

product_datasheet_title

LS SUP -500/965/5

LED STRIP SUPERIOR-500 | LED strips with 500 lm/m for professional applications with very good color rendering and lifetime



technical_data

ELECTRICAL DATA

Nominal wattage	26.50 W
Construction wattage	26.50 W
Nominal wattage per meter	5,3 W
Nominal voltage	24 V ¹⁾
Input voltage range	23...25 V ¹⁾
Reverse Voltage	25 V ¹⁾
Type of current	DC
Nominal current	900.000 mA

1) V_{DC}

PHOTOMETRICAL DATA

Luminous efficacy	108 lm/W
Luminous flux	2875 lm
Luminous flux per meter	575 lm
Luminous flux per module chain	2875 lm
Color temperature	6500 K
Color rendering index Ra	> 90
Light color LED	Daylight
Light color (designation)	Cool Daylight
Standard deviation of color matching	≤3 sdcn

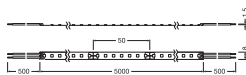
LIGHT TECHNICAL DATA

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

LED MODULE INFORMATION

Number of LEDs per meter	140
Number of LEDs per module	700
Number of LEDs per smallest unit	7

DIMENSIONS & WEIGHT



Length	5000.00 mm
Length – smallest unit	50,0 mm
Cable length	500.000
Width	8.00 mm
Height	1.50 mm
Prewired	Yes
Conductor cross section	0.5 mm ²
LED pitch	7,14 mm
Short pitch	Yes
Product weight	58.00 g

TEMPERATURES & OPERATING CONDITIONS

Ambient temperature range	-20...+50 °C ¹⁾
Maximum temperature at tc test point	90 °C ²⁾
Temperature range in operation	-20...+90 °C ³⁾
Performance temp. acc. to IEC 62717	45 °C

1) Providing that temperature at T_c point is below max value during operation

2) Exceeding the maximum specified ratings can reduce expected life time or destroy the LED strip

3) At the T_c point

LIFESPAN

Nominal lamp life time	60000 h
------------------------	---------

CAPABILITIES

Dimmable	yes ¹⁾
Lowest bending radius	20 mm
Self-adhesive	Yes
Reverse polarity protection	Up to maximum 25 V _{DC}

1) Dimmable with suitable drivers, see also www.ledvance.com/dim






CERTIFICATES & STANDARDS










Approval marks – approval	ENEC 25 / TUV / RoHS / CE / REACH
Standards	Acc. to IEC 62031 / Acc. to IEC 62493 / Acc. to IEC TR 62778 / Acc. to EN 50581 / Acc. to EN 62031
Type of protection	IP00
Energy consumption	29.15 kWh/1000h
Energy efficiency class	A+
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
------------------------------	--------------











Accessories Mandatory












product_image	product_name	product_ean
	DR DIM-PFM -100/220-240/24/P	4058075240070
	DR-VAL -120/220-240/24	4058075240131
	DR-VAL -60/220-240/24	4058075240094
	DR DIM-PFM -60/220-240/24/P	4058075240018
	DR DIM-PFM -60/220-240/24/P	4058075379190
	DR DIM-PFM -250/220-240/24/P	4058075240155
	DR-PFM -250/220-240/24/P	4058075240032










product_image	product_name	product_ean
	DR DIM-PFM -150/220-240/24/P	4058075240117
	DR-VAL -150/220-240/24	4058075240179
	DR DIM-PFM -40/220-240/24/P	4058075239999
	DR DIM-PFM -40/220-240/24/P	4058075379176
	DR-PFM -60/220-240/24/P	4058075239913
	DR-PFM -30/220-240/24/P	4058075239890
	DR-PFM -150/220-240/24/P	4058075239975
	DR-VAL -30/220-240/24	4058075240056
	DR-PFM -100/220-240/24/P	4058075239937

Accessories Optional


product_image	product_name	product_ean
	LS AY -PF01/UW/22X6/10/1	4058075278196


product_image	product_name	product_ean
	LS AY -PF01/UW/22X6/10/2	4058075401532
	LS AY -PM04/UW/23X15,5/10/1	4058075278400
	LS AY SUP -CP/P2/500	4058075304413
	LS AY SUP -CSW/P2/50	4058075304475
	LS AY -PF04/U/17X7/12/1	4058075278288
	LS AY -PM01/UW/21,5X12/10/1	4058075278318
	LS AY SUP -CSW/P2/500	4058075304505
	LS AY -PM06/E/18X18/12/1	4058075279308
	LS AY -PM03/E/19X19/10/1	4058075278370
	LS AY -PF03/UW/25X7/12/1	4058075278257


product_image	product_name	product_ean
	LS AY -PW01/U/26X8/14/2	4058075401440
	LS AY -PM03/E/19X19/10/2	4058075401716
	LS AY -PF04/U/17X7/12/2	4058075401624
	LS AY -PW03/U/26X26/14/2	4058075401501
	LS AY -PM02/R/18X15,5/10/1	4058075278349
	LS AY SUP -CSD/P2	4058075304444
	LS AY -PF03/UW/25X7/12/2	4058075401594
	LS AY -PW03/U/26X26/14/1	4058075278165
	LS AY -PF02/U/16X5/10/2	4058075401563
	LS AY -PW02/UW/39X26/14/1	4058075278134
	LS AY -PM05/U/17,5X14,5/10/2	4058075401778

product_image	product_name	product_ean
	LS AY -PM06/E/18X18/12/2	4058075401808
	LS AY -PM01/UW/21,5X12/10/2	4058075401655
	LS AY -PM04/UW/23X15,5/10/2	4058075401747
	LS AY -PM05/U/17,5X14,5/10/1	4058075279278
	LS AY -PM02/R/18X15,5/10/2	4058075401686
	LS AY PFM -8/SMB	4058075275645
	LS AY -PW01/U/26X8/14/1	4058075278103
	LS AY -PW02/UW/39X26/14/2	4058075401471
	LS AY -PF02/U/16X5/10/1	4058075278226

download_data

Documents and certificates	document_name
 User instruction	LED STRIP SUPERIOR

Documents and certificates		document_name
	Declarations Of Conformity CE	EU Declaration of Conformity 3956203 LS SUP

Photometric and lighting design files		document_name
	LDT file (Eulumdat)	LS SUP-500-965-5

logistical_data

product_code	packaging_unit	dimensions	weight	volume
4058075237100	Folding box 1	206 mm x 18 mm x 204 mm	124.00 g	0.76 dm ³
4058075237117	Shipping box 10	213 mm x 213 mm x 215 mm	1367.00 g	9.75 dm ³
4058075258662	Shipping box 40	439 mm x 439 mm x 233 mm	6066.00 g	44.90 dm ³

logistical_data_text

disclaimer_title

disclaimer_text