Installation guide
Philips EvoKit G5 LED 2x4 and 2x2

This installation guide is only valid for the following Philips EvoKit models:

- **Products 2x4**
- **Products 2x2**

### Set contains

- A Side Panel
- B LED Panel
- C Troffer Label
- D Closing Panel
- E Diffuser

### Tools required and warning precautions electronic static discharge

- **CAUTION**
  - Do not make or alter any open holes in an enclosure or in panels that may be damaged.
  - Do not expose the product to substances and /or materials containing sulphur, chlorine or other halogen compounds and to chemicals mentioned in below table.

<table>
<thead>
<tr>
<th>Category</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvents</td>
<td>Toluene, xylene, benzene, chloromethane, chloroform, acetaldehyde, butyl acetate, acetone, MBK, MIBK</td>
</tr>
<tr>
<td>Acid</td>
<td>HCl, H2SO4, HNO3</td>
</tr>
<tr>
<td>Alkali</td>
<td>KOH, NaOH, LiOH, CsOH</td>
</tr>
<tr>
<td>Oil</td>
<td>Diesel oil, petroleum, hydrocarbons</td>
</tr>
</tbody>
</table>

### 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.
- **DO NOT TOUCH LED ELECTRONICS.** Before installation, turn power off.

### Install Side panels (A)

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

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

### Installation Philips Bodine BSL310 (Optional)

- For installation of the Philips Bodine BSL310 Emergency LED Driver, please see the emergency driver installation section from this EvoKit manual.

### LED Panel (B)

- **CAUTION**
  - Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation except if specifically mentioned in these installation guide.

### Notice

- **DO NOT TOUCH LED ELECTRONICS.** Before installation, turn power off.

### Installation LED Panel (B)

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

### 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.

### LED Panel (B)

- **CAUTION**
  - Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation except if specifically mentioned in these installation guide.

### Notice

- **CAUTION**
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### Notice

- **DO NOT TOUCH LED ELECTRONICS.** Before installation, turn power off.

### 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.

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

- **WARNING**
  - Before installation, turn power off.

### Notice

- **WARNING**
  - LED electronics can be damaged by electrostatic discharge (ESD) shock. Before installation, return yourself by touching a grounded bare metal surface to remove this hazard. Do not touch the LED module.

### Notice

- **DO NOT TOUCH LED ELECTRONICS.** Before installation, turn power off.

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

- **WARNING**
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### Notice

- **WARNING**
  - LED electronics can be damaged by electrostatic discharge (ESD) shock. Before installation, return yourself by touching a grounded bare metal surface to remove this hazard. Do not touch the LED module.
**Notice**

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

**WARNING**

**RISK OF FIRE OR ELECTRIC SHOCK**

While installing the LED panel (B) and Closing Panel (D), make sure the electrical wiring is not cramped between panels.

**Notice**

Ensure all warning and cautionary markings given in the Philips Bodine BSL310 installation instructions are heeded.

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**Attention ESD Sensitive**

**Step Dim**

Attach the ER100 emergency relay to the two NO EMERGENCY LED DRIVER.

**Push LED panel upward**

90°

**WARNING**

**Run LED panel upward**

Ensure all warning and cautionary markings given in the Philips Bodine BSL310 installation instructions are heeded.

**WARNING**

**Attention ESD Sensitive**

**Evokit**

This luminaire has been modified from its original configuration. This luminaire will no longer accept the emergency bracket tab. ER100 Jumper wire is used in combination with Emergency LED Driver wiring in combination with STEP DIM version.

**Notice**

For the ER100, do not connect the jumper wire to any circuitry in the fixture.

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**WARNING**

**Risk of Personal Injury**

Proper grounding of Evokit metal parts is required to ensure personal safety.

**Notice**

Make new electrical connections to mains by employing applicable connectors in accordance with the applicable federal, state and local laws, regulations and electrical codes.

**Ground connection (Situation 1 - 2)**

**1.** Situación 1 Grounding: Screw grounding cable from LED Panel (B) to original troffer fixture. Screw grounding lead from conduit.

2.** Situación 2 Grounding: Connect to the incoming green lead from conduit.

**Mains connection**

**11.** Connect main cables and hole connected wires behind LED Panel (B).

**Installation Closing Panel (D)**

**SpaceWire**: Before installing the closing panel connect SpaceWire. See SpaceWire installation instructions.

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**Evokit 0-10V wiring diagram**

- **Connection 0-10V and STEP DIM (Optional)**

**Evokit STEP DIM wiring diagram**

- **Optional**: For connection STEP DIM, use indicated connections on the driver.

**Initial installation Philips Bodine BSL310 Emergency LED Driver (not valid for 347V input) (Sold separately)**

If the Philips Bodine BSL310 Emergency LED Driver is to be installed into the Evokit retrofit fixture, please follow these instructions and the instructions provided with the Emergency driver.

**Notice**

Do not connect the jumper wire to any circuitry in the fixture.

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**ER100 Emergency Relay Installation**

**1)** Remove the purple and brown wires going to the sensor from the SR driver terminals.
**2)** Attach the driver bracket to the Evokit housing with a #8 screw into the hole provided. Note: It’s not necessary to insert the driver bracket tab into the fixture.
**3)** Attach the two emergency brackets to the two SR driver brackets with two #8 screws into the holes provided.
**4)** Attach the ER100 emergency relay to the two emergency brackets with two #8 screws into the holes provided.

**Notice**

Ensure all warning and cautionary markings given in the Philips Bodine BSL310 installation instructions are heeded.

**Notice**

Ensure an un-switched hot circuit is available to the fixture. This is required for proper emergency fixture operation.

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