

# PRODUCT DATASHEET

## LS P -500/930/5

LED STRIP P 500 | High performance LED strips with 500 lm/m for high requirements



### Areas of application

- General indoor illumination
- Industry
- Offices, retail outlets and conference rooms
- Architecture lighting
- Decorative illumination

### Product benefits

- Great scope of design options due to long and flexible LED strips
- Easy installation, no tools required for connection
- 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: 55.56 mm
- Lifetime (L70/B50): up to 50,000 h at T<sub>c</sub> max.: 80°C
- Luminous flux: 500 lm/m
- Very good color rendering index R<sub>a</sub>: > 90
- Initial color consistency: < 3 SDCM
- Large range of color temperatures: from warm white to cool daylight
- Dimmable with suitable drivers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim)

TECHNICAL DATA

Electrical data

|                           |           |
|---------------------------|-----------|
| Nominal wattage           | 21.00 W   |
| Construction wattage      | 21.00 W   |
| Nominal wattage per meter | 4.2 W     |
| Nominal voltage           | 24 V      |
| Input voltage range       | 23...25 V |
| Type of current           | DC        |
| Nominal current           | 875 mA    |

Photometrical data

|                                      |                     |
|--------------------------------------|---------------------|
| Luminous efficacy                    | 122 lm/W            |
| Luminous flux                        | 2310 lm             |
| Luminous flux per meter              | 515 lm              |
| Color temperature                    | 3000 K              |
| Color rendering index Ra             | > 90                |
| Light color LED                      | Warm White          |
| Light color (designation)            | Warm White          |
| Standard deviation of color matching | ≤3 sdc <sub>m</sub> |

Light technical data

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

LED MODULE INFORMATION

|                                  |     |
|----------------------------------|-----|
| Number of LEDs per meter         | 144 |
| Number of LEDs per module        | 720 |
| Number of LEDs per smallest unit | 8   |

Dimensions & Weight



|                        |            |
|------------------------|------------|
| Length                 | 5000.00 mm |
| Length – smallest unit | 55.56 mm   |
| Cable length           | 500.000    |

|                         |                     |
|-------------------------|---------------------|
| Width                   | 8.00 mm             |
| Height                  | 1.50 mm             |
| Prewired                | Yes                 |
| Conductor cross section | 0.5 mm <sup>2</sup> |
| LED pitch               | 6.94 mm             |
| Short pitch             | Yes                 |
| Product weight          | 95.00 g             |

### Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+55 °C |
| Maximum temperature at tc test point | 80 °C        |

### Lifespan

|                        |         |
|------------------------|---------|
| Nominal lamp life time | 50000 h |
|------------------------|---------|

### Additional product data

|                   |              |
|-------------------|--------------|
| Mounting location | All surfaces |
|-------------------|--------------|

### 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 / ENEC |
| Protection class                         | III             |
| Type of protection                       | IP00            |
| Energy class of contained light source   | E               |
| 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 |

| Product image                                                                       | Product name                | EAN           |
|-------------------------------------------------------------------------------------|-----------------------------|---------------|
|     | LS AY -PF01/UW/22X6/10/2    | 4058075401532 |
|     | 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 |

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

| Product image                                                                     | Product name                | EAN           |
|-----------------------------------------------------------------------------------|-----------------------------|---------------|
|  | DR-VAL -150/220-240/24      | 4058075240179 |
|  | DR DIM-PFM -60/220-240/24/P | 4058075379190 |

EQUIPMENT / ACCESSORIES

– Connectors, profiles and covers for several mounting options available

DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name              |
|------------------------------------------------------------------------------------|----------------------------------------|----------------------------|
|    | User instruction / safety instructions |                            |
|  | Legal information                      | LS insert LED STRIP P IP00 |
|  | Declarations of conformity             | LS P                       |
| Photometric and lighting design files                                              |                                        | Document name              |
|  | IES file (IES)                         | LS P-500-930-5             |
|  | IES file (IES)                         | LS P-500 930 5             |
|  | LDT file (Eulumdat)                    | LS P-500-930-5             |
|  | LDT file (Eulumdat)                    | LS P-500 930 5             |
|  | UGR file (UGR table)                   | LS P-500 930 5             |
|  | Light distribution curve type cone     | LS P-500 930 5             |
|  | Light distribution curve type polar    | LS P-500-930-5             |
|  | Light distribution curve type polar    | LS P-500 930 5             |
| Tender texts                                                                       |                                        | Document name              |
|  | Tender documents                       | LED STRIP P 500 930 5-EN   |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075707498 | Folding box<br>1             | 242 mm x 242 mm x 26 mm              | 426.00 g     | 1.52 dm <sup>3</sup>  |
| 4058075707504 | Shipping box<br>30           | 450 mm x 420 mm x 230 mm             | 6822.00 g    | 43.47 dm <sup>3</sup> |

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.