

PRODUCT DATASHEET

LS V -500/840/5

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



Areas of application

- General indoor 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

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

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 | 112 lm/W ¹⁾ |
| Luminous flux | 2450 lm |
| Luminous flux per meter | 560 lm ¹⁾ |
| Color temperature | 4000 K |
| Color rendering index Ra | > 80 |
| Light color LED | Daylight |
| Light color (designation) | Daylight |
| Standard deviation of color matching | ≤5 sdc _m |

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 | 8.00 mm |
| Height | 1.50 mm |
| Prewired | Yes |
| Conductor cross section | 0.5 mm ² |
| LED pitch | 14.29 mm |
| Short pitch | No |
| Product weight | 78.00 g |

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 ¹⁾ |
| Lowest bending radius | 30,0 mm |
| Self-adhesive | Yes |

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


Certificates & Standards













| | |
|--|----------|
| Approval marks – approval | CE / TUV |
| Protection class | III |
| Type of protection | IP00 |
| Energy class of contained light source | F |
| Salt mist resistance acc. IEC 60068-2-52 | No |
| UV resistance acc. IEC 60068-2-5 | No |













LOGISTICAL DATA













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


Accessories Optional

| Product image | Product name | EAN |
|--|-------------------------|---------------|
|  | LS AY -PF02/U/16X5/10/1 | 4058075278226 |

| Product image | Product name | EAN |
|--|------------------------------|---------------|
|  | LS AY -CSW/P2/50 | 4058075727434 |
|  | LS AY -CSD/P2 | 4058075727526 |
|  | LS AY -8/SMB | 4058075727588 |
|  | LS AY -CP/P2/500 | 4058075727403 |
|  | DR DIM-PFM -60/220-240/24/P | 4058075240018 |
|  | LS AY -PM04/UW/23X15,5/10/1 | 4058075278400 |
|  | LS AY -PF04/U/17X7/12/1 | 4058075278288 |
|  | LS AY -PM02/R/18X15,5/10/1 | 4058075278349 |
|  | LS AY -PM05/U/17,5X14,5/10/1 | 4058075279278 |
|  | LS AY -PF01/UW/22X6/10/1 | 4058075278196 |
|  | LS AY -PM06/E/18X18/12/1 | 4058075279308 |
|  | LS AY -PF01/UW/22X6/10/2 | 4058075401532 |

| Product image | Product name | EAN |
|---|-----------------------------|---------------|
|  | LS AY -PF02/U/16X5/10/2 | 4058075401563 |
|  | LS AY -PF03/UW/25X7/12/1 | 4058075278257 |
|  | 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 -PW02/UW/39X26/14/1 | 4058075278134 |
|  | 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 |




| Product image | Product name | EAN |
|---|------------------------------|---------------|
|  | 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 |
|  | 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 |




| Product image | Product name | EAN |
|---|-----------------------------|---------------|
|  | DR DIM-PFM -60/220-240/24/P | 4058075379190 |


EQUIPMENT / ACCESSORIES

- Connectors, profiles and covers for several mounting options available
- Endcaps have to be ordered separately

DOWNLOAD DATA

| Documents and certificates | | Document name |
|---|--|--------------------------------|
|  | User instruction / safety instructions | LS V IP00 |
|  | Legal information | LS Insert LED STRIP V IP00 |
|  | Declarations of conformity | Declaration of Conformity LS V |

| Photometric and lighting design files | | Document name |
|--|-------------------------------------|----------------|
|  | IES file (IES) | LS V-500-840-5 |
|  | LDT file (Eulumdat) | LS V-500-840-5 |
|  | Light distribution curve type polar | LS V-500-840-5 |

| Tender texts | | Document name |
|--|------------------|--------------------------|
|  | Tender documents | LED STRIP V 500 840 5-EN |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075707832 | Folding box 1 | 242 mm x 242 mm x 26 mm | 426.00 g | 1.52 dm ³ |
| 4058075707849 | Shipping box 30 | 450 mm x 420 mm x 230 mm | 6434.00 g | 43.47 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.