

SYLVANIA LEDVANCE

Luminaires Installation Guide

Garage



The Garage luminaires are environmentally preferable LED alternatives to traditional HID luminaires, offering up to 72% in energy savings. Ideal in place of traditional luminaires, or as new installations, the Garage series is offered in two wattages/lumen packages for use in Garages, Canopies, and Mid bay general lighting.

For warranty coverage, please register at www.sylvania.com/warrantyregistration.

⚠ WARNING

PLEASE READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION

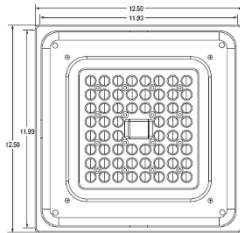
- TO PREVENT PERSONAL INJURY OR PRODUCT DAMAGE ONLY LICENSED ELECTRICIANS SHOULD PROVIDE ALL INSTALLATION SERVICES.
- TO AVOID ELECTRIC SHOCK OR COMPONENT DAMAGE DISCONNECT POWER BEFORE ATTEMPTING INSTALLATION OR SERVICING.
- THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) AND ALL APPLICABLE FEDERAL, STATE AND LOCAL ELECTRIC CODES AND SAFETY STANDARDS.
- USE CAUTION WHEN HANDLING THIS PRODUCT DURING OR AFTER OPERATION AS IT MAY BECOME HOT AND CAUSE BURNS. DISCONNECT PRODUCT AND ALLOW COOLING PRIOR TO SERVICING.
- ANY ALTERATION OR MODIFICATION OF THIS PRODUCT IS EXPRESSLY FORBIDDEN AS IT MAY CAUSE SERIOUS PERSONAL INJURY, DEATH, PROPERTY DAMAGE AND/OR PRODUCT MALFUNCTION.
- TO PREVENT PRODUCT MALFUNCTION AND / OR ELECTRICAL SHOCK THIS PRODUCT MUST BE PROPERLY GROUNDED.
- MAXIMUM OF 6 12 AWG THROUGH BRANCH CIRCUIT CONDUCTOR SUITABLE FOR 150°C PERMITTED IN BOX
- THIS LUMINAIRE IS DESIGNED TO OPERATE IN AMBIENT TEMPERATURES RANGING FROM -40°F TO +104°F (-40°C TO +40°C).

SAFETY PRECAUTIONS:

IMPORTANT: READ CAREFULLY BEFORE INSTALLING THE FIXTURE. RETAIN FOR FUTURE REFERENCE.

GENERAL: Upon receipt of the fixture, thoroughly inspect for any freight damage which should be brought to the attention of the delivery carrier.

Front View



Side View



INSTALLATION:

1. Remove 4 housing screws (on front of housing, set aside) and separate. (See Fig. 1)
 2. Disconnect the LED driver from its light-engine by unplugging the driver harness from its light-engine harness. (See Fig. 2)
 3. Note: If there is a sensor integrated at purchase, then unplug the sensor cable as well.
 4. For Surface Mount: Remove junction box tabs on top plate with pliers. (See Fig. 3)
 5. Remove adhesive from gasket (in packaging) and attach to top plate. Align with holes accordingly. (See Fig. 4)
 6. Connect the incoming electrical wires to the set of power wires black to black (hot), white to white (neutral) and green to green (ground).
 7. (See Wiring Diagram)
 8. Mount the top plate to the junction box. The slots can accommodate screw diameters up to #10. (See Fig. 4) *Mounting hardware is not provided.*
 9. Using the temporary hanging cable, hook the housing to the top plate. (See Fig. 2)
 10. Connect the LED driver harness to the LED light engine harness. (If you removed the sensor cable then reconnect) (See Fig. 2)
 11. Unhook the temporary hanging cable and mount the housing to the top plate using the 4 housing screws removed in step 1.
 12. Installation is now complete. Turn on the power at circuit breaker or fuse box then turn the light switch to power the fixture.
- For pendant mounting option:* Feed the electrical wire from the fixture through the conduit pipe (provided by others). (See Fig. 5)
Connect wires in the electrical junction box per the wiring diagram (below).

Figure 1

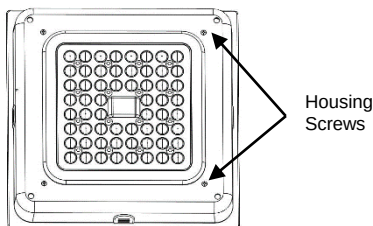


Figure 2

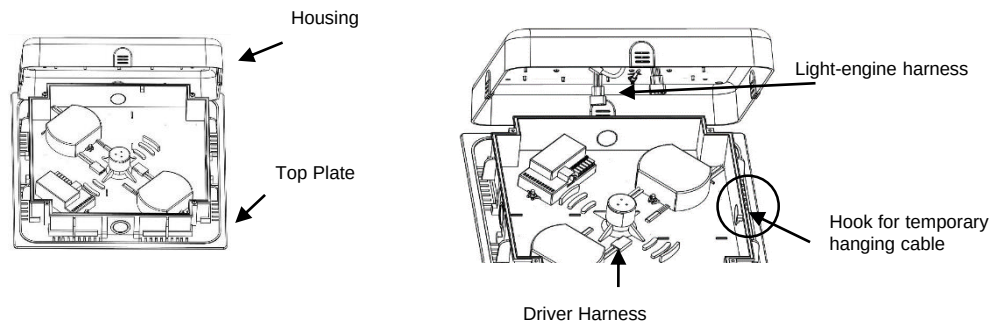


Figure 3

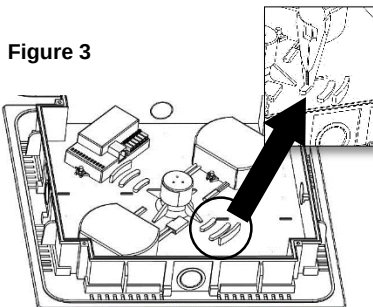


Figure 4

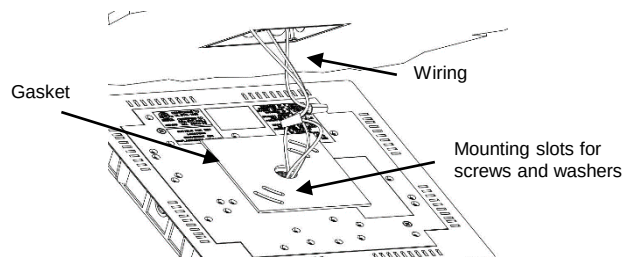
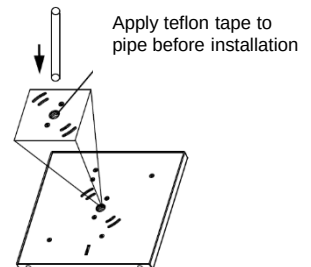
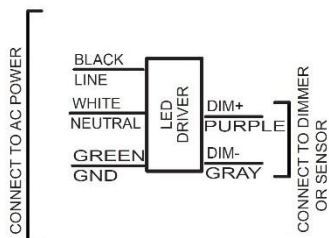


Figure 5



Wiring Diagram



ADDING THROUGH WIRING CONNECTOR OR SENSOR/WALL DIMMER:

ADDING THROUGH WIRING CONNECTOR (Sold separately)

1. After Step 4 on page 2, pull wires out of the rubber holder in center of luminaire.
2. Using a flat head screw driver, remove the desired knockout on top plate and remove the knock out cover on housing. (See Fig. 6)
3. Insert through wire conduit connector (sold separately) and tighten. (See Fig. 7)
4. Mount the top plate to the junction box. The slots can accommodate screw diameters up to #10. (See Fig. 4 on page 2) *Mounting hardware is not provided.*
5. Using the temporary hanging cable, hook the housing to the top plate. (See Fig. 2 on page 2)
6. Grab the incoming electrical wires and feed them into the through wire conduit connector (bringing them into the luminaire).
7. Connect the incoming electrical wires to the set of power wires black to black (hot), white to white (neutral) and green to green (ground).
8. (See Wiring Diagram)
9. Resume with step 8 on page 2 assuring the through wire conduit connector fits properly.

ADDING A SENSOR OR WALL DIMMER (provided by others)

1. After Step 8 on page 2, use a flat head screw driver to remove desired knockout on top plate. (See Fig. 6)
2. Insert sensor or wall dimming wires and connect sensor or wall dimmer to dimming wires on driver. (See Wiring Diagram)
3. Before closing the luminaire remove desired knockout from housing if necessary.
4. Resume with step 9 on page 2 assuring the through wire conduit connector fits properly.
5. Note: This fixture is compatible with 0-10V output dimming controls (please reference Dimmable Compatibility List LEDLUM012). To get to 0% light output (OFF) it is necessary to disconnect the input power from the LED drivers.

Figure 6

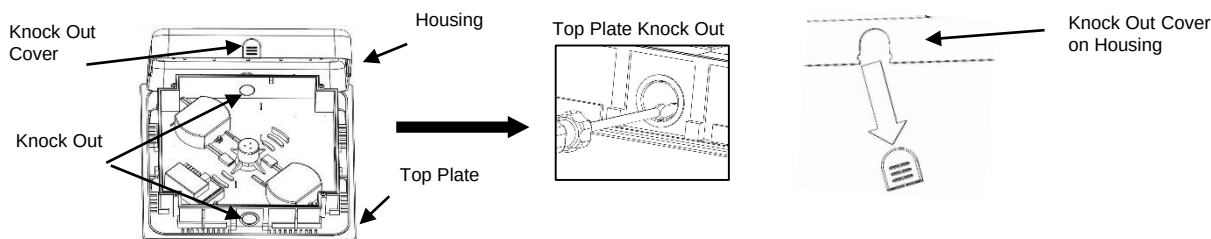
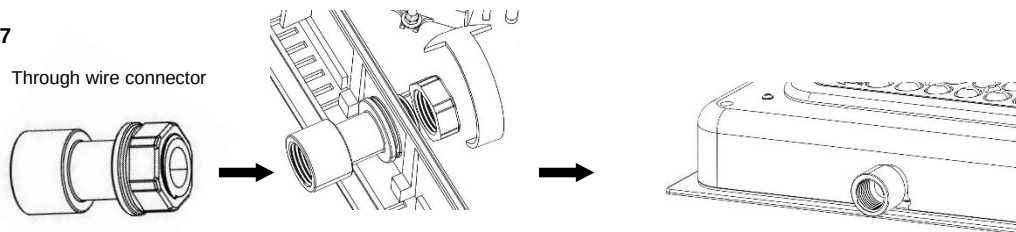


Figure 7



ADDING GLARE SHIELD ACCESSORY (Sold Separately):

1. Remove 1 (of 4) housing screws (on front of housing). (See Fig. 8)
2. Install diffuser tab over hole and hold in place by slightly tightening screw. Leave a little space to move the diffuser tab.
3. Rotate the diffuser tab outward and repeat steps 1 and 2 for the other 3 housing screws. (See Fig. 9)
4. Place glare shield over the front housing. Rotate the diffuser tabs inward to hold glare shield in place. (See Fig. 10)
5. Tighten housing screws to secure glare shield.

Figure 8

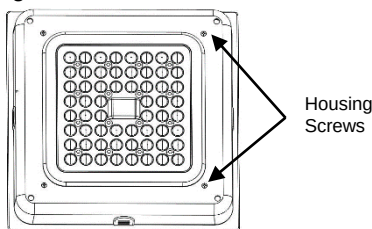


Figure 9

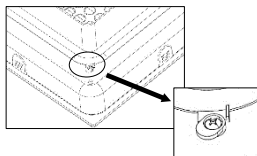
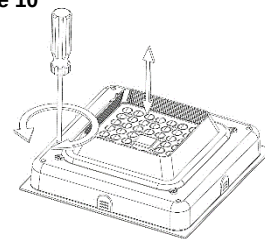


Figure 10



CHANGING THE SENSOR SETTINGS:

1. Use infrared remote (NAED 71758) to change the sensor settings. (See Fig. 1A)
2. Sensor will automatically start in Auto Mode. Press "On" to start the manual programming mode.
(Please note: After "On" is pressed and no settings are set, "Auto" mode will resume after 20 minutes.)

Default Settings:

3. To select the default mode, press the "Reset" button. If one setting must be changed in the default mode, then select the desired setting, press button and wait for the sensor to flash 3 times and turn off.

Sensitivity: 100%

Stand-by time: 5 minutes

Lux: 50Lux/ 5fc

Dimming level: 30%

Dimming time: +∞ (luminaire never turns off)

4. Turn fixture on and settings will remain saved until changed.

To change Default Settings please refer to document

With power failure, fixture will remain with latest settings

Remote cannot store settings except for default ("Reset Button")

AA batteries not included



CLEANING AND MAINTENANCE

- To maintain the fixture efficacy occasional cleaning of the outer lens surface may be needed.
- Use a mild soap or detergent, which is essentially neutral pH (pH approximately 6 to 8), nonabrasive, and which contains no chlorinated or aromatic hydrocarbons.
- Wash thoroughly, using a soft cloth.
- Rinse with clean, cold water and wipe dry.



TROUBLE SHOOTING CHECKLIST: If luminaire does not work

- Check your power source.
- Check electrical connections.