

# PRODUCT DATASHEET

## LS VAL -500/RGB/5/IP65

LED STRIP VALUE-500 RGB PROTECTED | IP65 protected RGB LED strips with 500 lm/m for general applications



### Areas of application

- Suitable for indoor and outdoor applications (IP65)
- Facade accent lighting
- 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
- Type of protection: IP65
- Salt mist proof
- Highly UV-resistant
- Dimmable by pulse width modulation (PWM)



## TECHNICAL DATA

### Electrical data

Nominal wattage	67.00 W
Construction wattage	67.00 W
Nominal wattage per meter	14.4 W <sup>1)</sup>
Nominal voltage	24 V <sup>2)</sup>
Input voltage range	23...25 V <sup>2)</sup>
Reverse Voltage	27 V <sup>2)</sup>
Type of current	DC
Nominal current	2800 mA

1) Value based on first meter of the product

2)  $V_{DC}$

### Photometrical data

Luminous efficacy	33.7 lm/W <sup>1)</sup>
Luminous flux	2150 lm
Luminous flux per meter	485 lm <sup>1)</sup>
Luminous flux per module chain	2150 lm
Light color LED	RGB
Light color (designation)	RGB

1) Value based on first meter of the product

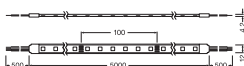
### Light technical data

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

### Dimensions & Weight



Length	5000.00 mm
Length – smallest unit	100.0 mm
Cable length	500.000
Width	12.50 mm
Height	4.20 mm
Prewired	Yes
Conductor cross section	0.5 mm <sup>2</sup>
LED pitch	16.7 mm
Short pitch	No
Product weight	250.00 g

### Colors & materials

Cover material	Silicone
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### Temperatures & operating conditions

Ambient temperature range	-20...+45 °C <sup>1)</sup>
Maximum temperature at tc test point	75 °C <sup>2)</sup>

<sup>1)</sup> Providing that temperature at Tc point is below max value during operation

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

### Lifespan

Nominal lamp life time	40000 h
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### Capabilities

Dimmable	Yes <sup>1)</sup>
Lowest bending radius	30 mm
Self-adhesive	Yes

### Certificates & Standards

Approval marks – approval	RoHS / CE / REACH
Type of protection	IP65
Salt mist resistance acc. IEC 60068-2-52	No
UV resistance acc. IEC 60068-2-5	Yes