PLG, LLC

Installation Instructions

Outdoor Roadway & Area Light LED Retrofit
PLG-SBX Series

WARNING **READ AND FOLLOW THESE INSTRUCTIONS IN THEIR ENTIRETY BEFORE INSTALALTION.**

RISK OF ELETRICAL SHOCK – Retrofit kit can only be installed by a licensed electrical contractor with qualified electricians.

RISK OF ELETRICAL SHOCK – Risk of fire electric shock. Install this kit only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.

RISK OF ELETRICAL SHOCK - Ensure power is disconnected before installation or servicing

RISK OF ELETRICAL SHOCK – To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

RISK OF DAMAGE & INJURY – This unit may fall if it is not installed properly

RISK OF INJURY – Wear properly rated safety glasses and work gloves during installation

RISK OF DAMAGE – Do not touch the Lens/LED Modules. Handle LED Board by edge of aluminum

WARNING – Do not make or alter any open holes in an enclosure of wiring or electrical components during installation

Step 1 – Inspect Materials

Open shipping materials and visually inspect for damage. This kit include:

- 1 – LED Board, assembled
- 4 – LED Board Retention Brackets
- 1 – Retrofit Label
- 1 – Installation Instructions

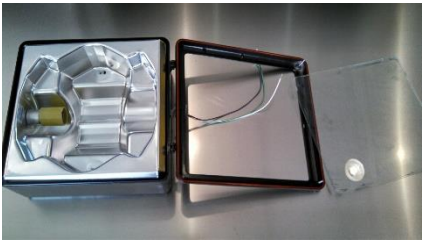
RISK OF DAMAGE – Do not touch the Lens/LED Modules. Handle LED Board by edge of aluminum

Step 2 – Remove Existing Components

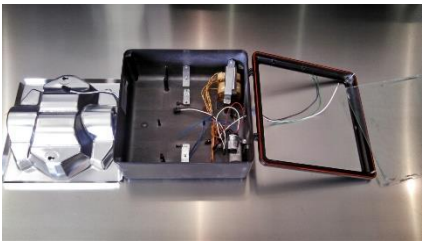
a) Disconnect the electrical lines feeding the existing fixture
b) Cut and Cap the leads going into the existing lamp socket
c) Remove the Reflector, Lens, Lamp, and Lamp Socket
d) Other components can stay if sufficient space for LED Retrofit equipment exist. If not, remove other components as necessary

RISK OF ELETRICAL SHOCK – Retrofit kit can only be installed by a licensed electrical contractor with qualified electricians.

RISK OF ELETRICAL SHOCK - Ensure power is disconnected before installation or servicing



Step 2c) Remove Glass Lens



Step 2c) Remove Reflector and Lamp Socket

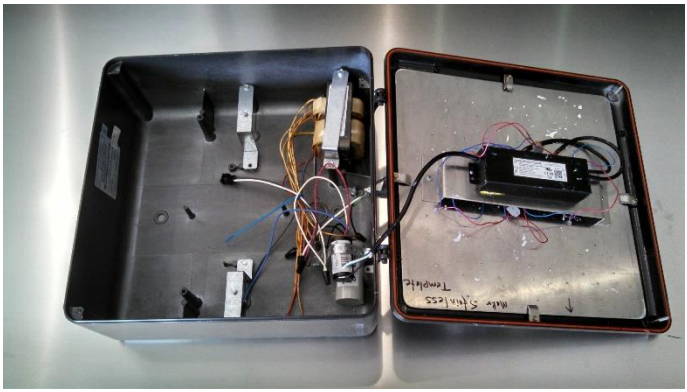
Step 3 – Install the LED Board

a) Insert the LED Board directly in the space previously occupied by the glass lens. Make sure that the orientation arrows are facing the forward direction
b) If the existing retention brackets do not make sufficient contact with the LED Board, then replace with provided LED Board Retention Brackets

RISK OF DAMAGE & INJURY – This unit may fall if it is not installed properly

RISK OF INJURY – Wear properly rated safety glasses and work gloves during installation

RISK OF DAMAGE – Do not touch the Lens/LED Modules. Handle LED Board by edge of aluminum



Step 3a) and 3b) Install LED Board in glass lens space and secure

Step 5 – Electrical Connection

There are 2 options for electrical connections:

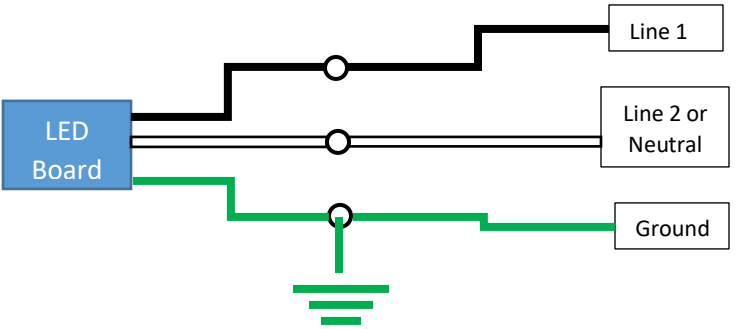
1. Driver Mounted to Retrofit Kit – Turn to section 5.1 for instructions on this method
2. Driver Mounted to Existing Fixture – Turn to section 5.2 for instructions on this method

RISK OF ELETRICAL SHOCK - Ensure power is disconnected before installation or servicing

RISK OF ELETRICAL SHOCK – Retrofit kit can only be installed by a licenses electrical contractor with qualified electricians.

Step 5.1 – Electrical Connection with Driver Mounted to Retrofit Kit

a) Ensure that line voltage is within rating
b) Connect the Green Ground Lead of the LED Board to the existing fixture ground point and the line side grounding conductor
c) Connect the Black lead from the LED Board to Line 1 and the White lead from LED Board to Line 2 or Neutral

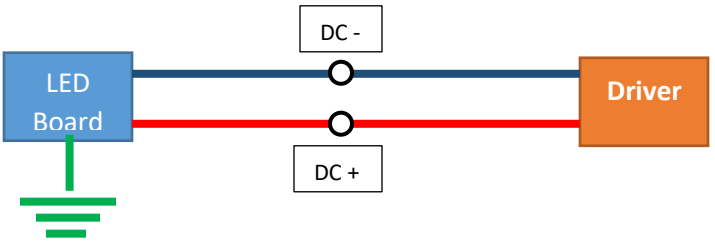


RISK OF ELETRICAL SHOCK - Ensure power is disconnected before installation or servicing

RISK OF ELETRICAL SHOCK – Retrofit kit can only be installed by a licenses electrical contractor with qualified electricians.

Step 5.2 – Electrical Connection with Driver Mounted to Existing Luminaire

a) Ensure that line voltage is within rating
b) Disconnect Driver from LED Board, and connect to Existing Fixture using holes in driver bracket and existing fasteners in fixture. DO NOT DRILL INTO EXISITNG FIXTURE!
c) Connect the Green Ground Lead of the LED Board to the existing fixture ground point and the line side grounding conductor
d) Connect the Blue lead from the LED Board to DC Negative on LED Driver and the Red lead from LED Board to DC Positive on LED Driver



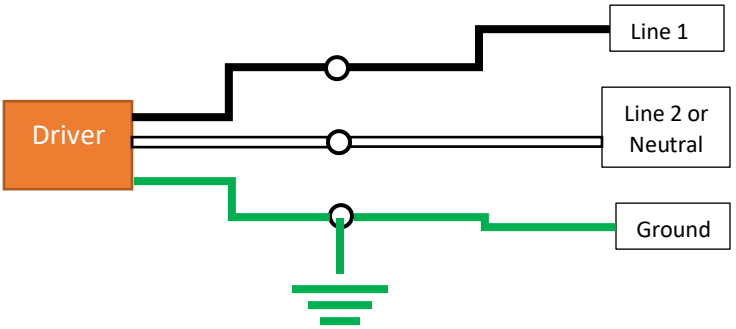
(Step continued on next page)

RISK OF ELETRICAL SHOCK - Ensure power is disconnected before installation or servicing

RISK OF ELETRICAL SHOCK – Retrofit kit can only be installed by a licenses electrical contractor with qualified electricians.

Step 5.2 *(continued)* – Electrical Connection with Driver Mounted to Existing Luminaire

e) Connect the Black lead from the LED Driver to AC Line 1 and the White lead from LED Driver to AC Line 2 or Neutral



RISK OF ELETRICAL SHOCK - Ensure power is disconnected before installation or servicing

RISK OF ELETRICAL SHOCK – Retrofit kit can only be installed by a licenses electrical contractor with qualified electricians.