

POWERED BULB DIMMER

SPI dimmer for LED lights

Applications

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



Technical specification

Controls over	SPI
Operating voltage	85-264 VAC 50/60Hz
Rated power	148W
Self power consumption	2W
Maximum power consumption	170W
Power In/Out connector	PowerCON connector 230V/20A
SPI in port connector type	RJ-45
SPI in port type	Differential 800kHz SPI (WS2811, WS2812B, SK6812, TM1809....)
SPI in port protection	Yes, ESD
SPI out port connector type	RJ-45
SPI out port type	Differential 800kHz SPI (WS2811, WS2812B, SK6812, TM1809....)
SPI out port protection	Yes, ESD
Output Channels total	64
OUTPUT port (connectors) count	64
OUTPUT port connector type	2 pole pluggable terminal block pitch 3,5mm for wire 0,5...1,5mm2
OUTPUT port electrical type	Open Drain, Max 500mA / Channel, 12V version Max 12, 2A Total / 24V version Max 6, 1A Total
OUTPUT port balanced power	12V version 190mA/Channel / 24V version 95mA/Channel
OUTPUT port protection	Yes, self resettable fuse
Status LEDs on RJ45 connectors	Green: Power, Yellow: SPI status
LED output dimming type	PWM
Grayscale	8bit (256 levels)
PWM Frequency	2kHz
Maximum controller count	48
DATA I/O max. cable length	100m with Cat5e or better

Works with controller	Any WS2811 controller with differential SPI output. e.g. SPI MATRIX, LEC3
Operating air temperature	-10°C to 45°C
Storage air temperature	-30°C to 60°C
Relative humidity	5% to 80% non-condensing
Waterproof	No
Ingress protection	30
Weight	1290g
Dimensions	243,5 x 93 x 105 mm
Enclosure	Aluminium
Mouting options	Side tabs with holes for screws, cable ties, clamps, safety wire

Default package content

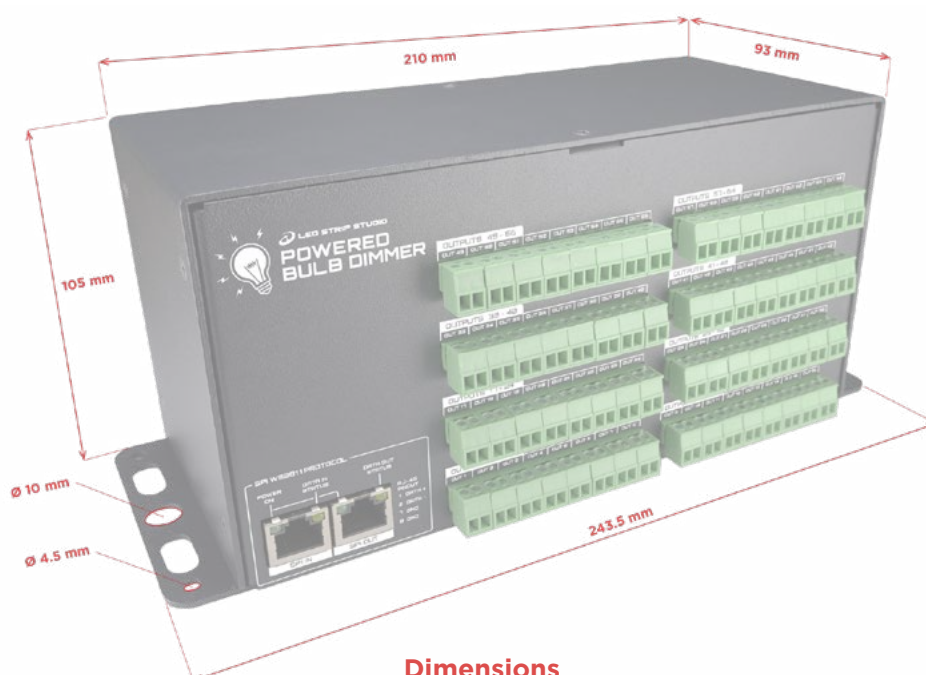
- POWERED BULB DIMMER
- 64pcs 2 pole terminal block plug pitch 3,5mm
- PowerCon power cable with plug based on destination country



Front View



Rear View



Dimensions