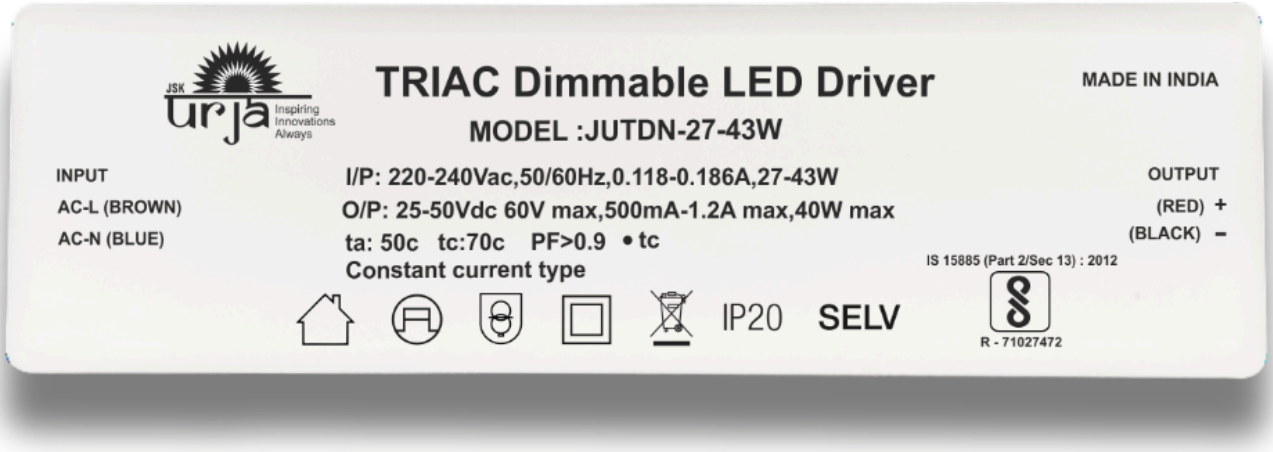
PHASE CUT / TRIAC DIMMABLE LED DRIVER

PRODUCT DATASHEET | JUTD40N-22-40W



KEY FEATURES

- Triac / Phase-cut Dimming
- Constant Current
- Compatible with Leading/Trailing Edge
- High PF / Low THD
- Flicker Free
- Dimming Range 1–100%
- IP-20

APPLICATIONS

Suitable for indoor use: COB light, panel light, down light, offices, shopping centers, hospitals, restaurants, hotels, etc.

DESCRIPTION

JUTD40N-22-40W is a constant current phase cut dimmable driver. Its input rated voltage ranges from 220–240Vac with auto-cut off functionality, and output rated wattage is up to 40W with customized current from 500mA to 1A.

The driver is compatible with trailing as well as leading edge home automation systems. Dimming range is from 1% to 100% with a linear dimming effect, and it includes protections such as over voltage protection, over current protection, and surge protection.

PHASE CUT / TRIAC DIMMABLE LED DRIVER

MODEL NO. & WATTAGE

Model No.: JUTD40N-22-40W
Output Wattage: 22W to 40W

DIMENSION & WEIGHT

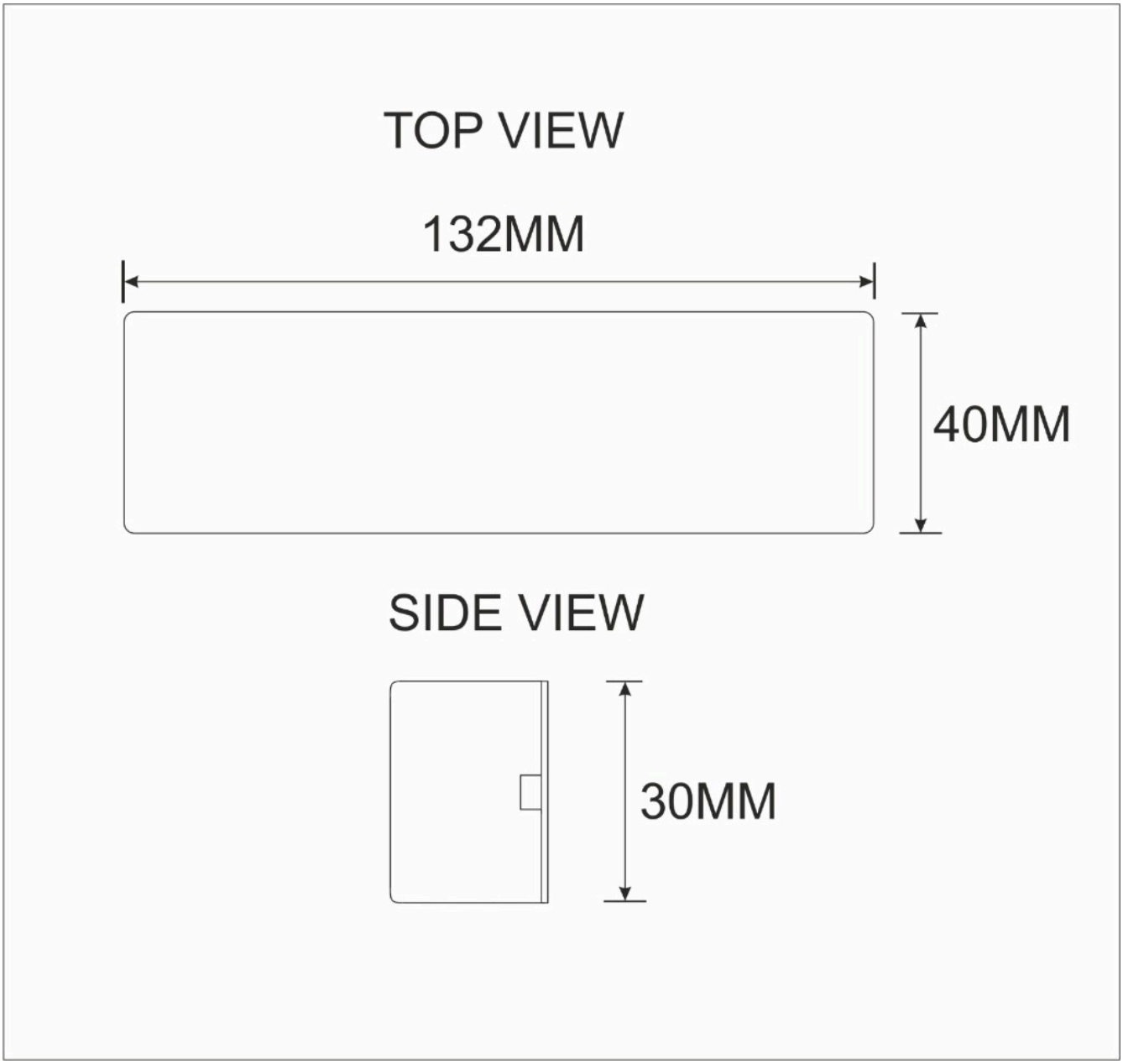
Parameter	Value
Length	132 mm
Breadth	40 mm
Height	30 mm
Connector	No
Weight	68 g
Wire Input	Line – Brown, Neutral – Blue
Wire Output	+Vdc – Red, –Vdc – Black

TECHNICAL PARAMETERS

Parameter	Value
Input Voltage	220V–240V AC
Input Wattage	45W–48W
Output Wattage	22W–40W
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)	48Vdc Max

PHASE CUT / TRIAC DIMMABLE LED DRIVER

MECHANICAL DIMENSION DRAWING



PHASE CUT / TRIAC DIMMABLE LED DRIVER

DIMMING & PROTECTION

Parameter	Value
Dimming Method	Phase Cut / Triac
Leading Edge	Yes
Trailing Edge	Yes
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

ELECTRICAL DATA

Parameter	Value
Max. ECG No. on Circuit Breaker 10A	50
Max. ECG No. on Circuit Breaker 16A	80
Max. ECG No. on Circuit Breaker 25A	137
Surge Capability (L/N–Ground)	0.5 KV
Surge Capability (L–N)	1 KV
U-out (Working Voltage)	36–60 V
Output Ripple Current (100Hz)	3%
Device Power Loss	6 W

PHASE CUT / TRIAC DIMMABLE LED DRIVER

TEMPERATURE & MATERIAL

Parameter	Value
Ambient Temperature	60°C
Case Temperature	80°C
Enclosure Material	Plastic
Enclosure Color	Upper - White + Green Cap

STANDARDS & CERTIFICATES

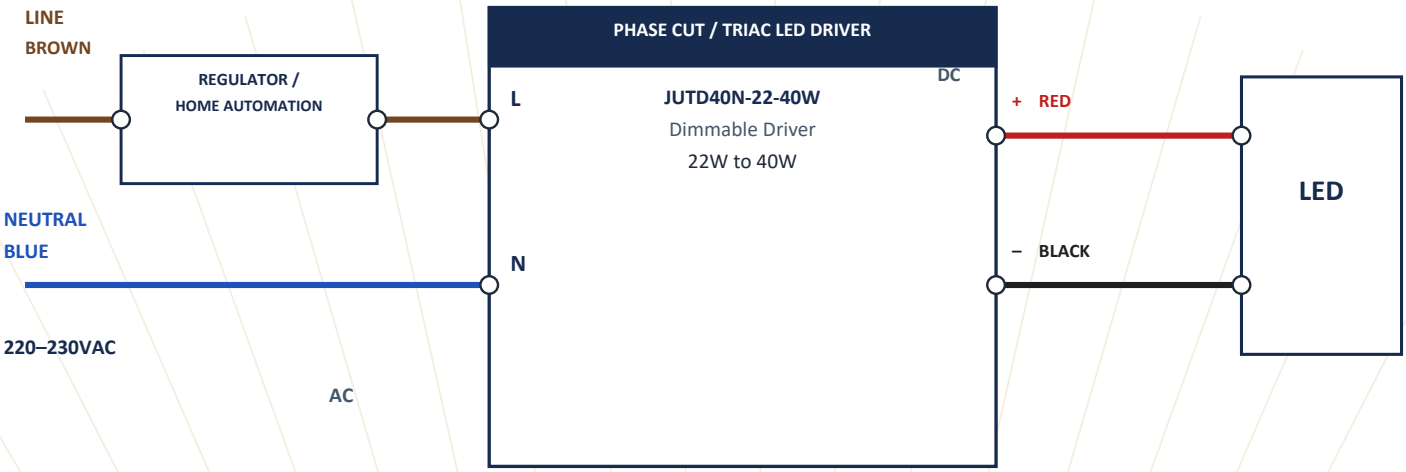
Parameter	Value
Standards	IEC61347-1, IEC 61347-2-13, IEC 62384, CISPR 15, IEC 61000-3-2, IEC 61000-3-3, IEC 61547
BIS Certification	R-71027472

REFERENCE

Parameter	Value
Model No.	JUTD40N-22-40W
Source Document	JSK URJA Product Datasheet — JUTD40N-22-40W (JU2502-P001-4)
Contact	www.jskurja.com | sales@jskurja.com | +91 9920730373

JSK URJA PHASE CUT / TRIAC DRIVER CONNECTION DIAGRAM

SINGLE CONNECTION



The line passes through the regulator or home automation, then to L.

Wire Input: Line – Brown, Neutral – Blue

Wire Output: +Vdc – Red, –Vdc – Black

Connector: No

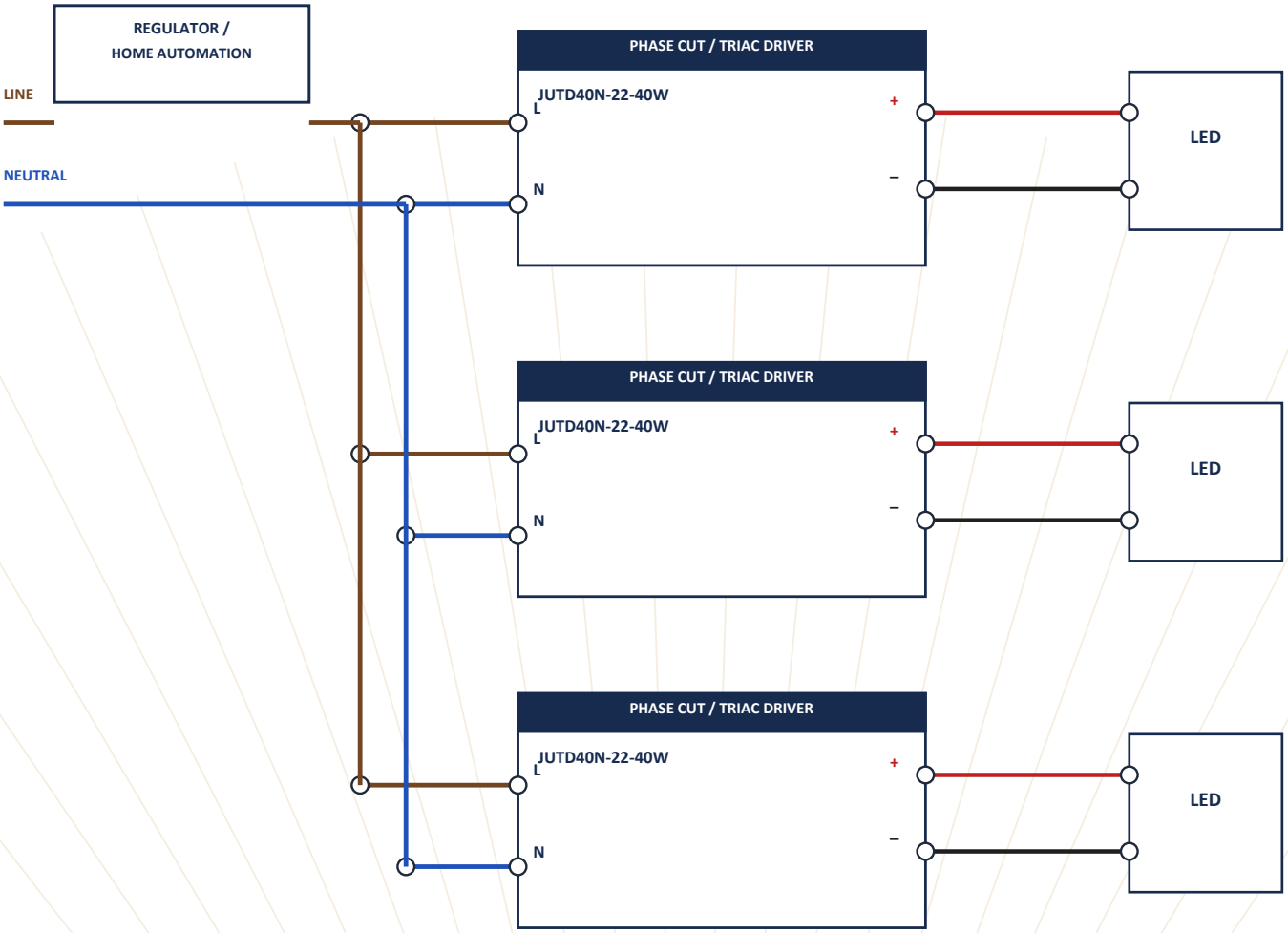
Leading edge and trailing edge, as on the phase-cut connection diagram.

Single connection. Supply 220–230VAC.

Source wiring preserved

JSK URJA PHASE CUT / TRIAC DRIVER CONNECTION DIAGRAM

LOOP CONNECTION



One regulator or home automation unit feeds the line for every driver.

Line and neutral are looped in parallel. Each driver has its own LED load.

Wire Input: Line – Brown, Neutral – Blue

Wire Output: +Vdc – Red, –Vdc – Black

Connector: No

Loop connection shown. Supply 220–230VAC as on the phase-cut connection diagram.

Source wiring preserved