# PRODUCT DATASHEET
# LS VAL -500/RGB/5

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



VALUE CLASS

## 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 mA |

1) Value based on first meter of the product / 4.8 W per meter for Red, 4.8 W per meter for Green, 4.8 W per meter for Blue 14.4 W per meter for Red Green Blue
2) VDC

### 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

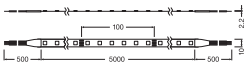
| | |
|---|---|
| Beam angle | 120 ° |
| Rated beam angle (half peak value) | 120.00 ° |

## 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 $mm^2$ |
| 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 |
| Salt mist resistance acc. IEC 60068-2-52 | No |


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| | |
|---|---|
| UV resistance acc. IEC 60068-2-5 | No |

## LOGISTICAL DATA

| | |
|---|---|
| Temperature range at storage | -20…+85 °C |

## Required Accessories and Components

| Product image | Product name | EAN |
|---|---|---|
|  | LS AY VAL -CSD/P4 | 4058075407831 |
|  | LS AY VAL -12/SMB | 4058075411708 |
|  | LS AY VAL -CSW/P4/50 | 4058075407862 |
|  | LS AY VAL -CP/P4/500 | 4058075407800 |

## Accessories Optional

| Product image | Product name | EAN |
|---|---|---|
|  | LS AY -PF04/U/17X7/12/1 | 4058075278288 |
|  | LS AY -PW02/UW/39X26/14/1 | 4058075278134 |
|  | LS AY -PM03/E/19X19/10/2 | 4058075401716 |
|  | LS AY -PM06/E/18X18/12/2 | 4058075401808 |


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| Product image | Product name | EAN |
|---|---|---|
|  | LS AY -PM02/R/18X15,5/10/2 | 4058075401686 |
|  | LS AY -PW01/U/26X8/14/1 | 4058075278103 |
|  | LS AY -PM01/UW/21,5X12/10/1 | 4058075278318 |
|  | LS AY -PM03/E/19X19/10/1 | 4058075278370 |
|  | LS AY -PF02/U/16X5/10/2 | 4058075401563 |
|  | LS AY -PF04/U/17X7/12/2 | 4058075401624 |
|  | LS AY -PM04/UW/23X15,5/10/1 | 4058075278400 |
|  | LS AY -PW03/U/26X26/14/1 | 4058075278165 |
|  | LS AY -PM06/E/18X18/12/1 | 4058075279308 |
|  | LS AY -PM04/UW/23X15,5/10/2 | 4058075401747 |
|  | LS AY -PF01/UW/22X6/10/1 | 4058075278196 |


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| Product image | Product name | EAN |
|---|---|---|
|  | LS AY -PM01/UW/21,5X12/10/2 | 4058075401655 |
|  | LS AY -PM02/R/18X15,5/10/1 | 4058075278349 |
|  | LS AY -PM05/U/17,5X14,5/10/2 | 4058075401778 |
|  | LS AY -PW01/U/26X8/14/2 | 4058075401440 |
|  | LS AY -PF01/UW/22X6/10/2 | 4058075401532 |
|  | LS AY -PW03/U/26X26/14/2 | 4058075401501 |
|  | LS AY -PF03/UW/25X7/12/2 | 4058075401594 |
|  | LS AY -PF02/U/16X5/10/1 | 4058075278226 |
|  | LS AY -PW02/UW/39X26/14/2 | 4058075401471 |
|  | LS AY -PF03/UW/25X7/12/1 | 4058075278257 |
|  | LS AY -PM05/U/17,5X14,5/10/1 | 4058075279278 |


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| Product image | Product name | EAN |
|---|---|---|
|  | LS AY -PW04/U/25.5X25.5/13/1 | 4099854681790 |
|  | LS AY -PW04/U/25.5X25.5/13/2 | 4099854681820 |

## Safety advice

– All electrical connections must be made by a qualified person.

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | LED STRIP VALUE RGB IP00 |
| PDF | Declarations of conformity | LS VAL RGB |

| | Photometric and lighting design files | Document name |
|---|---|---|
| | IES file (IES) | LS VAL-500-RGB-5-1M-RGB_IESNA2002 |
| | LDT file (Eulumdat) | LS VAL-500-RGB-5-1M-RGB |

| | Tender texts | Document name |
|---|---|---|
| | Tender documents | LED STRIP VALUE 500 RGB 500 RGB 5-EN |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075404441 | Folding box<br>1 | 242 mm x 242 mm x 26 mm | 301.00 g | 1.52 $dm^3$ |
| 4058075404458 | Shipping box<br>10 | 260 mm x 260 mm x 265 mm | 3401.00 g | 17.91 $dm^3$ |
| 4058075404465 | Shipping box<br>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.


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