



multiload

# LEDixia LDX100

0/1-10V controlled dimming driver  
12V and 24V constant voltage LEDs

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## Product order codes

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**LDX100**



## Overview

LEDixia for 12V and 24V Constant Voltage LEDs.

LEDixia LDX100 uses Multiload's dimming reduction flicker-free control from maximum output to darkness for all constant voltage LEDs and strips.

The LDX100 incorporates Multiload's own patented dimming technology. 0/1-10V controlled dimming.

**NB:** Constant Current LEDs and strips would need to use Multiload's LEDrose LDR100, dimming using constant current reduction, to achieve flicker free dimming down to zero.

## Features

- 0/1-10 V dimming control
- Dims LEDs to minimum tell-tale light output
- Smooth flicker-free dimming
- Operates 12V and 24V constant voltage LEDs.
- Maximum rating 10A
- Maximum cable run 20M
- High reliability (200,000 Hours MTBF)
- Class 2 product (necessitates Class 2 power supply to applicable national standards).



## Technical information

### Mechanical

DIN-rail mounted unit supplied with 3 standalone brackets.

### Supply input voltage (12V and 24V)

12V and 24V  $\pm$  10% DC.

Requires power supply to applicable national standards.

### Maximum output current

10A.

NB. lamps and strips are cabled in parallel.

Requires suitable rated power supply.

### Control input

0/1-10V signal.

DALI and DMX interfaces available.

### Environment / humidity

Maximum 90% rh non-condensing

### Ambient temperature range

-10°C – 60°C

### Terminals

High quality rising clamp, allows easy connection, accepts stranded cable up to 4mm<sup>2</sup>

### Physical data

**Weight:** 270g

**Finish:** Plastic

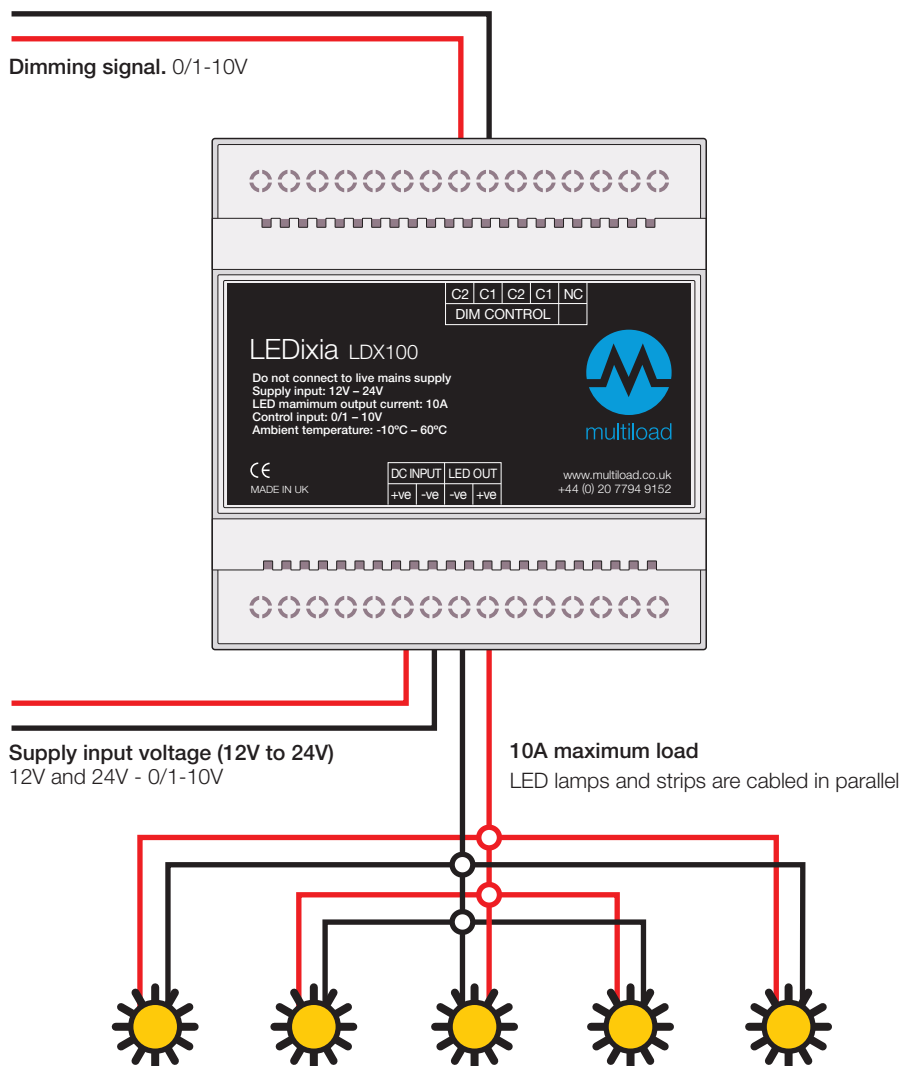
**Dimensions:** W:88mm D:90mm H:58mm



## Installation

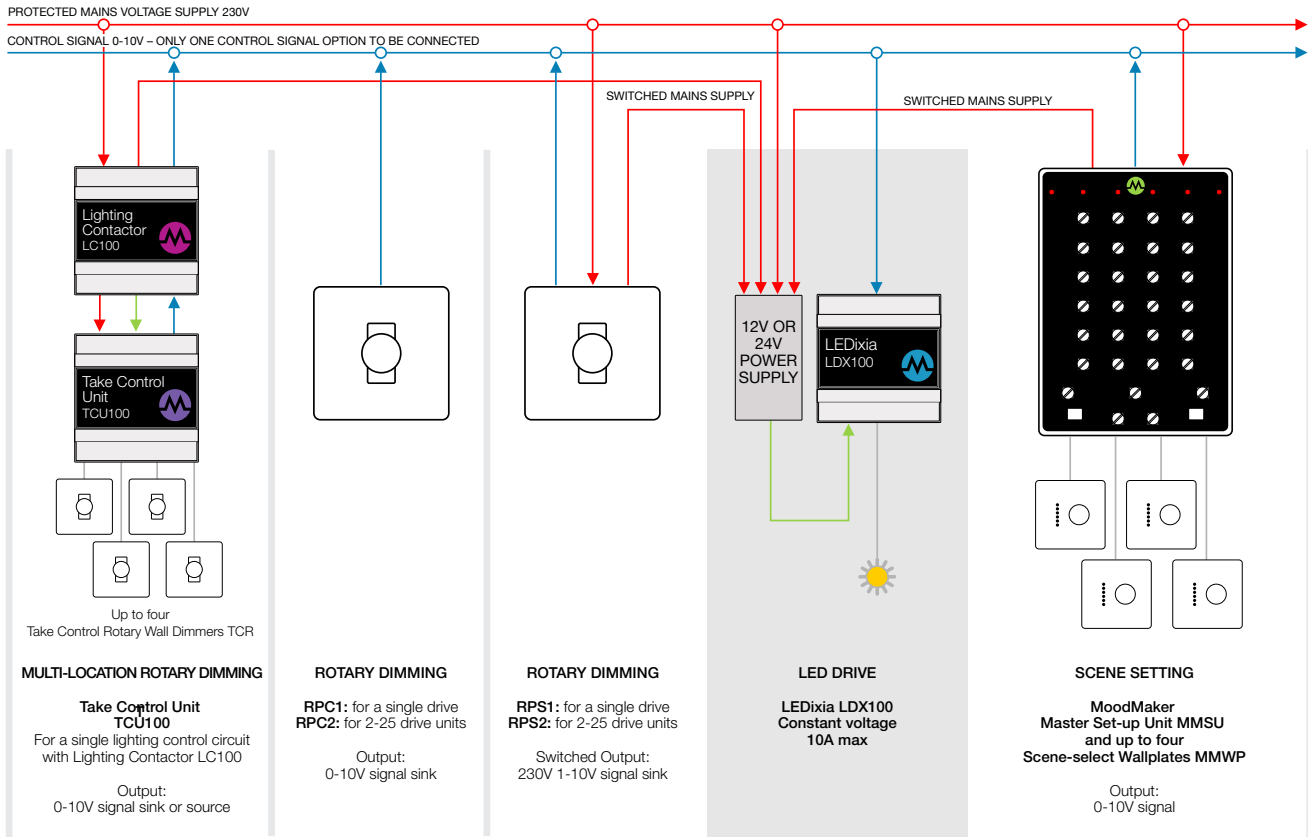
- Installation should be carried out by suitably qualified personnel in accordance with good wiring practice and the appropriate national wiring regulations.
- Remote positioning eliminates the need to locate drivers in the ceiling or run mains and dimming signal wiring (max 20m).
- LEDixia LRX100 is SELV compatible. If SELV status is required for the installation the power supply and the dimming signal must also be SELV compatible (please check with controls manufacturer to ensure the dimming signal is also SELV).

### Parallel connection and maximum current

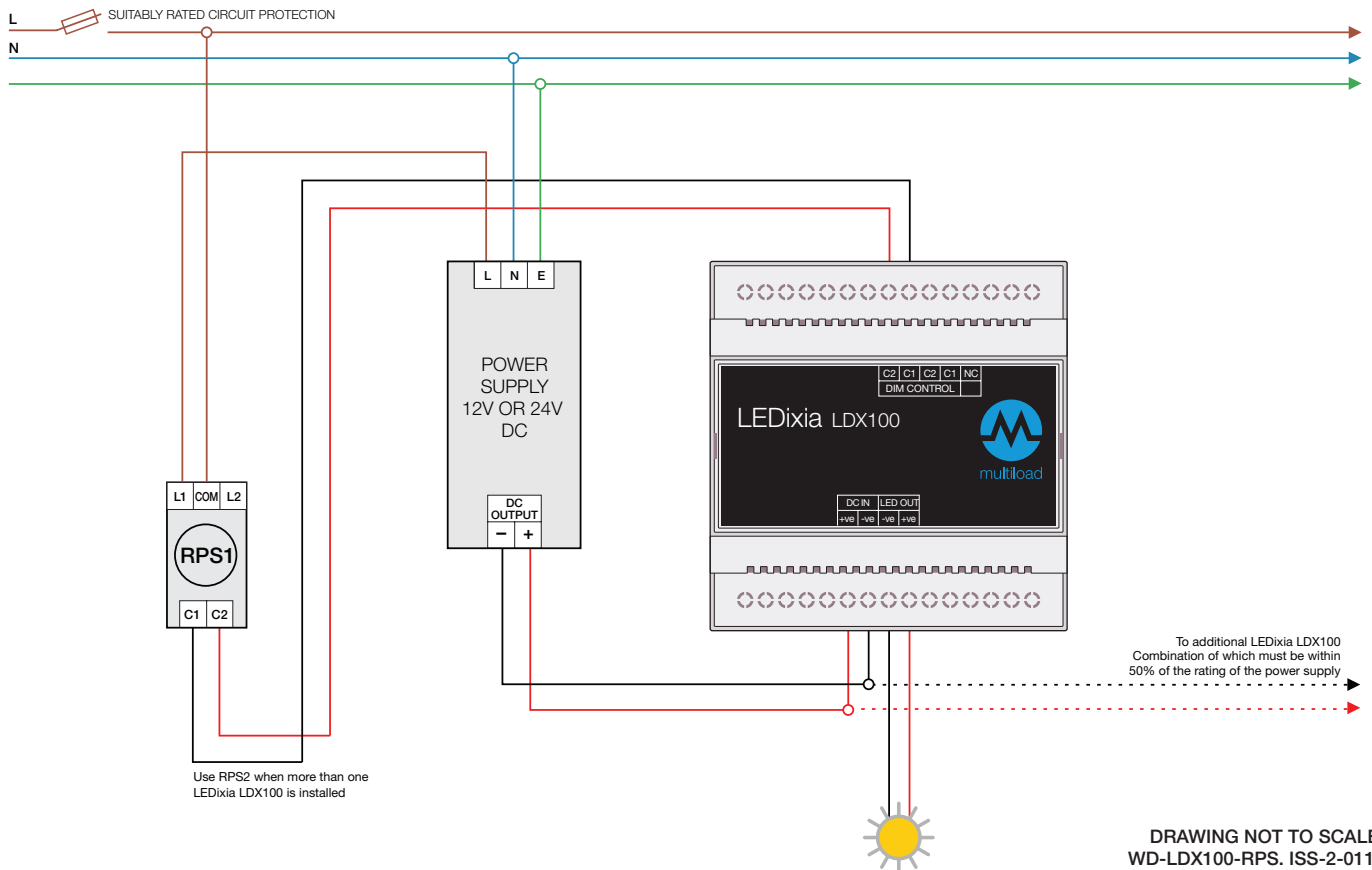




# LEDixia LDX100 with Multiload product options

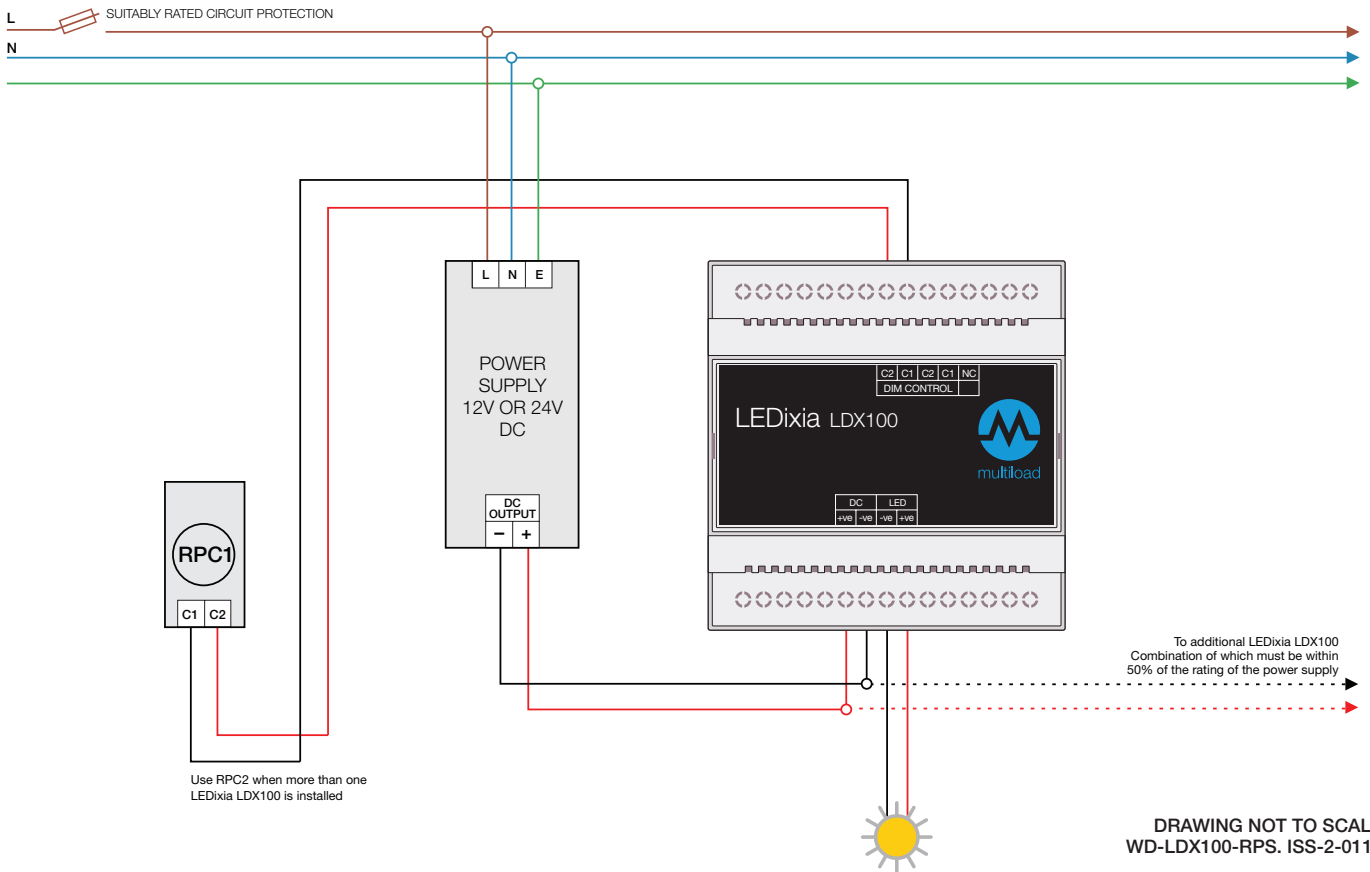


## LEDixia LDX100 wired to Rotary Push-switch Wall Dimmer RPS

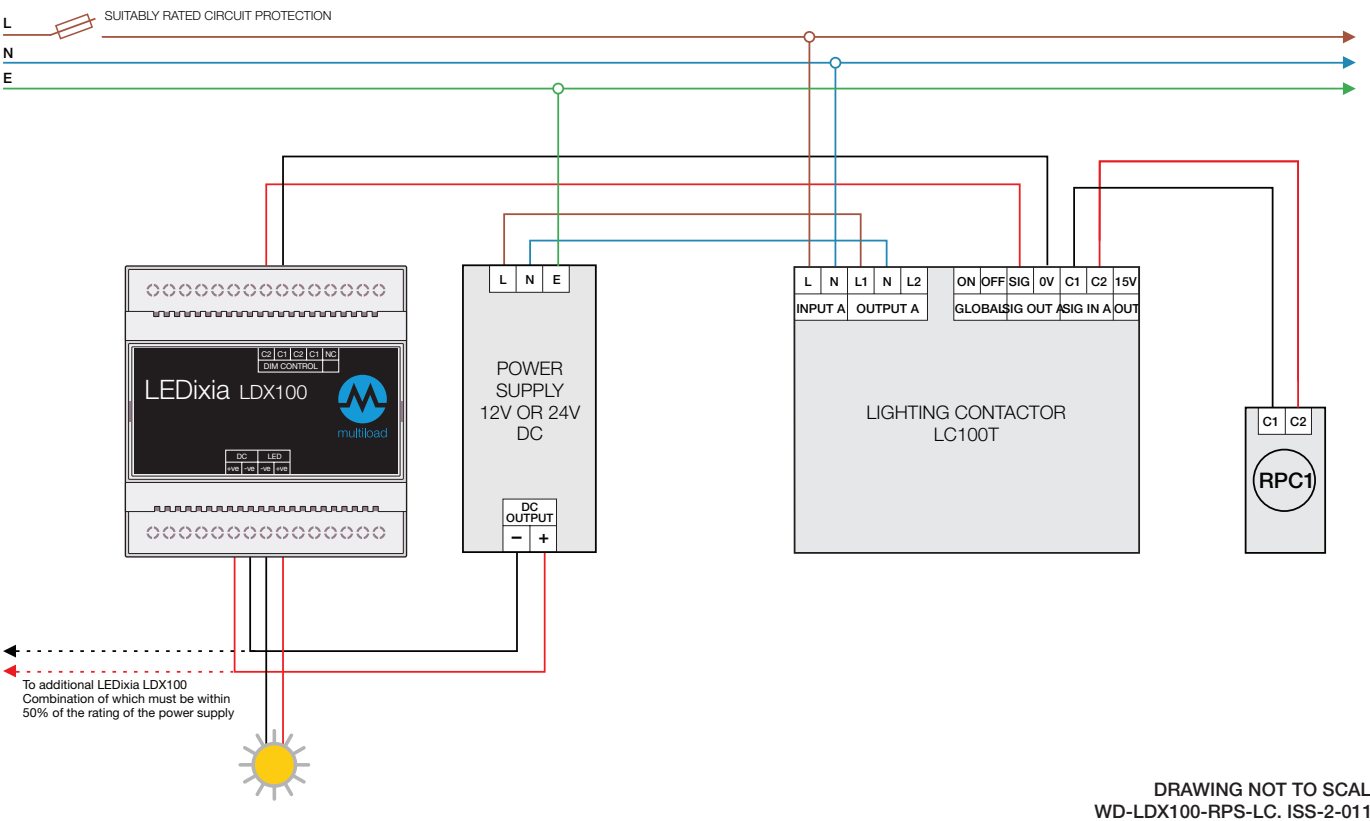




# LEDixia LDX100 wired to Rotary Push-control Wall Dimmer RPC

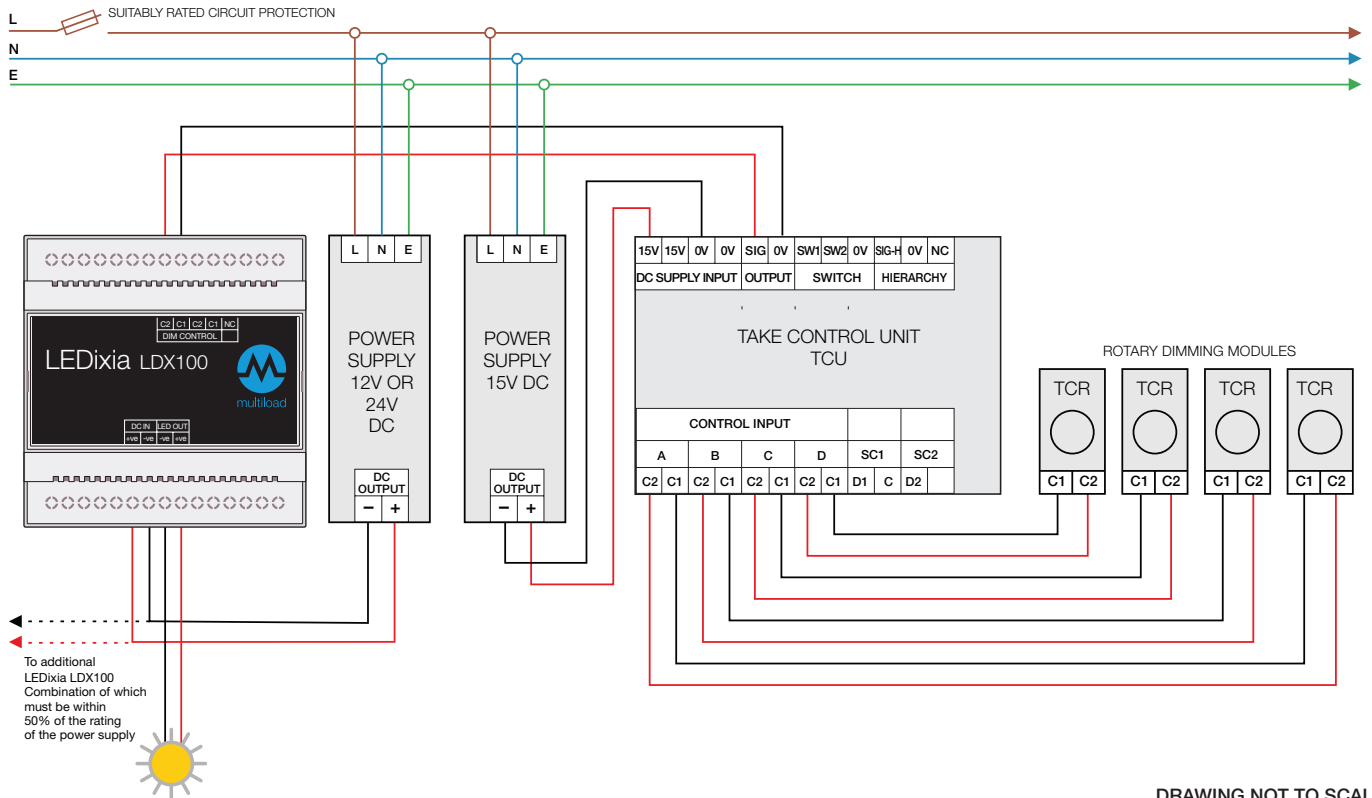


# LEDixia LDX100 wired to Rotary Push-control Wall Dimmer RPC and Lighting Contactor LC100T



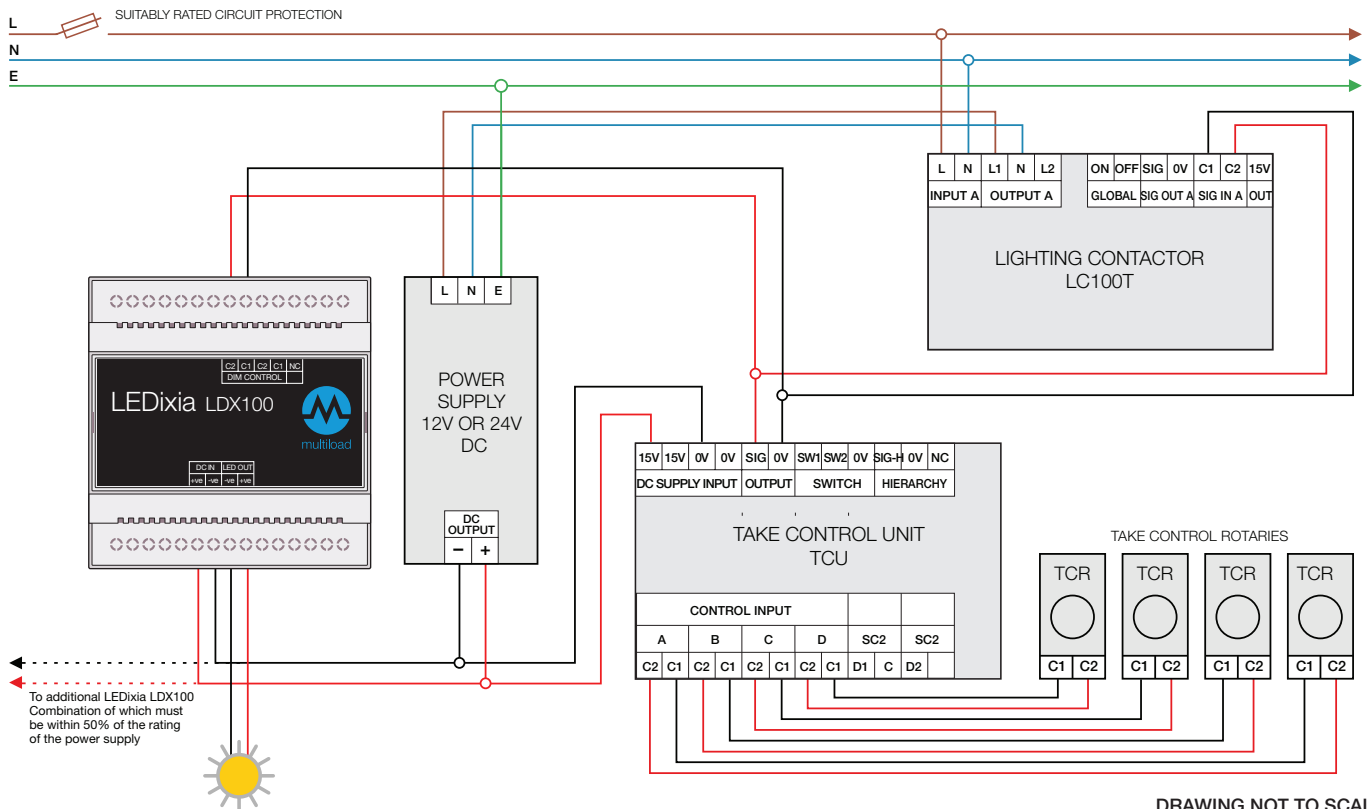


## LEDixia LDX100 wired to Take Control Unit TCU



DRAWING NOT TO SCALE  
WD-LDX100-TCU. ISS-2-0117

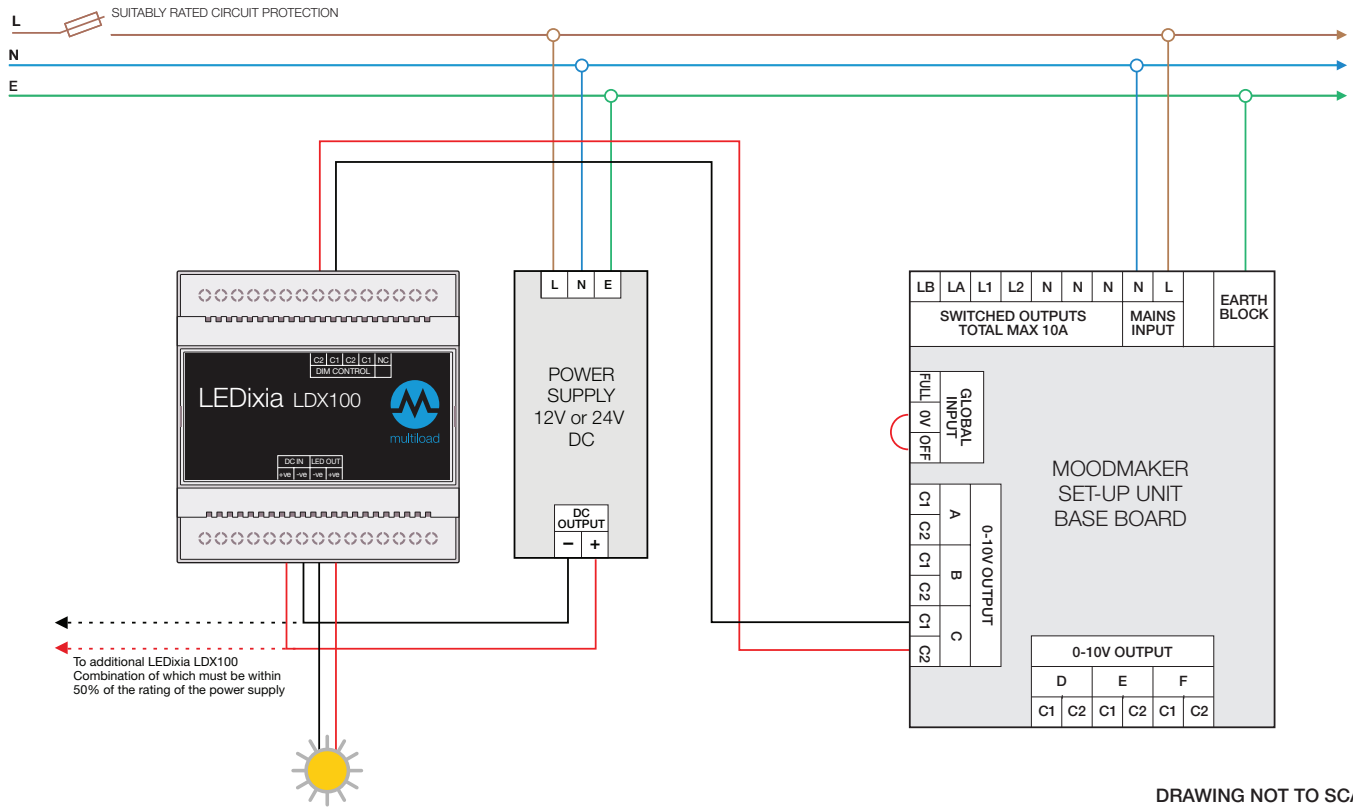
## LEDixia LDX100 wired to Take Control Unit and Lighting Contactor LC100



DRAWING NOT TO SCALE  
WD-LDX100-TCU-LC. ISS-2-0117



# LEDixia LDX100 wired to MoodMaker Set-up Unit MMSU



DRAWING NOT TO SCALE  
WD-LDX100-MMSU. ISS-2-0117