PRODUCT DATASHEET
LS VAL -500/RGB/5

LED STRIP VALUE-500 RGB | RGB LED strips with 500 lm/m for general applications



Areas of application

- Effect lighting in architecture
- Dynamic effects in public zones
- Cove lighting
- Under-cabinet lighting
- Hotels and Offices
- Residential interiors

Product benefits

- Great scope of design options due to long and flexible RGB LED strips
- Uniform color changing
- Easy installation, no tools required for connection
- Easy mounting on many smooth surfaces thanks to self-adhesive tape
- Maximum flexibility due to large range of accessories
- Simple connection thanks to integrated cables on both sides

Product features

- Flexible and splittable LED strip with inline multichip RGB LEDs
- Smallest cuttable unit: 100 mm
- Lifetime (L70/B50): up to 40,000 h at Tc max.: 75°C
- Dimmable by pulse width modulation (PWM)



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TECHNICAL DATA

Electrical data

Nominal wattage	67.00 W
Construction wattage	67.00 W
Nominal wattage per meter	14.4 W [1)]
Nominal voltage	24 V [2)]
Input voltage range	23…25 V [2)]
Reverse Voltage	27 V [2)]
Type of current	DC
Nominal current	2800.000 mA

1) Value based on first meter of the product

2) V_{DC}

Photometrical data

Luminous efficacy	37.2 lm/W [1)]
Luminous flux	2400 lm
Luminous flux per meter	535 lm [1)]
Luminous flux per module chain	2400 lm
Luminous flux per meter - Red	106 lm/m [1)]
Luminous flux per meter - Green	325 lm/m [1)]
Luminous flux per meter - Blue	73 lm/m [1)]
Luminous flux per meter - RGB	535 lm/m [1)]
Light color LED	RGB
Light color (designation)	RGB

1) Value based on first meter of the product

Light technical data

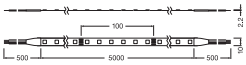
Beam angle	120 °
Rated beam angle (half peak value)	120.00 °

LED MODULE INFORMATION

Number of LEDs per meter	60
Number of LEDs per module	300
Number of LEDs per smallest unit	6

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Dimensions & Weight



Length	5000.00 mm
Length – smallest unit	100 mm
Cable length	500.000
Width	10.00 mm
Height	2.20 mm
Prewired	Yes
Conductor cross section	0.5 mm²
LED pitch	16.7 mm
Short pitch	No
Product weight	110.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C [1)]
Maximum temperature at tc test point	75 °C [2)]

1) Providing that temperature at Tc point is below max value during operation

2) Exceeding the maximum specified ratings can reduce expected life time or destroy the LED strip

Lifespan

Nominal lamp life time	40000 h

Capabilities

Dimmable	Yes [1)]
Lowest bending radius	30 mm
Self-adhesive	Yes

1) Dimmable with suitable drivers, see also www.ledvance.com/dim

Certificates & Standards

Approval marks – approval	RoHS / CE / REACH
Protection class	III
Type of protection	IP00

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Salt mist resistance acc. IEC 60068-2-52	No
UV resistance acc. IEC 60068-2-5	No

LOGISTICAL DATA

Temperature range at storage	-20...+85 °C

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	User instruction
	IES file (IES)
	IES files (IES, additional)
	IES files (IES, additional)
	IES files (IES, additional)
	IES files (IES, additional)
	IES files (IES, additional)
	IES files (IES, additional)
	IES files (IES, additional)
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	DOWNLOAD DATA
	LDT files (Eulumdat, additional)
	LDT files (Eulumdat, additional)
	LDT files (Eulumdat, additional)
PDF	Catalogs

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075404458	Shipping box 10	260 mm x 260 mm x 265 mm	3401.00 g	17.91 dm^3
4058075404465	Shipping box 40	540 mm x 280 mm x 555 mm	13604.00 g	83.92 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.

DISCLAIMER

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

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