

# PRODUCT DATASHEET

## LS VAL -600/865/50

LED STRIP VALUE-600 50 meter reel | LED strips 50m long with 600 lm/m for general applications



### Areas of application

- General indoor illumination
- Cove lighting
- Bars, restaurants, hotels
- Residential interiors

### Product benefits

- Long LED strips for customized solutions made to measure
- Great design freedom thanks to flexibility and cuttability of module
- Maximum flexibility due to large range of accessories
- Easy installation, no tools required for connection

### Product features

- Flexible and cuttable LED strip
- Luminous flux: 600 lm/m
- Color rendering index  $R_a$ : > 80
- Lifetime (L70/B50): up to 20,000 h at  $T_c$  max.: 75°C
- Smallest cuttable unit: 100 mm
- Available with color temperature: 3,000 K, 4,000 K, 6,500 K
- Dimmable with suitable drivers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim)



TECHNICAL DATA

Electrical data

|                           |                     |
|---------------------------|---------------------|
| Nominal wattage           | 27.50 W             |
| Construction wattage      | 27.50 W             |
| Nominal wattage per meter | 6.1 W <sup>1)</sup> |
| Nominal voltage           | 24 V                |
| Input voltage range       | 23...25 V           |
| Reverse Voltage           | 30 V                |
| Type of current           | DC                  |
| Nominal current           | 230 mA              |

1) Value based on first meter of the product

Photometrical data

|                                      |                        |
|--------------------------------------|------------------------|
| Luminous efficacy                    | 100 lm/W <sup>1)</sup> |
| Luminous flux                        | 2880 lm                |
| Luminous flux per meter              | 610 lm <sup>1)</sup>   |
| Color temperature                    | 6500 K                 |
| Color rendering index Ra             | > 80                   |
| Light color LED                      | Daylight               |
| Light color (designation)            | Cool Daylight          |
| 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 ° |
|------------|-------|

LED MODULE INFORMATION

|                                  |    |
|----------------------------------|----|
| Number of LEDs per meter         | 60 |
| Number of LEDs per smallest unit | 6  |

Dimensions & Weight



|                         |                     |
|-------------------------|---------------------|
| Length                  | 50000.00 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 <sup>2</sup> |
| LED pitch               | 16.67 mm            |
| Short pitch             | No                  |
| Product weight          | 1350.00 g           |

### Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 75 °C        |
| Temperature range in operation       | -20...+40 °C |

### Lifespan

|                        |         |
|------------------------|---------|
| Nominal lamp life time | 20000 h |
|------------------------|---------|

### Capabilities

|                       |                   |
|-----------------------|-------------------|
| Dimmable              | Yes <sup>1)</sup> |
| Lowest bending radius | 15.0 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                           |
| Protection class                         | III                          |
| Type of protection                       | IP00                         |
| Energy consumption                       | 3.10 kWh/1000h <sup>1)</sup> |
| Energy class of contained light source   | F                            |
| Salt mist resistance acc. IEC 60068-2-52 | No                           |
| UV resistance acc. IEC 60068-2-5         | No                           |

<sup>1)</sup> Value based on 0.5 meter

LOGISTICAL DATA

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

Accessories Optional

| Product image                                                                      | Product name                | EAN           |
|------------------------------------------------------------------------------------|-----------------------------|---------------|
|    | LS AY -PF01/UW/22X6/10/1    | 4058075278196 |
|    | LS AY -8/SMB                | 4058075272588 |
|    | LS AY -CSW/P2/50            | 4058075272434 |
|   | LS AY -CSD/P2               | 4058075272526 |
|  | LS AY -CP/P2/500            | 4058075272403 |
|  | LS AY -PF02/U/16X5/10/1     | 4058075278226 |
|  | LS AY -PM04/UW/23X15,5/10/1 | 4058075278400 |
|  | LS AY -PM02/R/18X15,5/10/1  | 4058075278349 |
|  | LS AY -PM01/UW/21,5X12/10/1 | 4058075278318 |

| Product image                                                                      | Product name                 | EAN           |
|------------------------------------------------------------------------------------|------------------------------|---------------|
|    | LS AY -PM06/E/18X18/12/1     | 4058075279308 |
|    | LS AY -PM05/U/17,5X14,5/10/1 | 4058075279278 |
|   | DR DIM-PFM -60/220-240/24/P  | 4058075240018 |
|    | LS AY -PF01/UW/22X6/10/2     | 4058075401532 |
|    | LS AY -PF02/U/16X5/10/2      | 4058075401563 |
|  | LS AY -PF04/U/17X7/12/1      | 4058075278288 |
|  | LS AY -PM03/E/19X19/10/1     | 4058075278370 |
|  | LS AY -PW01/U/26X8/14/2      | 4058075401440 |
|  | LS AY -PW03/U/26X26/14/2     | 4058075401501 |
|  | LS AY -PW01/U/26X8/14/1      | 4058075278103 |
|  | LS AY -PF03/UW/25X7/12/1     | 4058075278257 |

| Product image                                                                       | Product name                 | EAN           |
|-------------------------------------------------------------------------------------|------------------------------|---------------|
|     | LS AY -PW02/UW/39X26/14/1    | 4058075278134 |
|    | 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-PFM -250/220-240/24/P     | 4058075240032 |
|  | DR-VAL -30/220-240/24        | 4058075240056 |
|  | DR-PFM -100/220-240/24/P     | 4058075239937 |
|  | DR-PFM -150/220-240/24/P     | 4058075239975 |
|  | DR-PFM -60/220-240/24/P      | 4058075239913 |
|  | DR-PFM -30/220-240/24/P      | 4058075239890 |
|  | DR DIM-PFM -250/220-240/24/P | 4058075240155 |

| Product image                                                                       | Product name                 | EAN           |
|-------------------------------------------------------------------------------------|------------------------------|---------------|
|    | DR DIM-PFM -40/220-240/24/P  | 4058075379176 |
|    | DR-VAL -60/220-240/24        | 4058075240094 |
|    | 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 |

EQUIPMENT / ACCESSORIES

– Connectors, profiles and covers for several mounting options available

DOWNLOAD DATA

| Documents and certificates                                                          |                                        | Document name            |
|-------------------------------------------------------------------------------------|----------------------------------------|--------------------------|
|  | User instruction / safety instructions | LED STRIP VALUE IP00     |
|  | Legal information                      | LED STRIP VALUE 50m IP00 |

| Documents and certificates                                                       |                            | Document name                                   |
|----------------------------------------------------------------------------------|----------------------------|-------------------------------------------------|
|  | Declarations of conformity | LS VAL Big Reel                                 |
| Tender texts                                                                     |                            | Document name                                   |
|  | Tender documents           | LED STRIP VALUE 600 50 meter reel 600 865 50-EN |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075597426 | Folding box<br>1             | 242 mm x 242 mm x 26 mm              | 1893.00 g    | 1.52 dm <sup>3</sup>  |
| 4058075600812 | Shipping box<br>10           | 516 mm x 496 mm x 332 mm             | 20346.00 g   | 84.97 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

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