PRODUCT DATASHEET
LS P -500/940/5

LED STRIP P 500 | High performance LED strips with 500 lm/m for high requirements



PERFOR-
MANCE
CLASS

Areas of application

- General indoor illumination
- Industry
- Offices, retail outlets and conference rooms
- Architecture lighting
- Decorative illumination

Product benefits

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

Product features

- Flexible and cuttable LED strip
- Smallest cuttable unit: 55.56 mm
- Lifetime (L70/B50): up to 50,000 h at Tc max.: 80°C
- Luminous flux: 500 lm/m
- Very good color rendering index R_a: > 90
- Initial color consistency: < 3 SDCM
- Large range of color temperatures: from warm white to cool daylight
- Dimmable with suitable drivers, see also www.ledvance.com/dim

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TECHNICAL DATA

Electrical data

Nominal wattage	21.00 W
Construction wattage	21.00 W
Nominal wattage per meter	4.2 W
Nominal voltage	24 V
Input voltage range	23…25 V
Type of current	DC
Nominal current	875 mA

Photometrical data

Luminous efficacy	130 lm/W
Luminous flux	2455 lm
Luminous flux per meter	545 lm
Color temperature	4000 K
Color rendering index Ra	> 90
Light color LED	Daylight
Light color (designation)	Daylight
Standard deviation of color matching	‹3 sdcm

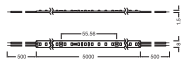
Light technical data

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

LED MODULE INFORMATION

Number of LEDs per meter	144
Number of LEDs per module	720
Number of LEDs per smallest unit	8

Dimensions & Weight



Length	5000.00 mm
Length – smallest unit	55.56 mm
Cable length	500.000
Width	8.00 mm

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Height	1.50 mm
Prewired	Yes
Conductor cross section	0.5 mm^2
LED pitch	6.94 mm
Short pitch	Yes
Product weight	95.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+55 °C
Maximum temperature at tc test point	80 °C

Lifespan

Nominal lamp life time	50000 h

Additional product data

Mounting location	All surfaces

Capabilities

Dimmable	Yes [1)]
Lowest bending radius	30,0 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	E
Salt mist resistance acc. IEC 60068-2-52	No
UV resistance acc. IEC 60068-2-5	No

LOGISTICAL DATA

Temperature range at storage	-20…+80 °C

Required Accessories and Components

Product image	Product name	EAN
	LS AY -CSW/P2/50	4058075727434

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Product image	Product name	EAN
	LS AY -CSD/P2	4058075727526
	LS AY -CP/P2/500	4058075727403
	LS AY -8/SMB	4058075727588

Accessories Optional

Product image	Product name	EAN
	LS AY -PF02/U/16X5/10/1	4058075278226
	LS AY -PM04/UW/23X15,5/10/1	4058075278400
	LS AY -PF04/U/17X7/12/1	4058075278288
	LS AY -PM02/R/18X15,5/10/1	4058075278349
	LS AY -PM05/U/17,5X14,5/10/1	4058075279278
	LS AY -PF01/UW/22X6/10/1	4058075278196
	LS AY -PM06/E/18X18/12/1	4058075279308
	LS AY -PF01/UW/22X6/10/2	4058075401532

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Product image	Product name	EAN
	LS AY -PF02/U/16X5/10/2	4058075401563
	LS AY -PF03/UW/25X7/12/1	4058075278257
	LS AY -PW01/U/26X8/14/1	4058075278103
	LS AY -PM01/UW/21,5X12/10/1	4058075278318
	LS AY -PM03/E/19X19/10/1	4058075278370
	LS AY -PW02/UW/39X26/14/1	4058075278134
	LS AY -PW03/U/26X26/14/2	4058075401501
	LS AY -PW01/U/26X8/14/2	4058075401440
	LS AY -PW02/UW/39X26/14/2	4058075401471
	LS AY -PW03/U/26X26/14/1	4058075278165
	LS AY -PW04/U/25.5X25.5/13/1	4099854681790
	LS AY -PW04/U/25.5X25.5/13/2	4099854681820

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Product image	Product name	EAN
	LS AY -PF03/UW/25X7/12/2	4058075401594
	LS AY -PF04/U/17X7/12/2	4058075401624
	LS AY -PM01/UW/21,5X12/10/2	4058075401655
	LS AY -PM02/R/18X15,5/10/2	4058075401686
	LS AY -PM03/E/19X19/10/2	4058075401716
	LS AY -PM04/UW/23X15,5/10/2	4058075401747
	LS AY -PM05/U/17,5X14,5/10/2	4058075401778
	LS AY -PM06/E/18X18/12/2	4058075401808

EQUIPMENT / ACCESSORIES

– Connectors, profiles and covers for several mounting options available

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	
PDF	Legal information	LS insert LED STRIP P IP00
PDF	Declarations of conformity	LS P
PDF	Certificates	ENEC 64142215013801

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	Photometric and lighting design files	Document name
	IES file (IES)	LS P-500-940-5
	IES file (IES)	LS P-500 940 5
	LDT file (Eulumdat)	LS P-500-940-5
	LDT file (Eulumdat)	LS P-500 940 5
	UGR file (UGR table)	LS P-500 940 5
	Light distribution curve type cone	LS P-500 940 5
	Light distribution curve type polar	LS P-500-940-5
	Light distribution curve type polar	LS P-500 940 5

	Tender texts	Document name
	Tender documents	LED STRIP P 500 940 5-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075707511	Folding box 1	242 mm x 242 mm x 26 mm	426.00 g	1.52 dm^3
4058075707528	Shipping box 30	450 mm x 420 mm x 230 mm	6796.00 g	43.47 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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