Philips EvoKit LED 2x4 and 2x2 Installation guide

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

<table>
<thead>
<tr>
<th>EvoKit</th>
<th>2x4 P</th>
<th>2x2 P</th>
<th>2x2 R</th>
<th>2x4 Mk10</th>
<th>2x2 Mk10</th>
</tr>
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<tr>
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<td>36L</td>
<td>36L</td>
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<td>833</td>
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<td>1  GB/0</td>
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</tbody>
</table>

Set contains

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

Tools required

- Phillips Screwdriver
- Flathead Screwdriver
- Utility Knife

WARNING

RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY

Before installation, turn power off.

Tools required

- Phillips Screwdriver
- Flathead Screwdriver
- Utility Knife

WARNING

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.

WARNING

RISK OF PERSONAL INJURY

Do not install with total power input greater than power rating of original fixture.

This equipment may have sharp edges. Wear gloves to prevent cuts or abrasions when removing from carton, handling and maintaining this equipment.

Installation of Side Panels (A)

1. Install Side panels (A) in-between troffer and T-grid.
2. Slide Side Panel (A) outwards as far as possible.

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.

WARNING

RISK OF PERSONAL INJURY

When drilling for installation of LED retrofit kit. Check for enclosed wiring and components.

Installation Philips Advance 503441 (Optional)

For installation of the Philips Advance 503441 Emergency LED Driver, please see the emergency driver installation section from this EvoKit manual.

Installation LED Panel (B)

1. Install LED panel (B) in-between troffer and T-grid, making sure the tabs are in the desired hole.
2. Connect the LED panel (B) to the desired hole.
3. Connect the electrical wiring to the desired hole.

Notice

Do not install in a damaged fixture.

WARNING

RISK OF PERSONAL INJURY

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

Notice

Isolate the host fixture ballast from the mains power supply before installation.

Remove host fixture contents

1. Turn power off and take out original cover.
2. Take out TL tubes.
**Installation Troffer Label (C)**

This luminaire has been modified from its original configuration. This luminaire will no longer accept the original lamps stated in the replacement label.

Notice

It is imperative to use the retrofit warning sticker included with the product in order to alert the end user that this luminaire will no longer operate on the originally intended lamps.

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

Ground connection (Situation 1 - 2)

**Mains connection**

1. Connect main cables and hide connected wires behind LED Panel (B).

**Installation Closing Panel (D)**

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

**Connection 0-10V, MK10 dimmer and STEP DIM (Optional)**

**Evokit 0-10V wiring diagram**

- 0-10V
- Class 1 Wiring for Class 2 Circuits 0-10VDC

**Evokit STEP DIM wiring diagram**

- Use, Select, Connect, Use, Connect, Use, Connect

**Evokit STEP DIM wiring diagram**

**Initial installation Philips Advance 503441 Emergency LED Driver (Sold separately)**

If the Philips Advance 503441 Emergency LED Driver is to be installed into the EvoKit retrofit fixture, please follow these instructions and the instructions provided with the Emergency Driver.

**WARNING**

RISK OF PERSONAL INJURY

Ensure all warning and cautionary markings given in the Philips Advance 503441 installation instructions are heeded.

**Notice**

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

**Notice**

It is imperative to use the retrofit warning sticker included with the product in order to alert the end user that this luminaire will no longer operate on the originally intended lamps.

**Remove LED protection**

12. Install closing panel (D) in between troffer and grid.

13. Fasten panels and establish ground by turning each fastener 90 degrees.

**WARNING**

RISK OF FIRE OR ELECTRIC SHOCK

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

**Installation Diffuser (E)**

14. Tear off LED protection.

15. Side diffuser (E) under the tabs on one side from inner panel and press diffuser (F) over the tabs on opposite panel. The installation is now complete.

**Connection 0-10V, MK10 dimmer and STEP DIM (Optional)**

**Evokit 0-10V wiring diagram**

- 0-10V
- Class 1 Wiring for Class 2 Circuits 0-10VDC

**Evokit STEP DIM wiring diagram**

- Use, Select, Connect, Use, Connect, Use, Connect

**Evokit STEP DIM wiring diagram**

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**Initial installation Philips Advance 503441 Emergency LED Driver (Sold separately)**

If the Philips Advance 503441 Emergency LED Driver is to be installed into the EvoKit retrofit fixture, please follow these instructions and the instructions provided with the Emergency Driver.

**WARNING**

RISK OF PERSONAL INJURY

Ensure all warning and cautionary markings given in the Philips Advance 503441 installation instructions are heeded.

**Notice**

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

**Notice**

It is imperative to use the retrofit warning sticker included with the product in order to alert the end user that this luminaire will no longer operate on the originally intended lamps.

**Remove LED protection**

12. Install closing panel (D) in between troffer and grid.

13. Fasten panels and establish ground by turning each fastener 90 degrees.

**WARNING**

RISK OF FIRE OR ELECTRIC SHOCK

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