ROTARY DIMMER

SKU# 290917

Rated Voltage 220-240V~ 50Hz

Thank you for purchasing this quality Lucci product. To ensure correct function and safety, please read and follow all instructions carefully before assembly, installation and use of this dimmer. Please keep instructions for future reference.

Warranty

- This dimmer is covered by a 5-year warranty. The warranty is from date of purchase, not the date of installation.
- If the dimmer is not 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 dimmer.
- Failure to comply with the instructions in this manual may increase the risk of damage or injury and will void the warranty.

Installation Requirements

- **Must be wired and installed by a licensed electrician and in accordance to the current local and national wiring rules. AS/NZS 3000 Electrical Installations (the latest edition).**
- This Lucci Power dimmer is designed for use with Lucci brand family dimmable LED lighting equipment. Where the loads are on the same electrical circuit, it must be Mains 240V dimmable LED retrofit luminaries 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 warranty.
- Do not exceed the rated output load listed below:
  - **For Mains 240V LED load: Max. 100W**
  - **For Mains 240V Halogen / Incandescent load: Max. 200W**
  - **ELV halogen with dimmable converter / transformer 200W**
- Not suitable for inductive load, non-dimmable load, mixed loads and ELV halogen with iron core 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.
- 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 electronic dimmer must be installed by a licensed electrician.

Installation Directions

WARNING – HIGH VOLTAGE

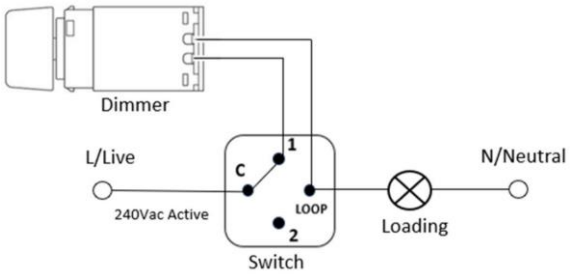
- **Power to the circuit must be switched OFF at the switchboard before the installation. Household power can cause SERIOUS INJURY or DEATH.**
- **This dimmer does not provide full disconnection/off-state. The circuit on the load side of the dimmer should be considered live.**
- **Wiring must meet all local and national electrical wiring codes.**

MAKING THE ELECTRICAL CONNECTION

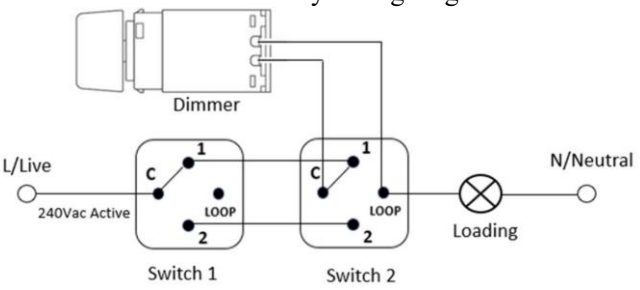
1. Ensure power to the circuit you are working on is disconnected at the switchboard.
2. Remove the existing switch from the wall face plate.
   This dimmer fits into the following wall face plates:
   - Lucci Power Gravity, Lucci Power Ion, Vynco Metro, Vynco Urban
3. The dimmer MUST be connected to the LINE side of the load. See the wiring diagrams below.
4. Connect the neutral of the load to the 240V~ mains supply neutral.
5. Install the dimmer into the face plate and install the face plate back onto the wall.
6. Test all the dimmer functions to ensure it is fully operational and functioning.

Wiring Diagram

One-Way wiring diagram



Two-Way wiring diagram



NOTE:

- Two or more dimmer MUST NOT be connected in parallel or series to control the same load from two different locations.
- An isolation wall switch must be included in the wiring installation. The isolation wall switch allows disconnecting of the dimmer and loads from the mains 240VAC power during maintenance and cleaning of the connected load.
- This dimmer shall be protected by a 6A or up to a 10A maximum miniature circuit braker, which is special use with this dimmer.
- When setting low dimming point on product featuring colour shifting at the wall switch it recommended to use the factory setting, If you don't this may cause your lights to change colour unexpectedly.
- When using colour shifting lights at the switch. To reset colour shifting lights turn dimmer to maximum brightness. Then complete the reset procedure: **Toggle the wall switch OFF and ON twice within 1 second, it will reset back to 3000K.**

Operation

Minimum Brightness Setting

The default minimum brightness is set at 20%. To adjust to a lower brightness complete steps below:

1. **Power On** – Activate the dimmer by switching on the connected isolation switch.
2. **Initial Adjustment** – Rotate the dimmer knob counterclockwise to its minimum position, then rotate it clockwise to its maximum position.
3. **Programming Mode Activation** – Repeat Step 2 six times. The connected lights will flash three times, indicating that the dimmer has entered programming mode.
4. **Set Minimum Brightness** – Adjust the dimmer knob to the desired minimum brightness level.
5. **Save Settings** – Switch off the dimmer using the connected isolation switch. This action will store the selected brightness setting.

DIMMING

- Turn the rotary dial anti clockwise to dim down.
- Turn the rotary dial clockwise to increase.

Product Features	
1	Soft-start operation to extend the life of the luminaire.
2	User can set the minimum dimming level.
3	Built-in shot circuit protection, designed to ensure the dimmer can survive a wiring fault or catastrophic failure of the load.
4	Built-in re-settable thermal cut-off to protect the dimmer over normal operation temperature caused by overloads.

Specifications	
SKU#	290917
Colour	White/Black
Dimming Type	Trailing Edge
Rated Voltage	220-240V~ 50Hz
Minimum Load	Min. 3W
Maximum Load	Dimmable LED - Max. 100W Halogen / Incandescent - Max. 200W ELV halogen with dimmable – 200W converter / transformer
Compatible Loads	Capacitive load, Resistive load
Non-compatible Loads	Inductive load, Non-dimmable load, Mixed loads, ELV halogen with iron core transformers