PHASE CUT DIMMER

100W / 200W

Model No. JUPDN



KEY FEATURES

- Constant Voltage
- Dimming up to 1%
- Trailing & Leading Edge
- SMPS Required

DESCRIPTION

A phase-cut dimmer is utilized for dimming an LED strip by connecting it to an SMPS (Switched-Mode Power Supply). This application is specifically suited for constant voltage.

Phase-cut dimming provides smooth and continuous dimming of LED lights. By reducing the power supplied to the LEDs, phase-cut dimming can lead to energy savings and prolonged LED lifespan. Many existing lighting systems use phase-cut dimming, making it easy to integrate LED strips into these setups.

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MODEL NO. & WATTAGE

Model No.: JUPDN

Wattage: 100W & 200W

DIMENSION & WEIGHT

Parameter	Value
Length	50 mm
Breadth	41 mm
Height	26 mm
Connector	No
Prewired	Yes
Weight (100W)	40 g
Weight (200W)	47 g

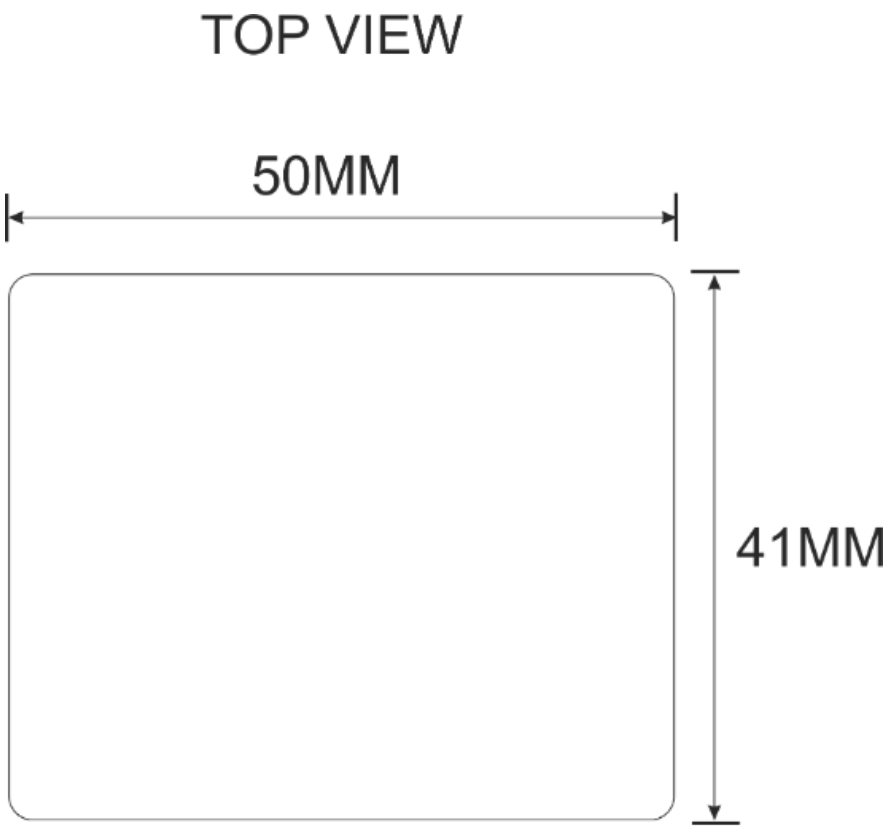
TECHNICAL PARAMETERS

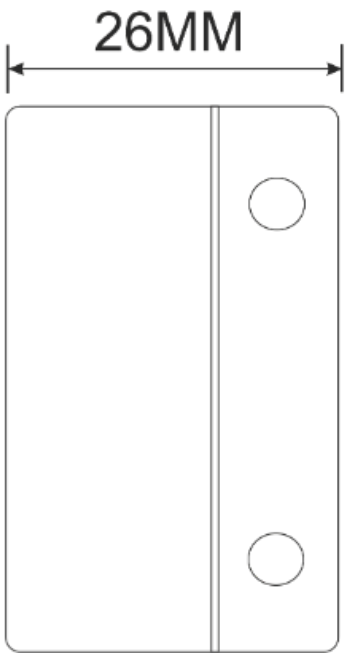
Parameter	Value
AC In Voltage	220V–240V AC
AC Out Voltage	220V–240V AC
DC In Voltage	12Vdc / 24Vdc
DC Out Voltage	12Vdc / 24Vdc
O/P Voltage Type	Constant Voltage
O/P Wattage	100W / 200W

PHASE CUT DIMMER

100W / 200W

MECHANICAL DIMENSION DRAWING





PHASE CUT DIMMER

100W / 200W

DIMMING

Parameter	Value
Dimming Method	Phase Cut
Leading Edge	Yes
Trailing Edge	Yes
Dimming Profile	Linear
Dimming Range	1–100%
Class	II
Suitable for Emergency Lighting	No

REFERENCE

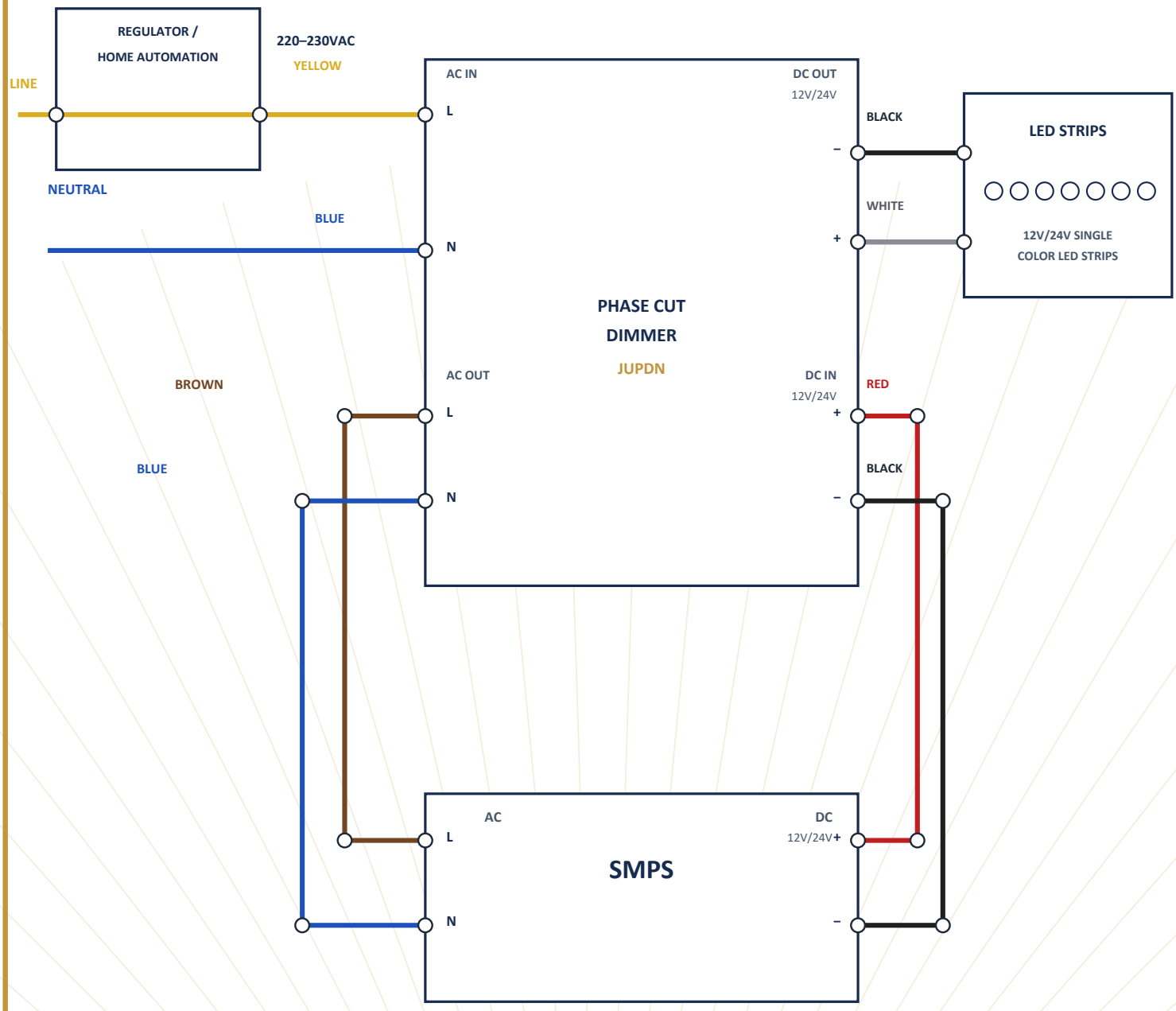
Model No.: JUPDN

Product Page: https://jskurja.com/phase-cut-dimmer/

Connection Diagram:
https://jskurja.com/wp-content/uploads/2023/08/PHASE-CUT-DIMMER-CONNECTION-DIAGRAM.pdf

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JSK URJA PHASE CUT DIMMABLE DIMMER
CONNECTION DIAGRAM



Source wiring preserved. Yellow line passes through the regulator. Blue neutral is direct. AC OUT feeds the SMPS.