

# Installation Instructions

# EP40

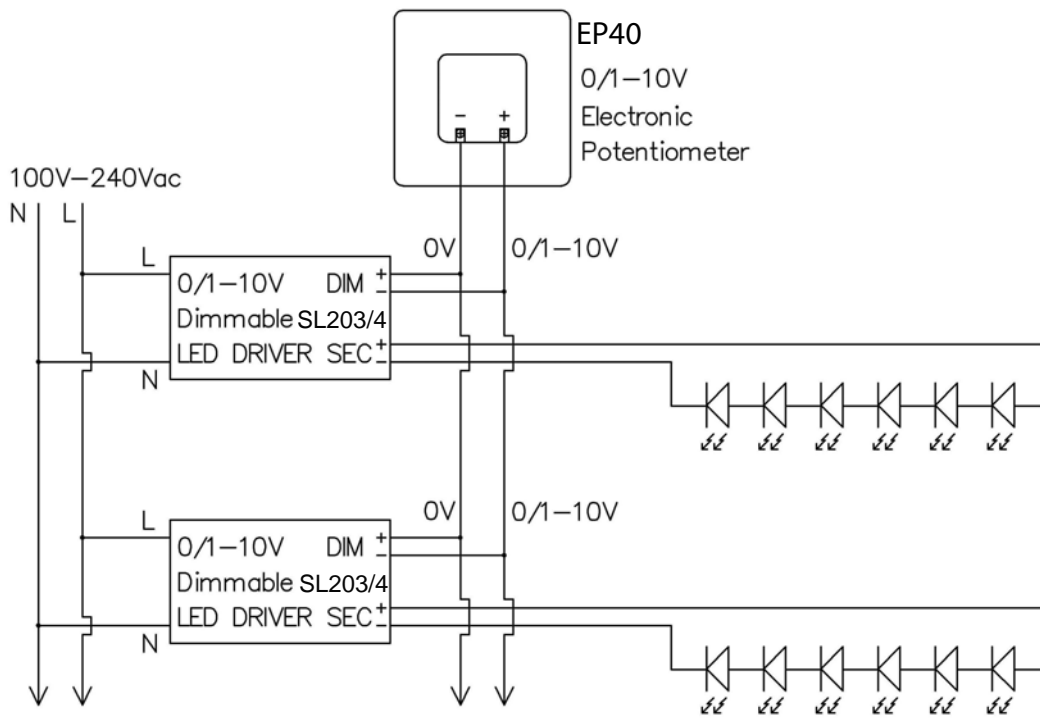
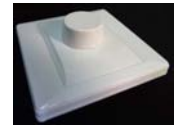


Figure 1

Dimensions:  
86Lx86Wx47H mm  
Depth: 20mm

Max. Control Voltage: 10v dc  
Min. Control Voltage: 0.5v dc  
Max. Control Current: 40mA

Ambient Temp: -10 - + 40 C

## WARNING

This product must be wired as described below. Incorrect wiring WILL result in irreparable damage to the LED and driver. Read these instructions fully and carefully. This product is NOT a dimmer "switch" - it has no on/off capability, therefore the chosen driver must be wired to a switch if the fittings require switching on or off.

## GENERAL

Thank you for purchasing a quality SI-LITE product. This product has been designed, developed and tested to our strict codes & standards. This product is designed to accept a 10v/40mA DC supply, and is dimmable with an SL203D or SL204D LED driver . It is only tested for use with SI LITE Constant current High Powered 1w LED's or SL140 3.6w LED fittings.

The EP40 will dim SL003; SL008; SL140; SL52xA; SL51x; SL61x down to approx. 30% of full beam.

To dim (minimum 30% light output), turn the dial to the left. To increase light output (max. 100%), turn the dial to the right. Protect from exposure to heat from sunlight and lights. This product MUST be wired as shown above - see figure 1.

## IMPORTANT INFORMATION

Installation should be carried out in accordance with IEE wiring regulations. Always disconnect the mains supply before installation. Connect the transformer to the mains supply ensuring that it is protected by a fused connection unit. Make sure all electrical connections are tight. Install the fitting as described below. Never handle hot lamps.

## ASSEMBLY INSTRUCTIONS

1. Isolate the mains supply before installation. Check the LED Driver Installation Instructions to ensure max. load is not exceeded.
2. Wire up to the maximum number (6/12) x 1w 350mA LED's OR 1/3 x SL140's for the SL203D/SL204D driver in series - see fig. 1
3. Connect the positive wire (red) from the first fitting to the LED+ terminal.
4. Connect the negative wire (black) from the first fitting to the positive wire (red) of the second fitting, and so on to the last fitting.
5. Connect the negative wire (black) from the last fitting to the LED - terminal.
6. Connect a wire from the DIM+ terminal to the Negative (left side when rear of EP40 is facing you) terminal of the EP40 Dimmer.
7. Connect a wire from the DIM - terminal to the Positive (right side when rear of EP40 is facing you) terminal of the EP40 Dimmer.
6. Check you have followed these instructions fully, incorrect wiring will result in irreparable damage to the LED's and to the driver. SI-LITE performs strict tests on all of our products, and we will not replace products which have been incorrectly wired.
7. Connect a 100-240v supply to the Live & Neutral terminals of the driver (no earth required). Now you can switch on the supply.
8. If in doubt, contact a qualified electrician.
9. To fix into a standard 1 gang 87mm x 87mm PVC back box (min. depth required 25mm) insert a small flat headed screwdriver into the slot on the bottom edge of the EP40. Twist to remove the cover plate, revealing 2 screw holes. Using the correct electrical screws, fix the EP40 to the back box, ensuring all wiring is correctly wired and has sufficient space within the back box. When the EP40 is firmly fixed, simply replace the cover plate and snap into place.
10. IMPORTANT: The chosen LED driver must be wired to a switch in order for fittings to be switched on or off.

## GUARANTEE

This product is guaranteed for a period of 1 year from the date of purchase. The guarantee is invalid in the case of improper use, improper installation or tampering. Should the product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. SI-LITE is not responsible for any costs associated with the replacement of this product.