor. This refractor is a precision optical instrument and will not support the full weight of the luminaire.

LAMPS



Use only lamps specified on nameplate. Observe lamp manufacturer's recommendations and restrictions on lamp operation, particularly ballast type, burning position, etc.

Lamp Tightness - Mogul Base Lamp: The lamp should be securely inserted to the NEMA-EEL specified torque of 35 inch-pounds, which is best achieved by very firmly tightening to insure application of sufficient torque. Tightening must be sufficient to fully depress and load the center contact of the socket.

Lamp Tightness - Medium Base Lamp: The lamp should be tightened to a light firmness sufficient to depress the center contact.



SAFETY CHAINS

Safety chains may be attached to the luminaire when the user feels safety chains should be used. Safety chains should be attached in a manner to give minimum slack. **In no case should the luminaire safety chain be installed in a manner which permits the luminaire to fall more than six inches before it is caught by the chain.** When connecting the safety chain, insert "S" hook through the hole provided in the hinge bracket and squeeze shut. Safety chains are available from the factory as an optional accessory.

CAUTION: When used, safety chains must be carefully installed as outlined above.

MAINTENANCE

It will occasionally be necessary to clean the outside of the refractor to maintain the light level. Frequency of cleaning will depend on the ambient dirt level and the minimum light level which is acceptable to the user. The plastic refractor should be cleaned with any suitable non-abrasive glass-cleaning solution, soap, or detergent, and rinsed with clean water. Should the optical assembly become dirty on the inside, clean in the above manner and replace any damaged gasket or filter.

The light output of a luminaire is also dependent on the age of the lamp. In applications where the light level is critical it may be desirable to replace lamps before they burn out. The lamp manufacturer can provide data showing how the lamp light output decreases with use. Use of abrasive cleansers will shorten the life of any reflector.



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