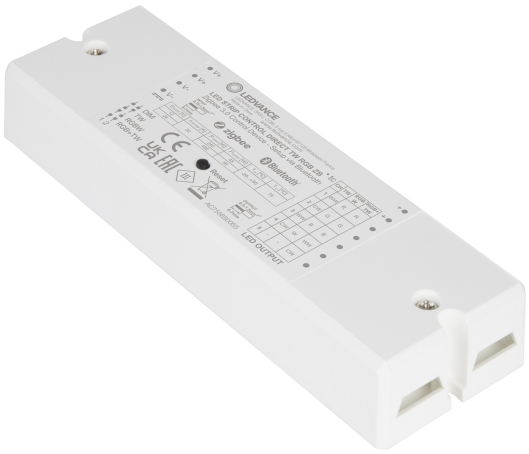
PRODUCT DATASHEET
LED STRIP CONTROL DIRECT TW RGB ZB

LED STRIP CONTROL DIRECT | Highlight spaces and create ambiance with white, tunable white, or multi-color LED strips



Areas of application

- Cove lighting
- Architecture lighting
- General illumination
- Hotels
- Offices
- Residential interiors

Product benefits

- Slim Design for easy installation in narrow places
- Control DIM, TW or RGB LED Strips wirelessly without the need for control cables
- Zigbee 3.0 certified device for integration to any 3rd party Zigbee Control System
- Mix RGB and TW independently on one single control unit
- Integrate LED strips into each project
- Compatible with LEDVANCE VIVARES ZIGBEE and DIRECT EASY light management system

Product features

- Zigbee 3.0 certified control device for LED Strips
- 5 channels for DIM, TW or RGB and TW Control
- Overtemperature protection
- High power per channel up to 96 W possible
- Input Voltage 12...24 V
- Direct commissioning via bluetooth possible

© 2026, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

Electrical data

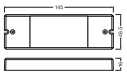
Nominal wattage	480.00 W
Nominal output power	480 W [1)]
Nominal voltage	12…24 V
Input voltage DC	12…24 V
Type of current	DC
Nominal current	20 A
Mains frequency	50/60 Hz
Maximum total harmonic distortion	< 20 %
Power factor λ	> 0.9

1) Related to 24V input

Photometrical data

Light color (designation)	RGBW

Dimensions & Weight



Length	145.00 mm
Width	47.00 mm
Height	16.00 mm
Cable cross-section, input side	0.5…1.5 mm²
Wire preparation length, input side	6…7 mm
Product weight	79.00 g

Colors & materials

Product color	White
Body material	Polycarbonate (PC)

Temperatures & operating conditions

Ambient temperature range	-20…+50 °C
Maximum temperature at tc test point	75 °C
Temperature range in operation	-20…+50 °C

© 2026, LEDVANCE GmbH. All rights reserved.

Additional product data

Number of control outputs	5
Commissioning App	DIRECT EASY / VIVARES
Added function	VIVARES

Capabilities

Dimmable	Yes
Dimming interface	Zigbee Direct / IoT
Overload protection	No

Certificates & Standards

Standards	CE / ROHS / REACH / UKCA
Protection class	III
Type of protection	IP20

LOGISTICAL DATA

Temperature range at storage	-20…+80 °C

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	LED STRIP CONTROL DIRECT TW RGB ZB
PDF	Extended installation guide	App Download Guide
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert LED STRIP CONTROL DIRECT TW RGB ZB
PDF	Declarations of conformity	LED STRIP CONTROL DIRECT TW RGB ZB
PDF	Declarations of conformity UKCA	LED STRIP CONTROL DIRECT TW RGB ZB

	Tender texts	Document name
TXT	Tender documents	LED STRIP CONTROL DIRECT TW RGB ZB-en

© 2026, LEDVANCE GmbH. All rights reserved.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854550386	Folding box 1	147 mm x 50 mm x 25 mm	119.00 g	0.18 dm^3
4099854550393	Shipping box 100	380 mm x 270 mm x 280 mm	12900.00 g	28.73 dm^3

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

References / Links

– For current information see www.ledvance.com/light-management-systems

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

© 2026, LEDVANCE GmbH. All rights reserved.