

# POWERED BULB DIMMER DUAL POLARITY

SPI Dimmer For 2 Polarity 31-33V LEDs/LED Strings

## Applications

- General illumination
- Decoration illumination
- Events, lounges, clubs
- Scenography
- Theatre
- Light show
- Special effects
- Showcase



## Technical specification

Controls over	<b>SPI</b>
Operating voltage	<b>85-264 VAC 50/60Hz</b>
Rated power	<b>144W</b>
Self power consumption	<b>6W</b>
Maximum power consumption	<b>170W</b>
Power In/Out connector	<b>PowerCON connector 230V/20A</b>
SPI in port connector type	<b>RJ-45</b>
SPI in port type	<b>Differential 800kHz SPI (WS2811, WS2812B, SK6812, TM1809....)</b>
SPI in port protection	<b>Yes, ESD</b>
SPI out port connector type	<b>RJ-45</b>
SPI out port type	<b>Differential 800kHz SPI (WS2811, WS2812B, SK6812, TM1809....)</b>
SPI out port protection	<b>Yes, ESD</b>
Output Channels total	<b>64</b>
OUTPUT port (connectors) count	<b>64</b>
Channels per output (connector)	<b>1</b>
OUTPUT port connector type	<b>2 pole pluggable terminal block pitch 3,5mm for wire 0,5...1,5mm<sup>2</sup></b>
OUTPUT port electrical type	<b>Dual polarity PWM</b>
OUTPUT port contain power	<b>33V, max 0,1A/port, max 4A total</b>
OUTPUT port Balanced power	<b>62mA / Channel</b>
Output connector pins	<b>A,B</b>
Status LEDs on RJ45 connetors	<b>Green: Power, Yellow: SPI status</b>
LED output dimming type	<b>PWM</b>
Grayscale	<b>8bit (256 levels)</b>
PWM Frequency	<b>&gt;1000Hz</b>

Maximum controller count	<b>16</b>
DATA I/O max. cable length	<b>100m with Cat5e or better</b>
Works with controller	<b>Any WS2811 controller with differential SPI output. E.g. SPI MATRIX, LEC3</b>
Operating air temperature	<b>-10°C to 45°C</b>
Storage air temperature	<b>-30°C to 60°C</b>
Relative humidity	<b>5% to 80% non-condensing</b>
Waterproof	<b>No</b>
Ingress protection	<b>30</b>
Weight	<b>1290g</b>
Dimensions	<b>243,5 x 93 x 105 mm</b>
Enclosure	<b>Aluminium</b>
Mouting options	<b>Side tabs with holes for screws, cable ties, clamps, safety wire</b>

### Default package content

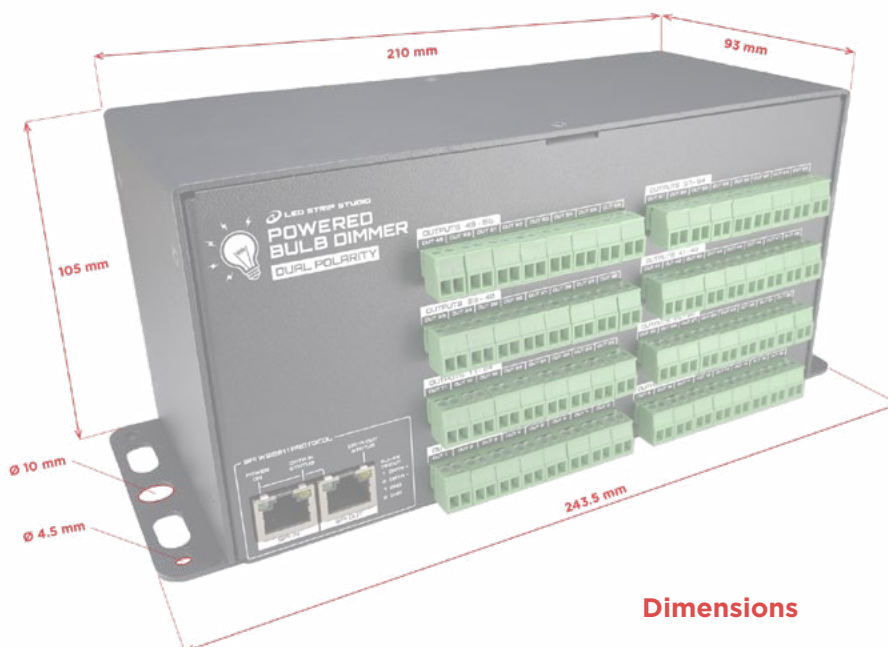
- POWERED BULB DIMMER
- 64pcs 2 pole terminal block plug pitch 3,5mm
- PowerCon power cable with plug based on destination country



Front View



Rear View



Dimensions