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

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



SUPERIOR CLASS

Areas of application

- 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)
- Compatible with LEDVANCE Tunable White RF control devices
- Very good color rendering index R_a: > 90

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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	79 lm/W
Luminous flux	9140 lm
Luminous flux per meter	1700 lm
Luminous flux per module chain	9924 lm
Luminous flux per meter - Warm white	950 lm/m
Luminous flux per meter - Cool white	1060 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

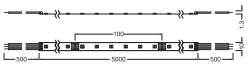
Beam angle	120 °
Rated beam angle (half peak value)	120.00 °

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	10.00 mm
Height	1.20 mm
Prewired	Yes
Conductor cross section	0.5 mm^2
LED pitch	16.67 mm
Short pitch	No
Product weight	140.00 g

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
Protection class	III
Type of protection	IP00
Energy class of contained light source	G

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Salt mist resistance acc. IEC 60068-2-52	No
UV resistance acc. IEC 60068-2-5	No

LOGISTICAL DATA

Temperature range at storage	-35…+85 °C

Required Accessories and Components

Product image	Product name	EAN
	LS AY SUP -CSW/P3/50	4058075451384
	LS AY SUP -CP/P3/500	4058075451322
	LS AY SUP -CSD/P3	4058075451353
	LS AY SUP -12/SMB	4058075451599

Accessories Optional

Product image	Product name	EAN
	LS AY -PF02/U/16X5/10/1	4058075278226
	LS AY -PF03/UW/25X7/12/2	4058075401594
	LS AY -PW03/U/26X26/14/2	4058075401501
	LS AY -PW02/UW/39X26/14/1	4058075278134

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Product image	Product name	EAN
	LS AY -PM02/R/18X15,5/10/1	4058075278349
	LS AY -PM03/E/19X19/10/2	4058075401716
	LS AY -PM01/UW/21,5X12/10/2	4058075401655
	LS AY -PW01/U/26X8/14/2	4058075401440
	LS AY -PM05/U/17,5X14,5/10/2	4058075401778
	LS AY -PF03/UW/25X7/12/1	4058075278257
	LS AY -PM05/U/17,5X14,5/10/1	4058075279278
	LS AY -PM06/E/18X18/12/2	4058075401808
	LS AY -PM04/UW/23X15,5/10/1	4058075278400
	LS AY -PF01/UW/22X6/10/2	4058075401532
	LS AY -PF04/U/17X7/12/1	4058075278288

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Product image	Product name	EAN
	LS AY -PM04/UW/23X15,5/10/2	4058075401747
	LS AY -PF04/U/17X7/12/2	4058075401624
	LS AY -PM02/R/18X15,5/10/2	4058075401686
	LS AY -PW02/UW/39X26/14/2	4058075401471
	LS AY -PM03/E/19X19/10/1	4058075278370
	LS AY -PM01/UW/21,5X12/10/1	4058075278318
	LS AY -PW01/U/26X8/14/1	4058075278103
	LS AY -PW03/U/26X26/14/1	4058075278165
	LS AY -PF02/U/16X5/10/2	4058075401563
	LS AY -PM06/E/18X18/12/1	4058075279308
	LS AY -PF01/UW/22X6/10/1	4058075278196

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Product image	Product name	EAN
	LS AY -PW04/U/25.5X25.5/13/1	4099854681790
	LS AY -PW04/U/25.5X25.5/13/2	4099854681820

Safety advice

– All electrical connections must be made by a qualified person.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	LED STRIP SUPERIOR TW
PDF	Legal information	LED STRIP TW IP00
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
LDT	LDT file (Eulumdat)	LS SUP 2000 TW 927 965 5
	UGR file (UGR table)	LS SUP 2000 TW 927 965 5
	Light distribution curve type cone	LS SUP 2000 TW 927 965 5
	Light distribution curve type polar	LS SUP 2000 TW 927 965 5

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

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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075436084	Folding box 1	242 mm x 242 mm x 26 mm	331.00 g	1.52 dm^3
4058075436091	Shipping box 10	260 mm x 260 mm x 265 mm	2760.00 g	17.91 dm^3
4058075436107	Shipping box 40	540 mm x 280 mm x 555 mm	15811.00 g	83.92 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.

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