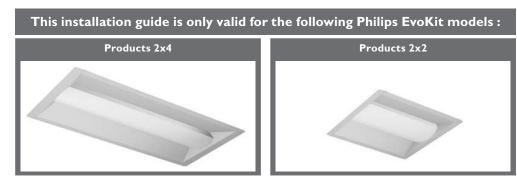
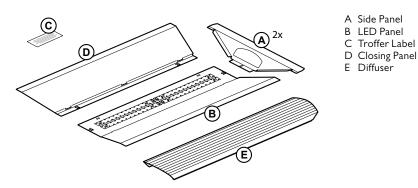
# **PHILIPS**

## Installation guide Philips EvoKit G5 LED 2x4 and 2x2



#### Set contains



#### **Tools required** and warning precautions electronic static

Activity	Charge Voltage (dependent on rel. humidity)	
	10 – 20 %	65 – 90 %
Walking on a carpet	35000 V	1500 V
Walking on a vinyl floor	12000 V	250 V
Sitting in an office chair (Movements in the chair)	6000 V	100 V
Handling a plastic bag	20000 V	1200 V
	Walking on a carpet Walking on a vinyl floor Sitting in an office chair (Movements in the chair)	Activity (dependent of 10 - 20 %)   Walking on a carpet 35000 V   Walking on a vinyl floor 12000 V   Sitting in an office chair (Movements in the chair) 6000 V

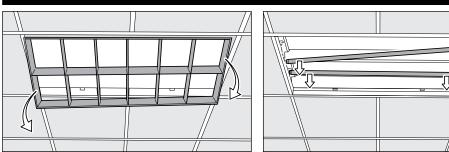
#### **WARNING**

LED electronics can be damaged by electro static discharge (ESD) shock. Before installation, discharge yourself by touching a grounded bare metal surface to remove this hazard. to avoid damage, do not touch the LED module.

#### **AWARNING**

**RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY** Before installation, turn power off.

#### **Remove host fixture contents**



Turn power off and take out original cover. 2 Take out TL tubes



FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNINGS MAY RESULT IN SERIOUS INIURY OR SIGNIFICANT PROPERTY DAMAGE. For your protection, carefully read these warnings and instructions in their entirety before installing or maintaining this equipment. These instructions do not attempt to cover all installation and maintenance situations. If you do not understand these instructions or if additional information is required, contact your local Philips representative. Retain these instructions for maintenance reference.

#### **AWARNING**

#### **RISK OF FIRE, ELECTRIC SHOCK OR** PERSONAL INJURY

Do not install in a damaged fixture.

Install the EvoKit only in NEMA type G or Type NFG t-grids with a minimum troffer depth of 3".

Before installation, turn power off.

#### **AWARNING**

#### **RISK OF FIRE OR ELECTRIC SHOCK**

To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

#### Notice

Do not use abrasive materials, glass cleaners or other solvents on cover plate or lens. To clean the faceplate, use a mild soap solution.

Do not expose the product to substances and /or materials containing sulphur, chlorine or other halogen compounds and to chemicals mentioned in below table.

Category	Chemical Name
Solvents	Toluene, xylene, benzene, chloromethane, chloroform, ethyl acetate, butyl acetate, acetone, MEK, MIBK
Acid	HCI, H <sub>2</sub> SO <sub>4</sub> , HNO <sub>3</sub>
Alkali	KOH, NaOH, LiOH, Ca(OH) <sub>2</sub>
Oil	Diesel oil, petroleum, hydro carbons

Caution

installation guide.

This kit is designed for permanent installation in ordinary (Non-Hazardous) locations in accordance with the National Electrical Code and all applicable local codes. Do not use in areas of limited ventilation or in high ambient enclosures.

#### **Notice**

Handle components with care. Do not drop, slide or scratch any of the components to prevent visual damage to the product, loss of functionality or difficulties during installation

#### Host lighting fixture

The Philips EvoKit is designed for installation in a wide variety of 2x4 and 2x2 indoor fluorescent based fixtures in horizontal applications.

- The Philips EvoKit is non-air handling.
- Install the Philips EvoKit only in fluorescent based host lighting fixtures only with a minimum depth of 3".
- Install the Philips EvoKit only in combination with 15/16" NEMA G or NEMA NFG t-grids.
- Due to the wide variety in troffers and ceiling grids, it is recommended that the installer does a test install before commencing a renovation.
- Please verify voltage on the Philips EvoKit product label matches the mains voltage.

### 

**AWARNING** 

**RISK OF PERSONAL INJURY** 

**RISK OF FIRE OR ELECTRIC SHOCK** The EvoKit must be installed and maintained by a professional electrician in accordance with the applicable federal, state and local laws, regulations and electrical codes, and the installation instructions provided in this document. This professional should be familiar with the construction and operation of this product and any hazards involved. If not qualified, do not attempt installation. Contact a qualified electrician

This equipment may have sharp edges. Wear gloves

to prevent cuts or abrasions when removing from

carton, handling and maintaining this equipment.

**RISK OF FIRE OR ELECTRIC SHOCK** 

for enclosed wiring and components.

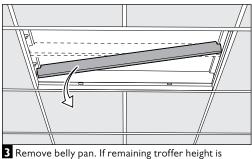
Luminaire wiring and electrical parts may be damaged

when drilling for installation of LED retrofit kit. Check

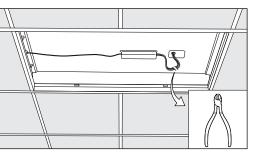
Do not make or alter any open holes in an enclosure

installation except if specifically mentioned in these

of wiring or electrical components during kit

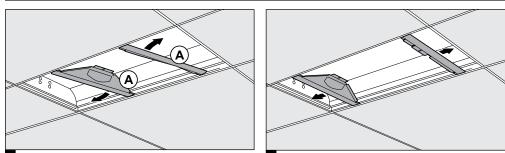


limited, remove ballast.

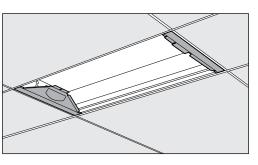


### Installation of Side Panels (A)

For SpaceWise accessory, see Spacewise installation instructions.



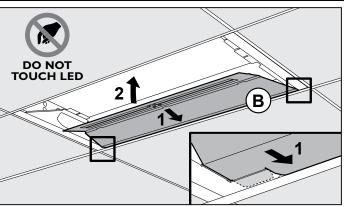
5 Install Side panels (A) in-between troffer and T-grid.



### Installation Philips Bodine BSL310 (Optional)

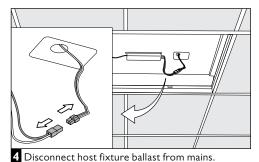
installation section from this EvoKit manual

### Installation LED Panel (B)



### **RISK OF PERSONAL INJURY** between panels.

# Caution



#### Notice

Make sure to remove packaging (except the LED protection\*), from EvoKit components before installing. Do not install with total power input greater than

power rating of original fixture. When space in the troffer is limited, remove original ballast.

\* Remove LED protection just before installing the Diffuser (E) (see step 14).

6 Slide Side Panel (A) outwards as far as possible.

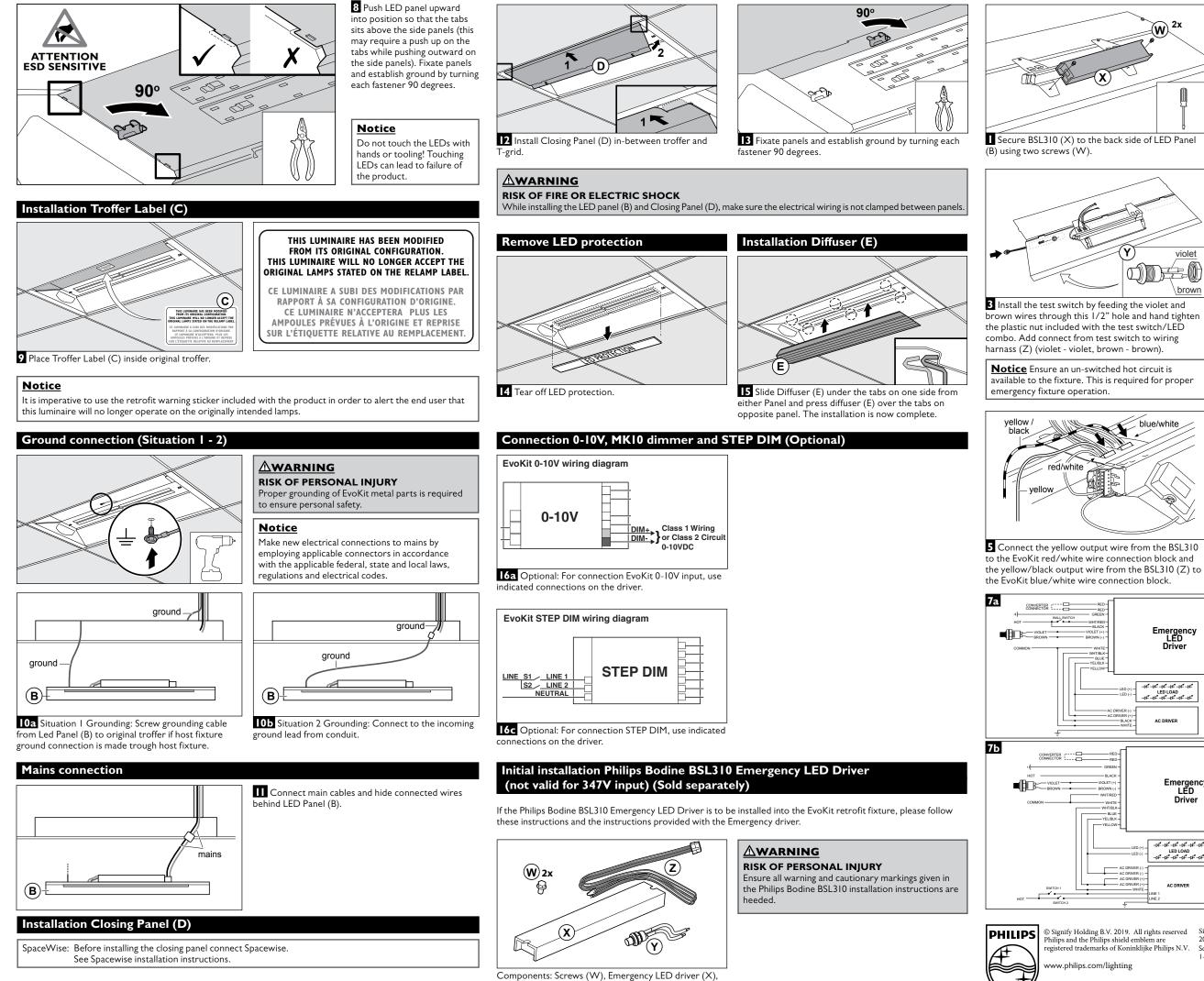
For installation of the Philips Bodine BSL310 Emergency LED Driver, please see the emergency driver

7 Install LED panel (B) in between troffer and T-grid, making sure the tabs at each corner of the LED panel slide into the respective slots on the side panel.

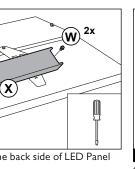
#### Notice

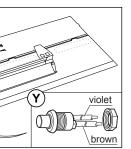
Do not touch the LEDs with hands or tooling! Touching LEDs can lead to failure of the product.

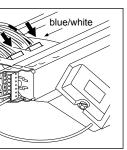
While installing the LED panel (B) and Closing Panel (D), make sure the electrical wiring is not clamped

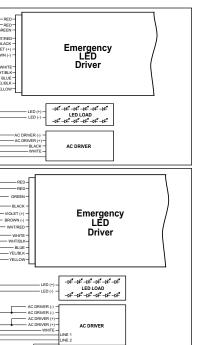


Test switch (Y) Wiring harnass (Z).





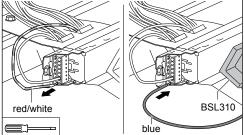




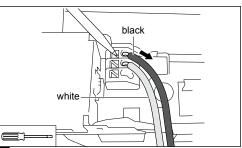
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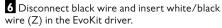
Signify North America Corporation 200 Franklin Square Drive Somerset, NJ 08873, USA. 1-800-555-0050

15 m<sup>n</sup> max. Ø 1/2" 2 Drill 1/2" hole in the LED Panel (B) for installation of LED/test switch on indicated area.



4 Disconnect the red/white single wire from the EvoKit driver. Replace it with the blue output wire from the BSL310 (Z). Place a wire nut over the original red/white wire for proper isolation.





**7b** Emergency LED driver wiring in combination with **STEP** version.

> Signify Canada Ltd./Signify Canada Lteé. 281 Hillmount Road. Markham, ON, Canada L6C 2S3 1-800-555-0050