

PRODUCT DATASHEET

LS P -500/940/5/IP67

LED STRIP P 500 P | High performance IP67 protected LED strips with 500 lm/m for high requirements



Areas of application

- General indoor illumination
- General outdoor 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
- Easy mounting on many smooth surfaces thanks to self-adhesive tape
- Maximum flexibility due to large range of accessories
- Simple connection thanks to integrated cables on both sides
- Suitable for use in damp conditions thanks to high type of protection

Product features

- Flexible and cuttable LED strip
- Smallest cuttable unit: 55.56 mm
- Lifetime (L70/B50): 50,000 h (temperature at $T_c = 80^\circ\text{C}$)
- Luminous flux: 500 lm/m
- Very good color rendering index $R_a: > 90$
- Initial color consistency: $< 3 \text{ SDCM}$
- Large range of color temperatures: from warm white to cool daylight
- Dimmable with suitable drivers, see also www.ledvance.com/dim
- Type of protection: IP67
- UV resistance (acc. IEC 60068-2-5)
- Salt mist resistance (acc. IEC 60068-2-52)

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	122 lm/W
Luminous flux	2360 lm
Luminous flux per meter	515 lm
Color temperature	4000 K
Color rendering index Ra	> 90
Light color LED	Daylight
Light color (designation)	Daylight
Standard deviation of color matching	≤3 sdc _m

Light technical data

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

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	10.00 mm
Height	4.70 mm
Prewired	Yes
Conductor cross section	0.5 mm ²
LED pitch	6.94 mm
Short pitch	Yes
Product weight	380.00 g

Colors & materials

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

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	IP67
Energy class of contained light source	E
Salt mist resistance acc. IEC 60068-2-52	Yes
UV resistance acc. IEC 60068-2-5	Yes

LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
------------------------------	--------------

Accessories Optional

Product image	Product name	EAN
	LS AY -CSD/P2/P	4058075727557
	LS AY -CP/P2/500/P	4058075727465
	LS AY -CSW/P2/50/P	4058075727496
	LS AY -10/SMB	4058075727618
	LS AY -10/SE/P SIL-SEAL	4058075727649
	DR DIM-PFM -60/220-240/24/P	4058075240018
	LS AY PFM -10/SE/P SIL-SEAL	4058075275744
	LS AY -PM04/UW/23X15,5/10/1	4058075278400
	LS AY -PM05/U/17,5X14,5/10/1	4058075279278
	LS AY -PM06/E/18X18/12/1	4058075279308
	LS AY -PW01/U/26X8/14/1	4058075278103
	LS AY -PW02/UW/39X26/14/1	4058075278134

Product image	Product name	EAN
	LS AY -PW03/U/26X26/14/2	4058075401501
	LS AY -PW01/U/26X8/14/2	4058075401440
	DR DIM-PFM -40/220-240/24/P	4058075239999
	LS AY -PW02/UW/39X26/14/2	4058075401471
	LS AY -PW03/U/26X26/14/1	4058075278165
	DR-VAL -30/220-240/24	4058075240056
	DR-PFM -30/220-240/24/P	4058075239890
	DR-PFM -60/220-240/24/P	4058075239913
	DR-PFM -100/220-240/24/P	4058075239937
	DR-PFM -150/220-240/24/P	4058075239975
	DR-PFM -250/220-240/24/P	4058075240032
	DR-VAL -60/220-240/24	4058075240094

Product image	Product name	EAN
	DR DIM-PFM -250/220-240/24/P	4058075240155
	DR DIM-PFM -40/220-240/24/P	4058075379176
	DR DIM-PFM -150/220-240/24/P	4058075240117
	DR DIM-PFM -100/220-240/24/P	4058075240070
	DR-VAL -120/220-240/24	4058075240131
	DR-VAL -150/220-240/24	4058075240179
	DR DIM-PFM -60/220-240/24/P	4058075379190

EQUIPMENT / ACCESSORIES

- Connectors, profiles and covers for several mounting options available

DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	LS P IP67
 Legal information	LS insert LED STRIP P IP67
 Declarations of conformity	LS P

Photometric and lighting design files		Document name
	IES file (IES)	LS P-500-940-5-IP67
	IES file (IES)	LS P-500 940 5 IP67
	LDT file (Eulumdat)	LS P-500-940-5-IP67
	LDT file (Eulumdat)	LS P-500 940 5 IP67
	UGR file (UGR table)	LS P-500 940 5 IP67
	Light distribution curve type cone	LS P-500 940 5 IP67
	Light distribution curve type polar	LS P-500-940-5-IP67
	Light distribution curve type polar	LS P-500 940 5 IP67
Tender texts		Document name
	Tender documents	LED STRIP P 500 P 500 940 5 IP67-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075705876	Folding box 1	242 mm x 242 mm x 26 mm	426.00 g	1.52 dm³
4058075705883	Shipping box 20	550 mm x 325 mm x 270 mm	10453.00 g	48.26 dm³

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.