

# PRODUCT DATASHEET

## LS V -500/865/5/IP66

LED STRIP V 500 P | IP66 protected LED strips with 500 lm/m for general applications



### Areas of application

- General indoor illumination
- General outdoor illumination
- Decorative illumination
- Private living areas

### Product benefits

- Great scope of design options due to long and flexible LED strips
- 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
- Suitable for use in damp conditions thanks to high type of protection

### Product features

- Flexible and cuttable LED strip
- Smallest cuttable unit: 100 mm
- Lifetime (L70/B50): up to 30,000 h at Tc max.: 75°C
- Luminous flux: 500 lm/m
- Color rendering index  $R_a$ : > 80
- Large range of color temperatures: from warm white to cool daylight
- Type of protection: IP65
- Dimmable with suitable drivers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim)
- UV resistance (acc. IEC 60068-2-5)
- Salt mist resistance (acc. IEC 60068-2-52)

TECHNICAL DATA

Electrical data

|                           |           |
|---------------------------|-----------|
| Nominal wattage           | 24.00 W   |
| Construction wattage      | 24.00 W   |
| Nominal wattage per meter | 5 W       |
| Nominal voltage           | 24 V      |
| Input voltage range       | 23...25 V |
| Type of current           | DC        |
| Nominal current           | 1000 mA   |

Photometrical data

|                                      |                        |
|--------------------------------------|------------------------|
| Luminous efficacy                    | 105 lm/W <sup>1)</sup> |
| Luminous flux                        | 2300 lm                |
| Luminous flux per meter              | 525 lm <sup>1)</sup>   |
| Color temperature                    | 6500 K                 |
| Color rendering index Ra             | > 80                   |
| Light color LED                      | Cold White             |
| Light color (designation)            | Cold White             |
| Standard deviation of color matching | ≤5 sdc <sub>m</sub>    |

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         | 70  |
| Number of LEDs per module        | 350 |
| Number of LEDs per smallest unit | 7   |

Dimensions & Weight



|                        |            |
|------------------------|------------|
| Length                 | 5000.00 mm |
| Length – smallest unit | 100 mm     |

|                         |                     |
|-------------------------|---------------------|
| Cable length            | 500.000             |
| Width                   | 10.00 mm            |
| Height                  | 4.10 mm             |
| Prewired                | Yes                 |
| Conductor cross section | 0.5 mm <sup>2</sup> |
| LED pitch               | 14.29 mm            |
| Short pitch             | No                  |
| Product weight          | 275.00 g            |

### Colors & materials

|                |          |
|----------------|----------|
| Cover material | Silicone |
|----------------|----------|

### Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+55 °C |
| Maximum temperature at tc test point | 75 °C        |

### Lifespan

|                        |         |
|------------------------|---------|
| Nominal lamp life time | 30000 h |
|------------------------|---------|

### Capabilities

|                       |                   |
|-----------------------|-------------------|
| Dimmable              | Yes <sup>1)</sup> |
| Lowest bending radius | 30,0 mm           |
| Self-adhesive         | Yes               |

<sup>1)</sup> Dimmable with suitable drivers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim)

### Certificates & Standards

|                                          |          |
|------------------------------------------|----------|
| Approval marks – approval                | CE / TUV |
| Protection class                         | III      |
| Type of protection                       | IP66     |
| Energy class of contained light source   | F        |
| Salt mist resistance acc. IEC 60068-2-52 | Yes      |
| UV resistance acc. IEC 60068-2-5         | Yes      |

### LOGISTICAL DATA

|                              |              |
|------------------------------|--------------|
| Temperature range at storage | -20...+80 °C |
|------------------------------|--------------|

### Accessories Optional

| Product image                                                                      | Product name                 | EAN           |
|------------------------------------------------------------------------------------|------------------------------|---------------|
|    | LS AY -CSD/P2/P              | 4058075727557 |
|    | LS AY -CP/P2/500/P           | 4058075727465 |
|    | LS AY -CSW/P2/50/P           | 4058075727496 |
|    | LS AY -10/SMB                | 4058075727618 |
|    | LS AY -10/SE/P SIL-SEAL      | 4058075727649 |
|  | DR DIM-PFM -60/220-240/24/P  | 4058075240018 |
|  | LS AY PFM -10/SE/P SIL-SEAL  | 4058075275744 |
|  | LS AY -PM04/UW/23X15,5/10/1  | 4058075278400 |
|  | LS AY -PM05/U/17,5X14,5/10/1 | 4058075279278 |
|  | LS AY -PM06/E/18X18/12/1     | 4058075279308 |
|  | LS AY -PW01/U/26X8/14/1      | 4058075278103 |
|  | LS AY -PW02/UW/39X26/14/1    | 4058075278134 |

| Product image                                                                       | Product name                | EAN           |
|-------------------------------------------------------------------------------------|-----------------------------|---------------|
|     | LS AY -PW03/U/26X26/14/2    | 4058075401501 |
|     | LS AY -PW01/U/26X8/14/2     | 4058075401440 |
|    | DR DIM-PFM -40/220-240/24/P | 4058075239999 |
|     | LS AY -PW02/UW/39X26/14/2   | 4058075401471 |
|     | LS AY -PW03/U/26X26/14/1    | 4058075278165 |
|  | DR-VAL -30/220-240/24       | 4058075240056 |
|  | DR-PFM -30/220-240/24/P     | 4058075239890 |
|  | DR-PFM -60/220-240/24/P     | 4058075239913 |
|  | DR-PFM -100/220-240/24/P    | 4058075239937 |
|  | DR-PFM -150/220-240/24/P    | 4058075239975 |
|  | DR-PFM -250/220-240/24/P    | 4058075240032 |
|  | DR-VAL -60/220-240/24       | 4058075240094 |

| Product image                                                                       | Product name                 | EAN           |
|-------------------------------------------------------------------------------------|------------------------------|---------------|
|    | DR DIM-PFM -250/220-240/24/P | 4058075240155 |
|    | DR DIM-PFM -40/220-240/24/P  | 4058075379176 |
|    | DR DIM-PFM -150/220-240/24/P | 4058075240117 |
|    | DR DIM-PFM -100/220-240/24/P | 4058075240070 |
|    | DR-VAL -120/220-240/24       | 4058075240131 |
|  | DR-VAL -150/220-240/24       | 4058075240179 |
|  | DR DIM-PFM -60/220-240/24/P  | 4058075379190 |

DOWNLOAD DATA

| Documents and certificates                                                          |                                        | Document name                  |
|-------------------------------------------------------------------------------------|----------------------------------------|--------------------------------|
|  | User instruction / safety instructions |                                |
|  | Legal information                      | LS Insert LED STRIP V IP66     |
|  | Declarations of conformity             | Declaration of Conformity LS V |
| Photometric and lighting design files                                               |                                        | Document name                  |
|  | IES file (IES)                         | LS V-500-865-5-IP66            |
|  | LDT file (Eulumdat)                    | LS V-500-865-5-IP66            |
|  | Light distribution curve type polar    | LS V-500-865-5-IP66            |

| Tender texts                                                                      |                  | Document name                       |
|-----------------------------------------------------------------------------------|------------------|-------------------------------------|
|  | Tender documents | LED STRIP V 500 P 500 865 5 IP66-EN |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075705500 | Folding box<br>1             | 242 mm x 242 mm x 26 mm              | 426.00 g     | 1.52 dm³  |
| 4058075705517 | Shipping box<br>20           | 550 mm x 325 mm x 270 mm             | 8353.00 g    | 48.26 dm³ |

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.