# PRODUCT DATASHEET
# LS SUP -2000/TW/927-965/5/IP67

LED STRIP SUPERIOR-2000 TW PROTECTED | IP67 protected Tunable White LED strips with 2000 lm/m for professional applications with very good color rendering and lifetime



SUPERIOR CLASS

## Areas of application

- Suitable for indoor and outdoor applications (IP67)
- Cove lighting
- Hotels
- Offices
- General illumination

## Product benefits

- Great scope of design options due to long and flexible TW LED strips
- Easy installation, no tools required for connection
- Easy mounting thanks to self-adhesive tape
- Maximum flexibility due to large range of accessories
- Simple connection thanks to integrated cables on both sides

## Product features

- Adjustable color temperature via Tunable White: 2,700…6,500 K
- Smallest cuttable unit: 100 mm
- Lifetime (L70/B50): up to 50,000 h at $T_c$ max. ≤ 85°C
- Dimmable by pulse width modulation (PWM)
- Type of protection: IP67
- Highly UV-resistant
- Salt mist proof


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# TECHNICAL DATA

## Electrical data

| | |
|---|---|
| Nominal wattage | 108.00 W |
| Construction wattage | 108.00 W |
| Nominal wattage per meter | 21.6 W [1)] |
| Nominal voltage | 24 V [2)] |
| Input voltage range | 23…25 V [2)] |
| Type of current | DC |
| Nominal current | 4500 mA |

1) 10.8W for 2700K, 10.8W for 6500K

2) VDC

## Photometrical data

| | |
|---|---|
| Luminous efficacy | 76 lm/W |
| Luminous flux | 8450 lm |
| Luminous flux per meter | 1640 lm |
| Luminous flux per module chain | 9762 lm |
| Luminous flux per meter - Warm white | 900 lm/m |
| Luminous flux per meter - Cool white | 1010 lm/m |
| Color temperature | 2700…6500 K |
| Color rendering index Ra | > 90 |
| Light color LED | Tunable White |
| Light color (designation) | Tunable White |
| Standard deviation of color matching | ‹4 sdcm |

## Light technical data

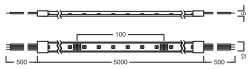
| | |
|---|---|
| Beam angle | 110 ° |
| Rated beam angle (half peak value) | 110.00 ° |

# LED MODULE INFORMATION

| | |
|---|---|
| Number of LEDs per meter | 120 |
| Number of LEDs per module | 600 |
| 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 | 12.00 mm |
| Height | 5.00 mm |
| Prewired | Yes |
| Conductor cross section | 0.5 $mm^2$ |
| LED pitch | 16.67 mm |
| Short pitch | No |
| Product weight | 440.00 g |

## Colors & materials

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

## Temperatures & operating conditions

| | |
|---|---|
| Ambient temperature range | -20…+55 °C [1)] |
| Maximum temperature at tc test point | 85 °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 | 50000 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 | CE / TUV / ENEC |


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| | |
|---|---|
| Protection class | III |
| Type of protection | IP67 |
| Energy class of contained light source | G |
| Salt mist resistance acc. IEC 60068-2-52 | Yes |
| UV resistance acc. IEC 60068-2-5 | Yes |

## LOGISTICAL DATA

| | |
|---|---|
| Temperature range at storage | -35…+85 °C |

## Required Accessories and Components

| Product image | Product name | EAN |
|---|---|---|
|  | LS AY -10/SE/P SIL-SEAL | 4099854178979 |
|  | LS AY SUP -12/SE/P SIL-SEAL | 4058075451568 |
|  | LS AY SUP -CSD/P3/P | 4058075451445 |
|  | LS AY SUP -CP/P3/500/P | 4058075451414 |
|  | LS AY SUP -CSW/P3/50/P | 4058075451537 |
|  | LS AY SUP -12/SMB | 4058075451599 |

## Accessories Optional

| Product image | Product name | EAN |
|---|---|---|
|  | LS AY -PM05/U/17,5X14,5/10/1 | 4058075279278 |


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| Product image | Product name | EAN |
|---|---|---|
|  | LS AY -PW01/U/26X8/14/2 | 4058075401440 |
|  | LS AY -PM06/E/18X18/12/1 | 4058075279308 |
|  | LS AY -PW01/U/26X8/14/1 | 4058075278103 |
|  | LS AY -PM04/UW/23X15,5/10/1 | 4058075278400 |
|  | LS AY -PM04/UW/23X15,5/10/2 | 4058075401747 |
|  | LS AY -PW03/U/26X26/14/1 | 4058075278165 |
|  | LS AY -PW03/U/26X26/14/2 | 4058075401501 |
|  | LS AY -PW02/UW/39X26/14/2 | 4058075401471 |
|  | LS AY -PW02/UW/39X26/14/1 | 4058075278134 |
|  | LS AY -PM06/E/18X18/12/2 | 4058075401808 |
|  | LS AY -PM05/U/17,5X14,5/10/2 | 4058075401778 |


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## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | LS SUP 2000 TW 5 IP67 |
| PDF | Legal information | LED STRIP TW IP67 |
| PDF | Declarations of conformity | LS SUP TW and LS PFM RGBW |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | LS SUP 2000 TW 927 965 5 IP67 |
| LDT | LDT file (Eulumdat) | LS SUP 2000 TW 927 965 5 IP67 |
| | UGR file (UGR table) | LS SUP 2000 TW 927 965 5 IP67 |
| | Light distribution curve type cone | LS SUP 2000 TW 927 965 5 IP67 |
| | Light distribution curve type polar | LS SUP 2000 TW 927 965 5 IP67 |

| | Tender texts | Document name |
|---|---|---|
| TXT | Tender documents | LED STRIP SUPERIOR 2000 TW PROTECTED 2000 TW 927 965 5 IP67-EN |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075436008 | Folding box<br>1 | 262 mm x 262 mm x 30 mm | 680.00 g | 2.06 $dm^3$ |
| 4058075436015 | Shipping box<br>10 | 300 mm x 280 mm x 285 mm | 7271.00 g | 23.94 $dm^3$ |
| 4058075436022 | Shipping box<br>20 | 585 mm x 320 mm x 310 mm | 14205.00 g | 58.03 $dm^3$ |

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

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