

best achieved by very firmly tightening to insure application of sufficient torque. Tightening must be sufficient to fully depress and load center contact of socket.

After lamp is installed, close unit and confirm that latches are secure.

#### MOUNTING



#### MOUNTING DMS (SPIDER)

**NOTE:** Ballast voltage selection and reflector orientation are best accomplished before mounting luminaire. See reflector Rotation and Wiring for instruction.

1. Remove hub wiring cover, pull power leads out of hub.
2. Pull customer power leads through hub opening as unit is mounted on pole top tenon, verifying that leads are free and not pinched.
3. Position mounting hub on pole top tenon and tighten 6 set screws. Recommended torque 18 - 22 ft-lbs.
4. Splice power leads according to applicable Codes.
5. Insert all wire and splices into hub. Replace hub wiring cover and tighten screws.

#### MOUNTING DMY (YOKE)

1. Position Luminaire close to pole.
2. Splice power leads according to applicable codes.
3. Position Luminaire slip fitter on pole top tenon.

**Caution:** Exercise caution so as not to pinch leads when placing luminaire on pole.

Tighten 6 set screws. Recommended torque 18 - 22 ft-lbs.

#### PHOTOELECTRIC CONTROL: (If Present)

Photoelectric control receptacle should be oriented before control is installed. Loosen the two holding screws and rotate receptacle until 'North' is directed as near as possible

to true North. Tighten holding screws and install control.

#### MAINTENANCE AND CLEANING

It will occasionally be necessary to clean outside of door glass to maintain light levels. Frequency of cleaning will depend on ambient dirt levels and minimum light level which is acceptable to user. Door glass should be washed in a solution of warm water and any mild, non-abrasive household detergent, rinsed with clean water and wiped dry. Should the optical assembly become dirty on inside, wipe reflector and clean door in above manner, and replace any damaged gasket.

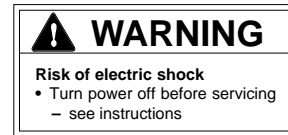
The light output of a luminaire is also dependent on age of lamp. In applications where light levels are critical it maybe desirable to replace lamps before they burn out. Lamp manufacturer can provide data showing how lamp light output decreases with use.



**GE Lighting Systems, Inc.**

Hendersonville, NC 28793-4506

#### READ THOROUGHLY BEFORE INSTALLING



#### GENERAL

This luminaire is designed for outdoor lighting applications, and should not be used in areas of limited ventilation, or in high ambient temperature enclosures; it should be installed and maintained according to the following recommendations.

#### UNPACKING

This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm.

#### INSTALLATION

##### Reflector Rotation:

Reflectors may be rotated such that socket is in any of four positions. This allows for variations in beam aiming. In order to rotate the reflector the following procedure should be followed.

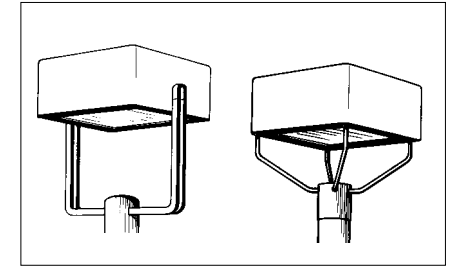
1. Rotation is best accomplished before mounting the luminaire on pole. Open luminaire by pushing inward on latches while supporting door on DMY yoke unit or lifting housing on DMS spider unit.
2. Note the rear edge of reflector position with respect to hinges (edge inserted into hinge pocket). Access reflector by loosening reflector plate to main housing screw and allowing reflector plate assembly to lie on door assembly. It is not necessary to detach tether.
3. Remove four screws which attach reflector to reflector plate.
4. Rotate reflector to desired position, being careful not to twist socket lead wires.
5. Re-attach reflector by re-inserting four screws, being careful not to over-tighten screws.
6. See Wiring before re-attaching reflector plate.

#### WIRING

Make all electrical connections in accordance with the National Electrical Code and any applicable local code requirements.

GEH-5731B

## INSTRUCTIONS Dimension™ DMY (Yoke) and DMS (Spider) Luminaires



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

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

Strain relief for incoming power must be provided in the pole top by the customer.

1. Check luminaire nameplate for ballast type, single or multivolt, or multiwatt.
2. **If Single Voltage/Wattage** – All single voltage/wattage ballast are pre-wired such that the user need only connect supply conductors in the hub.
3. **If Multivolt (120/208/240/277 volts)** – Connect the ballast lead with insulated terminal as indicated on the ballast terminal nameplate.
4. **If Multiwatt** – Multiwatt ballasts are available in various combinations of wattage. See wiring instructions on wiring tag inside luminaire.
5. Re-position reflector plate by inserting rear edge of plate into hinge pocket and re-attach plate to main housing.
6. See lamp Installation.

#### LAMP INSTALLATION



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

**LAMP TIGHTNESS:** The lamp should be securely inserted to NEMA-EEI specified torque of 35 inch-pounds, which is

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to General Electric Company.