Field install guide
Philips Advance 503441 Emergency LED driver for EvoKit G2

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

<table>
<thead>
<tr>
<th>EvoKit</th>
<th>2x4 P</th>
<th>36L xxW</th>
<th>835</th>
<th>20-10</th>
<th>7 G2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2x2 P</td>
<td>23L</td>
<td>830</td>
<td></td>
<td>1 Mk10</td>
<td></td>
</tr>
<tr>
<td>2x4 P</td>
<td>32L</td>
<td>835</td>
<td></td>
<td>2 0-10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>36L</td>
<td>840</td>
<td></td>
<td>2 STEP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>42L</td>
<td></td>
<td></td>
<td>5 Mk10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>52L</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
**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.

<table>
<thead>
<tr>
<th>Category</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvents</td>
<td>Toluene, xylene, benzene, chloromethane, chloroform, ethyl acetate, butyl acetate, acetone, MEK, MIBK</td>
</tr>
<tr>
<td>Acid</td>
<td>HCl, H₂SO₄, HNO₃</td>
</tr>
<tr>
<td>Alkali</td>
<td>KOH, NaOH, LiOH, Ca(OH)₂</td>
</tr>
<tr>
<td>Oil</td>
<td>Diesel oil, petroleum, hydro carbons</td>
</tr>
</tbody>
</table>

**Caution**

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**

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

**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.

**Caution**

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.
Remove Diffuser

1. Remove Diffuser by pressing one side of the Diffuser.

Remove Closing Panel

2. Turn each fastener 90 degrees.
3. Lower the Closing Panel and slide it out.

Mains disconnection

4. Disconnect mains.

Ground disconnection (Situation 1 - 2)

5a. Situation 1 Grounding: Unscrew grounding cable.
5b. Situation 2 Grounding: Disconnect the ground lead from conduit.

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

Set contains

- W Screw (2x)
- X Emergency LED driver
- Y Test switch
- Z Wiring harness

Tools required

- Electric drill
- Screwdriver
- Pliers
- Gloves

Field install Philips Advance 503441 Emergency LED driver
Remove LED Panel

4 Turn each fastener 90 degrees.

7 Lower LED panel and slide it out.

Installation Philips Advance 503441 Emergency LED driver (X)

3 Secure 503441(X) to the back side of LED Panel using two screws (W).

2 Drill 1/2” hole in the LED Panel for installation of LED/test switch on indicated area.

10 Install the test switch (Y) by feeding the violet and brown wires through this 1/2” hole and hand tighten the plastic nut included with the test switch/LED combo. Add connect from test switch to wiring harness (Z) (violet - violet, brown - brown).

11 Disconnect the red/white single wire from the EvoKit driver. Replace it with the blue output wire from the 503441 (Z). Place a wire nut over the original red/white wire for proper isolation.

12 Connect the yellow output wire from the 503441 to the EvoKit red/white wire connection block and the yellow/black output wire from the 503441 (Z) to the EvoKit blue/white wire connection block.

14a Connect WHT/RED, BLACK and WHITE (2x) wires (Z) as per the 503441 wiring diagram.

Connect the 503441 red to red as indicated in schematic (Z).

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

Connect mains and hide connected wires behind LED Panel.

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**Installation LED Panel**

15. Install LED panel 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.

16. Push LED panel upward into position so that the tabs sits above the side panels (this may require a push up on the tabs while pushing outward on the side panels). Fixate panels and establish ground by turning each fastener 90 degrees.

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

17a. Situation 1 Grounding: Screw grounding cable from Led Panel to original troffer if host fixture ground connection is made through host fixture.

17b. Situation 2 Grounding: Connect to the incoming ground lead from conduit.

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**WARNING**

**RISK OF PERSONAL INJURY**

While installing the LED panel and Closing Panel, make sure the electrical wiring is not clamped between panels.

**Notice**

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

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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.

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**Notice**

For the EvoKit, do not connect the jumper wire / load select (yellow/red) on 503441.
**Installation Closing Panel**


20. Fixate panels and establish ground by turning each fastener 90 degrees.

**Installation Diffuser**

21. Slide Diffuser under the tabs on one side from either Panel and press diffuser over the tabs on opposite panel.

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**WARNING**

RISK OF FIRE OR ELECTRIC SHOCK

While installing the LED panel and Closing Panel, make sure the electrical wiring is not clamped between panels.