

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



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 $T_c \text{ max.} \leq 85^\circ\text{C}$
- Dimmable by pulse width modulation (PWM)
- Type of protection: IP67
- Highly UV-resistant
- Salt mist proof



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) V_{DC}

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

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
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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
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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
Protection class	III












Type of protection	IP67
Energy class of contained light source	G
ID of contained light source	AC38097
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
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Accessories Optional


Product image	Product name	EAN
	LS AY -PM05/U/17,5X14,5/10/1	4058075279278
	LS AY -PW01/U/26X8/14/2	4058075401440
	LS AY SUP -12/SE/P SIL-SEAL	4058075451568
	LS AY SUP -CSD/P3/P	4058075451445
	LS AY -PM06/E/18X18/12/1	4058075279308
	LS AY -PW01/U/26X8/14/1	4058075278103
	LS AY SUP -CSW/P3/50/P	4058075451537

Product image	Product name	EAN
	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 SUP -CP/P3/500/P	4058075451414
	LS AY SUP -12/SMB	4058075451599
	LS AY -PM05/U/17,5X14,5/10/2	4058075401778
	DR-PFM -250/220-240/24/P	4058075240032

Product image	Product name	EAN
	DR-PFM -150/220-240/24/P	4058075239975
	DR DIM-PFM -250/220-240/24/P	4058075240155
	DR DIM-PFM -150/220-240/24/P	4058075240117
	DR-VAL -120/220-240/24	4058075240131
	DR-VAL -150/220-240/24	4058075240179

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction	LS SUP 2000 TW 5 IP67
	Addon Technical Information	LED STRIP TW IP67
	Declarations Of Conformity CE	LS SUP TW and LS PFM RGBW

Tender texts	Document name
 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 1	262 mm x 262 mm x 30 mm	680.00 g	2.06 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075436015	Shipping box 10	300 mm x 280 mm x 285 mm	7271.00 g	23.94 dm ³
4058075436022	Shipping box 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

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.