

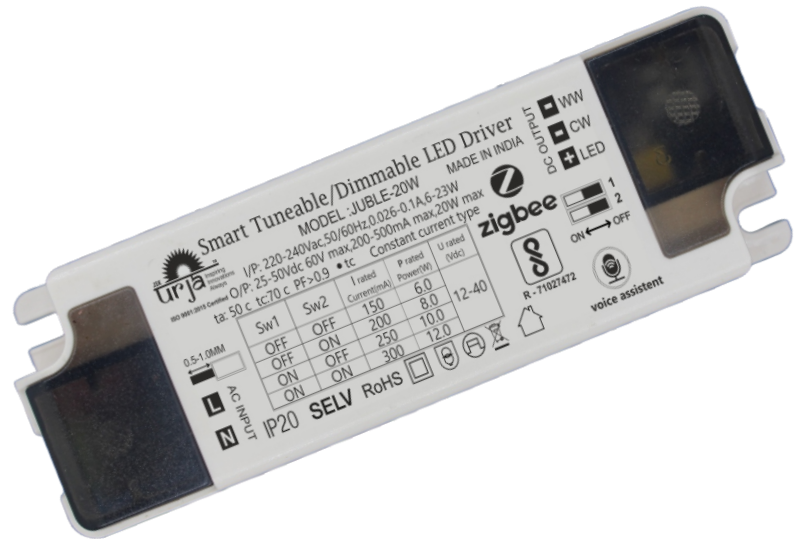
JUZBE20N-6-20W

Zigbee Mesh | Constant Current | Smart Lighting Control

MODEL NO.40V/500MA

PRODUCT FEATURES

- ZIGBEE-enabled Constant Current LED Driver
- Dimming Range: 1 – 100%
- Wireless App Control via Smart Life / Tuya
- High PF/Low THD
- Flicker free
- Custom Output Current Options
- IP-20
- Voice Assistant Compatible (via Gateway)



APPLICATIONS

Suitable for Indoor use: COB light, panel light, down light, Smart Indoor Lighting etc.

DESCRIPTIONS

JSK URJA Zigbee-20W LED Driver is an advanced Zigbee-based constant current driver, engineered for smart and efficient lighting control. Designed to integrate seamlessly with modern home automation ecosystems, this driver allows wireless dimming, grouping, and scheduling through popular Zigbee-compatible apps and hubs -eliminating the need for physical dimmer switches. Built for energy efficiency, smooth dimming, and flicker-free performance, this compact yet powerful driver is ideal for use in downlights, spotlights, panel lights, and COB LEDs. It supports multiple output current configurations and offers a full 0–100% dimming range. With protection features such as over-voltage, over-current, and thermal cut-off, and compatibility with voice assistants like Alexa and Google Assistant (via Zigbee hub), it brings convenience, safety, and intelligence to any smart lighting installation.

TECHNICAL PARAMETERS

Electrical data

Model	JUZBE20N-6-20W
Input voltage	160-240Vac
Input wattage	6W-22W
Output voltage (No load)	52Vdc Max
Output wattage	6W-20W
Frequency	50-60Hz
Power factor	>0.9
THD	<10%
Efficiency	>80%
Inrush current	< 6A
Output current type	DC
Output current tolerance	10%
Galvanic isolation	SELV
Max.ECG no.on circuit breaker 10A	30
Max.ECG no.on circuit breaker 16A	45
Max.ECG no.on circuit breaker 25A	70
Adjustable Current set	150mA, 200mA, 250mA, 300mA.....500mA
Surge capability (L/N-Ground)	0.5 KV
Surge capability (L-N)	1 KV
U-out (working voltage)	28.....42 V
Output ripple current (100Hz)	3%
Device power loss	2 W

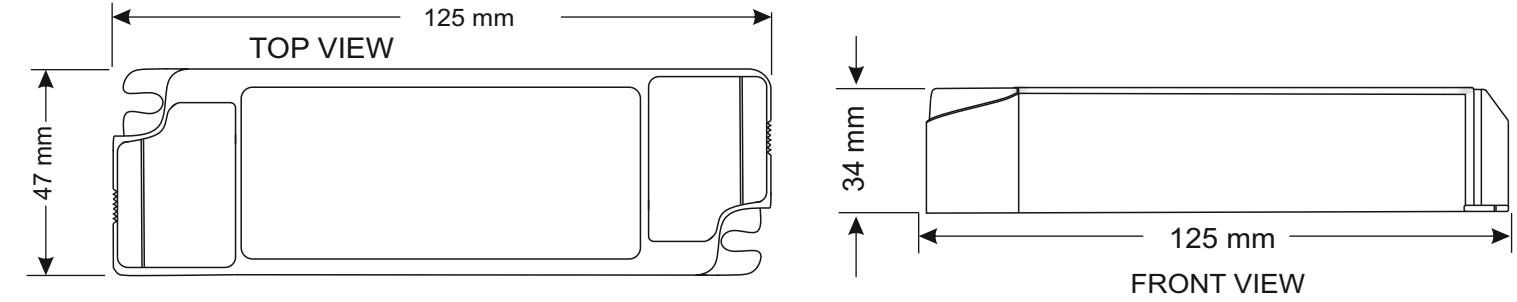
Dimming & Protection

Dimming method	ZIGBEE (3.0)
Dimming range	1-100%
Surge protection	up to 6KV
Over voltage protection	Yes
Over current proection	Yes
Short circuit protection	Yes
Class II	Yes
Suitable for emergency light	No
Isolated	Yes

Temperature & Material

Ambient temperature	50°C
Case temperature	75°C
Enclosure material	Plastic (FR rated), PC
Enclosure color	MILKY- White,
Max.housing temperature in case fault	< 85°C

Dimensions & Weight



Length (l)	125mm
Breadth (b)	47mm
Height (h)	34mm
Weight	90 Grms
Max.cable length to lamp/Led modual	2.0 MM
Cable cross_section,input side	0.75.....1.5mm
Cable cross_section,output side	0.75.....1.5mm
Prewired	No
Types of connection,output side	Push terminal

Standards & Certificates

Standards	IEC61347-1, IEC 61347 2-13, IEC 62384, CISPR 15, IEC 61000 3-2, IEC 61000 3-3, IEC 61547
Certificates	BIS (R-71027472)
Protection class	II
Type of protection	IP 20