

Lucci LEDlux – Electronic LED Dimmer

SKU# 290998

Rated Voltage 220-240V~ 50/60Hz

Thank you for purchasing this quality Lucci product. To ensure correct function and safety, please read and follow all instructions carefully before using the product. Please keep instructions for future reference.

Warranty

- This Electronic Dimmer is covered by a 12 month warranty. The warranty is from date of purchase, not the date of installation.
- If the Electronic Dimmer is not assembled and installed by a licensed electrician the warranty will be void.
- Please retain proof of purchase and evidence of installation by a licensed electrician for any warranty enquiries.
- Warranty will be void if there is any damage due to improper usage or modification to the Electronic Dimmer.
- Failure to comply with the instructions in this manual may increase the risk of damage or injury and will void warranty.

Installation Requirements

- **Must be installed by a licensed electrician and in accordance to AS/NZS3000 (the latest edition).**
- This LEDlux LED Dimmer is designed for use with LEDlux brand family dimmable LED lighting equipment. Where the loads are on the same electrical circuit, it must be Mains 240V dimmable LED retrofit luminaires which have a dimmable LED driver. (Note: A dimmable electronic transformer is not considered to be a dimmable LED Driver).
- Problems encountered when using other types of dimmable 240V luminaires NOT recommended in this installation guideline are NOT covered by the Lucci LEDlux guarantee.
- Do not exceed the rated output load listed below:
 - **For Mains 240V LEDlux dimmable LED globes and downlights: Max. 200W;**
 - **For Mains Halogen globes: Max. 200W;**
 - **ELV halogen with dimmable transformer: Max. 200W**
- Not suitable for use with ferromagnetic transformers.
- Do not exceed rated power input specification.
- This product is suitable for indoor use only.

Installation Preparation

Before carrying out the installation the following must be considered.

- Wall plate or wall mounting box (not supplied) will be required for installation pending on where the dimmer will be located e.g. behind a wall or surface mounted.
- A wall switch is required (not supplied) when using with this dimmer to provide ON/OFF and isolation to the electrical lighting equipment circuit. The dimmer **MUST** not be used as an ON/OFF switching device. Only use as a dimmer.
- Ensure the power to the electrical circuit is switched OFF.
- All electrical wiring connection & disconnection must be in accordance with Australian & New Zealand wiring rules e.g. AS/NZS 3000 (the latest edition).

CAUTION: For your safety, this LEDlux LED electronic dimmer must be installed by a licensed electrician.

Installation Directions

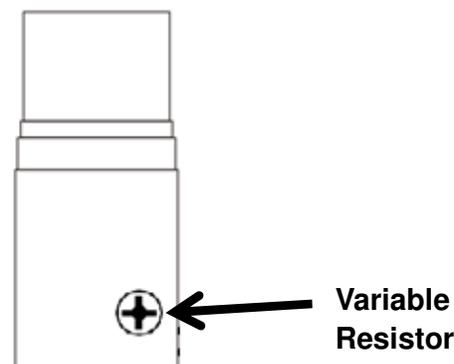
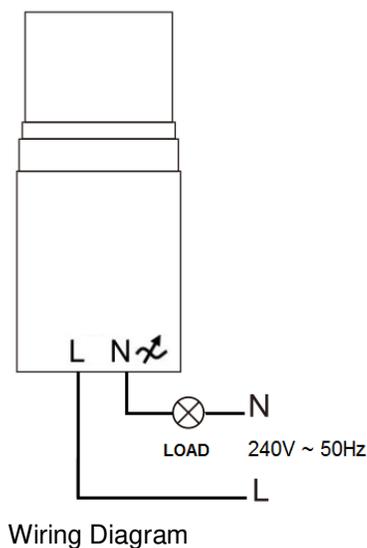
WARNING – HIGH VOLTAGE

- For your safety: Power to the circuit must be disconnected or switched off.
- Household power can cause **SERIOUS INJURY** or **DEATH**.
- Wiring must meet all local and national electrical wiring codes.

MAKING THE ELECTRICAL CONNECTIONS (see Fig.1)

1. Disconnect electrical power from the working circuit.
2. Connect 240V ~ mains **L** to **L** of the dimmer.
3. Connect **N** of the dimmer to the **LOAD**.
4. Connect the **LOAD N** to the 240V~ mains **N**.
5. Optional - adjust the **variable resistor** to optimize the dimming range for the connected LED LOAD.

(Note: More LED type LOADs can be connected in series, up to the maximum allowable per LOAD type outline in the “installation requirements” section of this manual.)



NOTE: The Variable Resistor on the LEDlux LED Dimmer allows correcting and maximizing dimming range when using the LEDlux Dimmable LED product range from Beacon Lighting. Turn clockwise to reduce the lowest dimming level, turn anti-clockwise to increase the lowest dimming level.

FIGURE 1. Wiring Diagram

Note: An isolation wall switch must be included in the wiring installation. The switch allows disconnecting of the dimmer and loads from the mains 240VAC power during maintenance and cleaning of the LED lighting equipment.

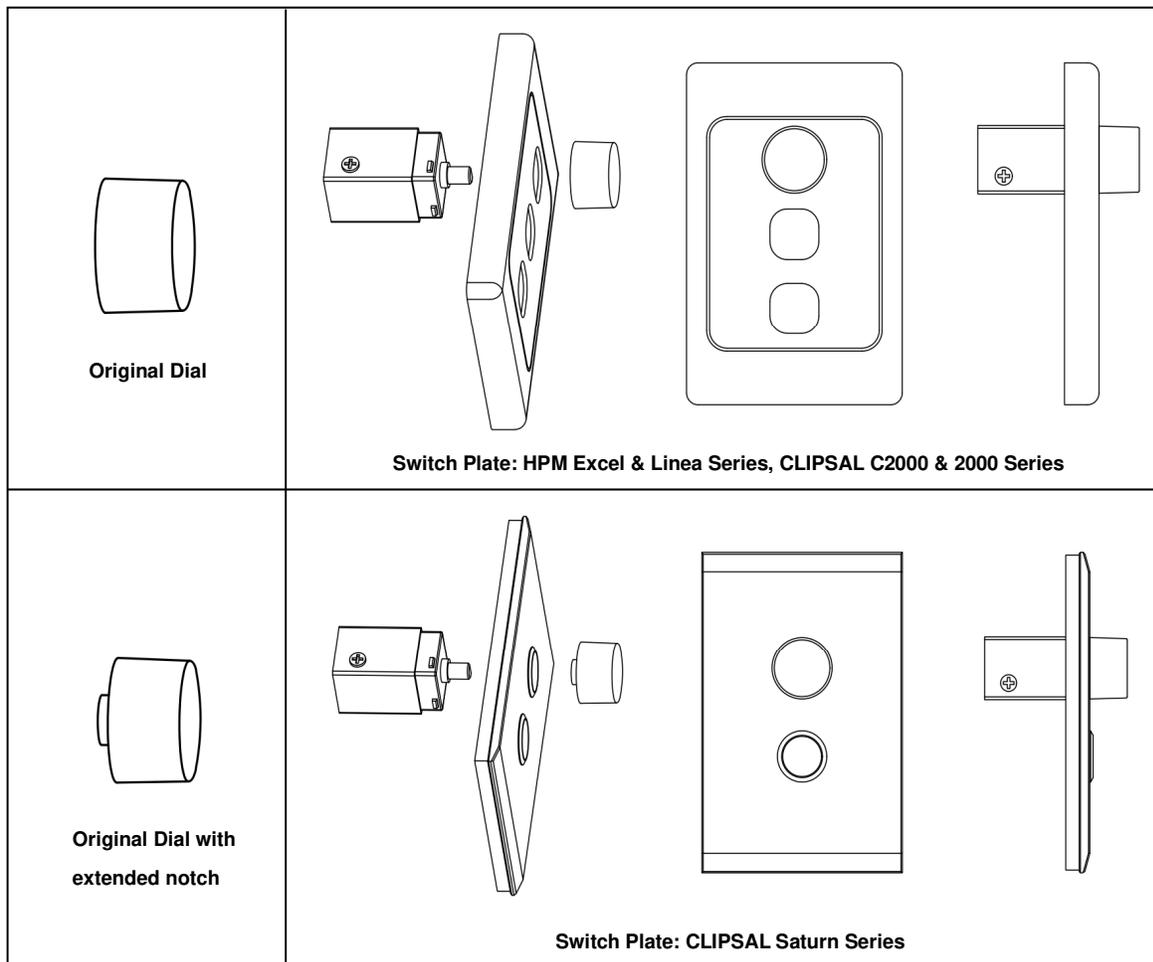


FIGURE 2. Dials application

Operation

ON / OFF

- Press and release the dial to turn the dimmer ON or OFF.

DIMMING

- Turn the dial clockwise or anti-clockwise to dim up or down.

| Specifications | |
|--|-------------|
| SKU# 290998 | |
| Specification – Dimmer Input: | |
| Model # | KDT-200IA-4 |
| Rated Voltage | 220-240V AC |
| Frequency | 50/60 Hz |
| Specification – Dimmer Output | |
| LEDlux Dimmable LED Luminaires, Downlights, and globes (Mains 240V type only) | Max. 200W |
| HV – halogen | Max. 200W |
| ELV Converter / Transformer (With halogen load only) | Max. 200W |

| Trouble shooting | | |
|---|--|---|
| SYMPTOMS | PROBABLE CAUSES | SUGGESTED REMEDY |
| 1. The dimmer is not operating. | The Switch on the dimmer circuit has been turned OFF. | 1) Check the switch to the dimmer circuit and switch ON. |
| | Mains power is not restored to lighting circuit & dimmer. | 1) Replace the fuse or turn ON circuit breaker at the switchbox. |
| 2. The Lamps / Luminaires flickers when dimmer is at maximum or minimum. | The LEDlux LED load does not receive enough electrical voltage/current because: 1) Minimum/Maximum loading on the dimmer circuit is not met, and flickering can occur while dimming at minimum or maximum. | Increase/remove the loading by adding/removing more LEDlux LED product onto the same dimming circuit, so that the dimmer load is within specification. Refer to technical specification. |
| | 2) At minimum setting the dimmer circuit provides very little voltage/current. | Adjust the variable resistor on the LED dimmer, to adjust the voltage/current input into the dimming circuit until the LED stops flickering. This may reduce the dimming range, but offer LED light performance stability. Note: This task can only be performed by a licensed electrician. |
| 3. Dimming range is not good. Cannot dim LED load to 0% / zero light. | All LEDlux dimmable LED drivers are different in specification. The LEDlux dimmer has a variable resistor to adjust the input voltage/current into the dimming circuit with the variable resistor which can allow dimming to 0%, or near 0%. | Adjust the variable resistor. This will improve the dimming range to zero or near zero LED light output of the dimmable LED luminaire. LED performance may reduce slightly; however, the dimming range is improved. Note: This task can only be performed by a licensed electrician. |
| | Compatibility issues - other dimmable LED drivers may not be compatible to dim to near zero. | Adjust the variable resistor. This will improve the dimming range, however, may not achieve zero % dimming. LED performance may reduce slightly; however, the dimming range is improved. Note: This task can only be performed by a licensed electrician. |

Warranty

LUCCI WARRANTY DETAIL

LUCCI WARRANTY HOTLINE- 1800 602 243

In the event of service being required, please call the Lucci Warranty Hotline on 1800 602 243 between 9am & 5pm (EST) Monday to Friday. Please make sure you have all the details filled out at the end of the manual in the section "WARRANTY INFORMATION" before making the call.

In addition to any warranty rights or conditions under statutory regulations, Lucci warrants all of its LED Dimmers against defective workmanship and faulty materials for 12 months from the date of purchase. Lucci undertakes, at its option, to repair or replace, free of charge, each product or part thereof on condition that;

1. The LEDlux LED Dimmer was installed correctly as outline in the installation manual;
2. The product was installed by a licensed electrical contractor.
3. LEDlux LED Dimmer has not been subjected to misuse, neglect, or been involved in an accident.
4. The repairs are not required as a result of normal wear and tear.
5. A copy of the original receipt of purchase is presented.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Lucci Design cannot be held responsible for any repair other than those carried out by it or one of its Authorised Service Agents. Please keep this warranty information in a safe place. This information must be produced in the event of service being required.

LUCCI WARRANTY INFORMATION

LUCCI WARRANTY HOTLINE- 1800 602 243

Complete and retain this form for your personal records and warranty purposes.

NAME _____

ADDRESS _____

_____ POSTCODE _____

MODEL NUMBER _____

(PO# + DATECODE Sticker here)

PO NUMBER or DATECODE _____

DATE OF PURCHASE _____

INSTALLING LICENSED ELECTRICIAN & LICENCE # _____

ATTACH PROOF OF PURCHASE HERE

COMPLETED DETAIL PAGE SHOULD BE PRODUCED AND SENT TO THE WHOLESALE OR THEIR AUTHORISED AGENTS BEFORE OBTAINING WARRANTY SERVICE.