

LED-IT B®



**Do not overtighten the dimmer ring / hex nut.
- Max torque setting 0.4Nm.**

Maximum Load:

The LED-IT B intelligent (mains voltage) dimmer can control up to 100W LED load (**10 Lamps Maximum**) in both Trailing & Leading Edge mode.

Technical Features:

- Intelligent LED compatible dimmer module.
- One-way and two-way switch for ON/OFF function.
- Ideal retrofit module to replace traditional dimmer.
- Minimum load 5W (1x LED lamp).
- Soft start up and down feature helps extend lamp life.
- Simple configuration and set-up for minimum dimming level and mode setting.
- Built-in short circuit protection, once activated the module will suspend operation for 5 seconds.
- Built-in thermo circuit protection. To prevent overheating, a self-setting thermostat will protect the dimmer should the module temperature increase above 110°C. The dimmer will become operational once the dimmer has cooled to below 75°C.
- The dimmer will automatically be set to Trailing Edge mode, but can be manually set to Leading Edge mode.
- Designed to be installed using a 35mm flush wall box that conforms to BS4662:2006.

Terminals	L1 – Live 1 C - Common L2 – Live 2	Input Rated Voltage	230-240V AC ~ 50Hz
Capacity – Minimum Load	5W	Capacity – Maximum Load	100W Trailing Edge 100W Leading Edge (1 to 10 LEDs MAX)
No. Of Operation Modes	2 Operation Modes: Trailing Edge Leading Edge	Ambient Temperature Range	0°C to +75°C
		Thermo Circuit Protection	Activates if dimmer temperature rises above 110°C, after cooling, dimmer resumes normal operation
Dimensions (mm)	23 (W), 29 (D), 58 (H)	Standard & Approval	BS EN 60669 - 2 - 1

See a demonstration video on [YouTube](#) by searching for **Hamilton Litestat**. Or visit our web site www.hamilton-litestat.com for more information.



Please dispose of electronic equipment responsibly.



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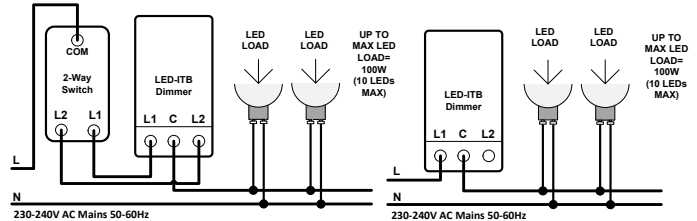
CAUTION

IMPORTANT – PLEASE READ BEFORE INSTALLATION:

The device had been designed for single-phase installation, and must be installed in accordance with applicable UK and European standards. Installation, connection, and setup should be carried out by a qualified electrician. The device should be connected according to the connection diagram below. DO NOT disassemble device as it may cause an electric shock and will invalidate the guarantee. Before installation, ensure the mains power is isolated and connection cables are not live. For technical support contact us via: Post: Hamilton Litestat Customer Services, Unit 10, Carrick Business Centre, 4-5 Bonville Road, Brislington, Bristol, BS4 5NZ. Web: www.hamilton-litestat.com, Email: technical@hamilton-litestat.com

Installation:

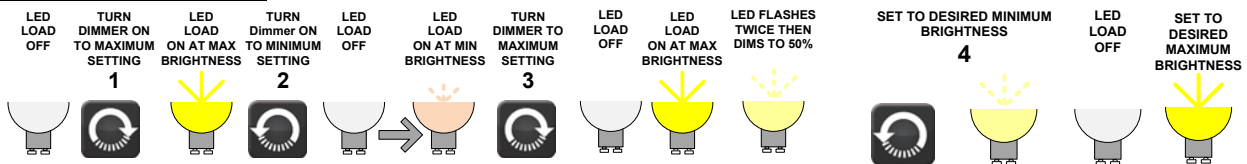
1. Isolate the mains supply
2. Remove the retaining screws and carefully withdraw accessory from wall box to reveal connections at rear.
3. Disconnect all cables noting their respective connections.
4. Bend back top and bottom wall box mounting lugs if present
5. Connect accessory with reference to wiring diagram.
6. Check all connections thoroughly.
7. **Do not overtighten the dimmer ring / hex nut. - Max torque setting 0.4Nm.**
8. Ensure the wall box is free from dust and debris.
9. Mount accessory, taking care not to trap any cables beneath plate fixing screws.
10. Do not over tighten fixing screws. This may cause damage, which could invalidate warranty.
11. Switch on mains supply at fuse box and check operation of accessory.



Number of dimmer switches per plate	Nominal plate size (mm)	MAX Loading per plate (Trailing / Leading Edge) (Max 10 LEDs per circuit).
1	86 x 86	100W
2	86 x 86	140W
3	86x 146	210W
4	86 x 146	280W

Plates with 2 or more dimmer must be de-rated to 70W per gang

Setting the Minimum Level



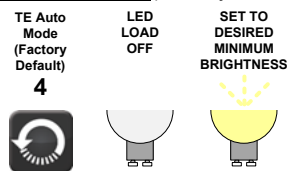
1. With the lamps in the off position, turn to **MAXIMUM (1)** then press control knob to turn the lamps on.
2. Rotate the control knob to the **MINIMUM (2)** setting. Press the control knob to turn the LEDs off then press again to turn them back on.
3. Rotate the knob to the **MAXIMUM (3)** setting. Press the knob to turn the LEDs off then press again to turn them back on.
4. The LEDs will **FLASH TWICE**. The dimmer has now entered minimum mode.

Set to the desired **MINIMUM BRIGHTNESS (4)** and then push **OFF** and **ON**. The lamps will flash once to confirm the new setting has been saved.

The dimmer is pre-set to operate in TE (Trailing Edge) - auto mode, the dimmer can be manually set to LE (Leading Edge) mode, if required following the steps below:

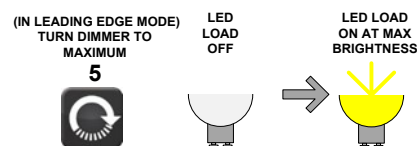
- With the lamps in the off position, turn to **MINIMUM (1)** setting, then press control knob to turn lamps on.
- Rotate the control knob to the **MAXIMUM (2)** setting. Press the control knob to turn the LEDs off then press again to turn them back on.
- Rotate the control knob to the **MINIMUM (3)** setting. Press the control knob to turn the LEDs off then press again to turn them back on.
- The LEDs will **FLASH FOUR TIMES**. The dimmer has now entered Leading Edge/ Trailing Edge mode setting.
 - At **MINIMUM** push control knob off & on to select **TRAILING EDGE**. LEDs will **FLASH ONCE** to confirm setting.
 - OR at **MAXIMUM** push control knob off & on to select **LEADING EDGE**. LEDs will **FLASH ONCE** to confirm setting.

Set Trailing Edge - Auto Mode (Factory Default).



At **MINIMUM position (4)** push OFF and ON once to confirm and save. The lamp will flash to confirm the setting change.

Set Leading Edge Mode (for special requirement).



At **MAXIMUM position (5)** push OFF and ON for once to confirm and save setting. The lamp will flash to confirm the setting change.

The factory default setting could be suitable for use in both Trailing Edge and Leading Edge modes; you may find there is no need to change the default settings. However you can manually change the settings to Leading Edge mode if your lamps become unstable.

DISCLAIMER:

This equipment is intended for domestic and commercial installations only, including hotels and offices. It must be installed in accordance with the supplied fitting instructions. It should be fixed in the approved and conventional way to a folded metal wall box that conforms to BS 4662. All accessories are manufactured under an accredited BS EN ISO9001:2008 Quality Management System.

GUARANTEE (Applies to UK and Eire):

This accessory is guaranteed against faulty workmanship or materials for a period of twelve months and will be repaired or replaced free of charge on condition that it is returned to Customer Services Dept, and that: (See notes a - d below).

- a) The accessory has not been overloaded or connected to a supply other than 230/240 volts 50Hz.
- b) The installation procedure has been carried out correctly.
- c) The accessory has not been taken apart or repaired by any unauthorised person.
- d) The Bill of Sale (dated) accompanies the accessory for repair or replacement.

This guarantee does not affect the statutory rights of the consumer. In no circumstances can the company accept responsibility for any consequential loss or damage said to arise from the use of this product.