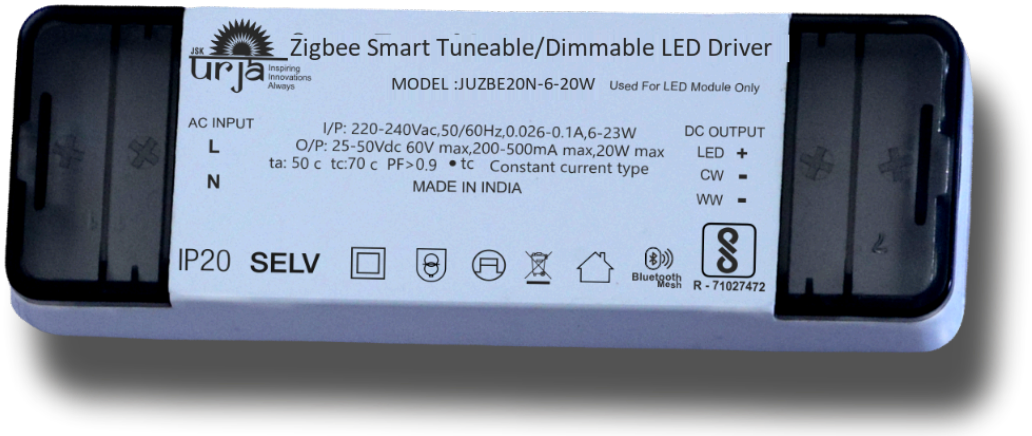
ZIGBEE SMART TUNEABLE / DIMMABLE LED DRIVER

PRODUCT DATASHEET | JUZBE20N-6-20W



KEY 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.

DESCRIPTION

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.

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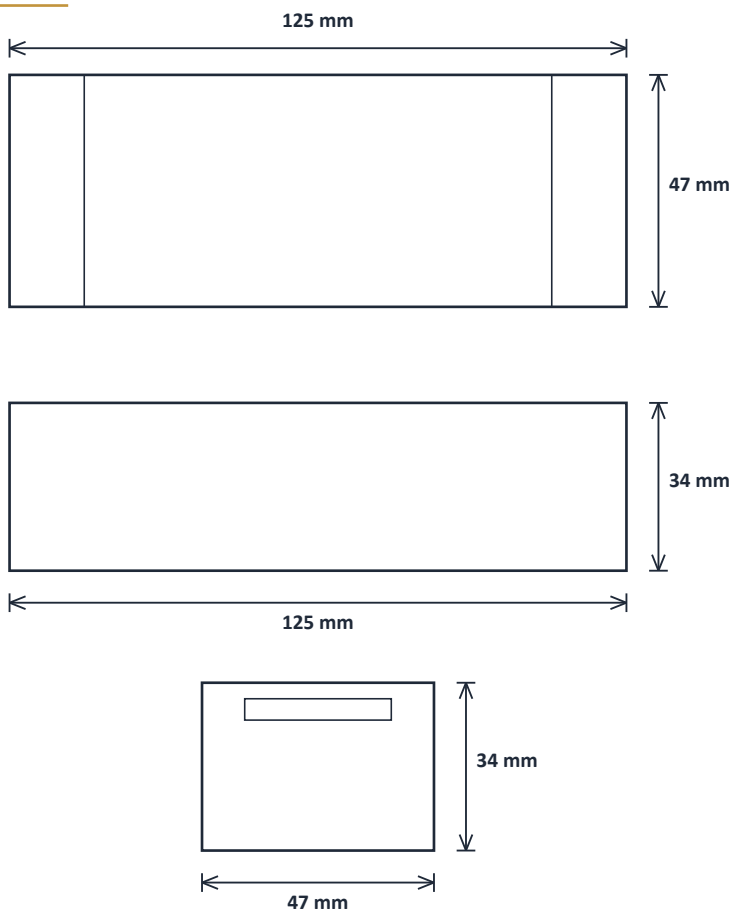
MODEL NO. & WATTAGE

Model No.: JUZBE20N-6-20W
Output Rating: 40V / 500mA
Output Wattage: 6W to 20W

DIMENSIONS & WEIGHT

Parameter	Value
Length	125 mm
Breadth	47 mm
Height	34 mm
Weight	90 g
Max. Cable Length to Lamp/LED Module	2.0 mm
Cable Cross-section, Input Side	0.75…1.5 mm
Cable Cross-section, Output Side	0.75…1.5 mm
Prewired	No
Type of Connection, Output Side	Push Terminal

MECHANICAL DIMENSION DRAWING



ZIGBEE SMART TUNEABLE / DIMMABLE LED DRIVER

TECHNICAL PARAMETERS

Parameter	Value
Input Voltage	160V–240V AC
Input Wattage	6W–22W
Output Wattage	6W–20W
Frequency	50–60 Hz
Power Factor (full load)	>0.9
THD (full load)	<10%
Efficiency (full load)	>80%
Inrush Current	<6A
O/P Current Type	DC
O/P Current Tolerance	10%
Galvanic Isolation	SELV
Output Voltage (No Load)	52Vdc Max
Adjustable Current Set	150mA, 200mA, 250mA, 300mA…500mA

ELECTRICAL DATA

Parameter	Value
Max. ECG No. on Circuit Breaker 10A	30
Max. ECG No. on Circuit Breaker 16A	45
Max. ECG No. on Circuit Breaker 25A	70
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

ZIGBEE SMART TUNEABLE / DIMMABLE LED DRIVER

DIMMING & PROTECTION

Parameter	Value
Dimming Method	ZIGBEE (3.0)
Dimming Range	1–100%
Surge Protection	Up to 6 KV
Over Voltage Protection	Yes
Over Current Protection	Yes
Short Circuit Protection	Yes
Class	II
Suitable for Emergency Lighting	No
Isolated	Yes

TEMPERATURE & MATERIAL

Parameter	Value
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

STANDARDS & CERTIFICATES

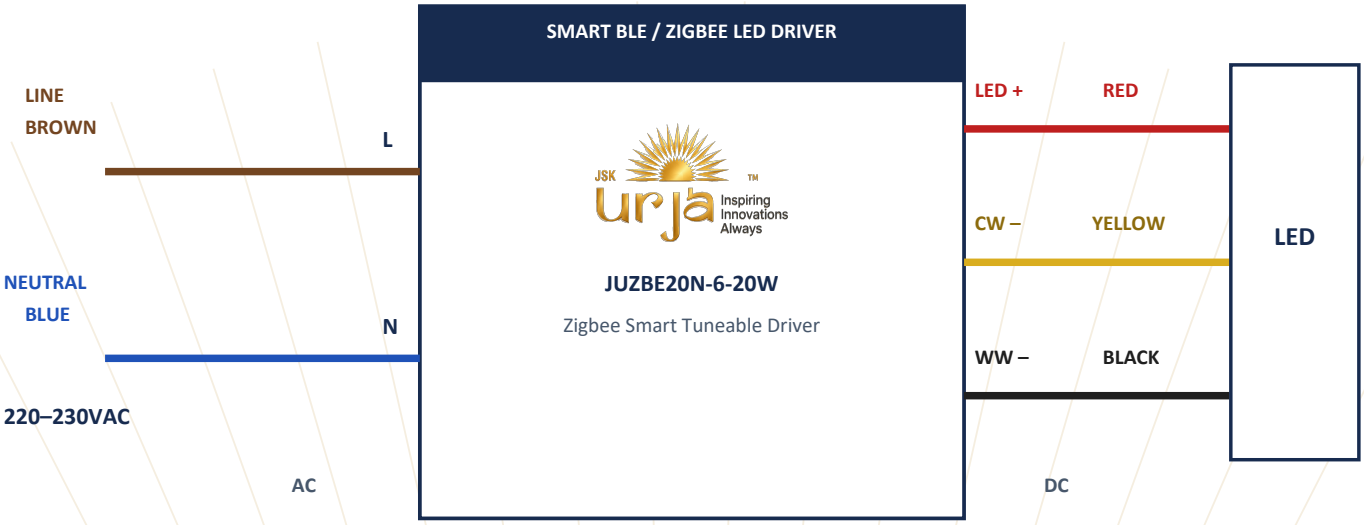
Parameter	Value
Standards	IEC61347-1, IEC 61347-2-13, IEC 62384, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547
Certificates	BIS (R-71027472)
Protection Class	II
Type of Protection	IP20

REFERENCE

Parameter	Value
Model No.	JUZBE20N-6-20W
Source Document	JSK URJA Product Datasheet — JUZBE20N-6-20W
Contact	www.jskurja.com | sales@jskurja.com | +91-9920730373

JSK URJA SMART BLE / ZIGBEE DRIVER CONNECTION DIAGRAM

SINGLE CONNECTION



Wire Input: Line – Brown, Neutral – Blue

Wire Output: LED +, CW –, WW –

Prewired: No Type of Connection, Output Side: Push Terminal

Single connection shown. Supply 220–230VAC as on the Smart Series connection diagram.

Source wiring preserved