PRODUCT DATASHEET
LS V -500/840/5/IP66

LED STRIP V 500 P | IP66 protected LED strips with 500 lm/m for general applications



VALUE CLASS

Areas of application

- General indoor illumination
- General outdoor illumination
- Decorative illumination
- Private living areas

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: 100 mm
- Lifetime (L70/B50): up to 30,000 h at Tc max.: 75°C
- Luminous flux: 500 lm/m
- Color rendering index R_a: > 80
- Large range of color temperatures: from warm white to cool daylight
- Type of protection: IP65
- Dimmable with suitable drivers, see also www.ledvance.com/dim
- UV restistance (acc. IEC 60068-2-5)
- Salt mist resistance (acc. IEC 60068-2-52)

© 2026, LEDVANCE GmbH. All rights reserved.

TECHNICAL DATA

Electrical data

Nominal wattage	24.00 W
Construction wattage	24.00 W
Nominal wattage per meter	5 W
Nominal voltage	24 V
Input voltage range	23…25 V
Type of current	DC
Nominal current	1000 mA

Photometrical data

Luminous efficacy	105 lm/W [1)]
Luminous flux	2300 lm
Luminous flux per meter	525 lm [1)]
Color temperature	4000 K
Color rendering index Ra	> 80
Light color LED	Daylight
Light color (designation)	Daylight
Standard deviation of color matching	≤5 sdcm

1) Value based on first meter of the product

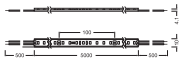
Light technical data

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

LED MODULE INFORMATION

Number of LEDs per meter	70
Number of LEDs per module	350
Number of LEDs per smallest unit	7

Dimensions & Weight



Length	5000.00 mm
Length – smallest unit	100 mm

© 2026, LEDVANCE GmbH. All rights reserved.

Cable length	500.000
Width	10.00 mm
Height	4.10 mm
Prewired	Yes
Conductor cross section	0.5 mm^2
LED pitch	14.29 mm
Short pitch	No
Product weight	275.00 g

Colors & materials

Cover material	Silicone

Temperatures & operating conditions

Ambient temperature range	-20…+55 °C
Maximum temperature at tc test point	75 °C

Lifespan

Nominal lamp life time	30000 h

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
Protection class	III
Type of protection	IP66
Energy class of contained light source	F
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

Required Accessories and Components

© 2026, LEDVANCE GmbH. All rights reserved.

Product image	Product name	EAN
	LS AY -10/SE/P SIL-SEAL	4099854178979
	LS AY -10/SMB	4058075727618
	LS AY -CP/P2/500/P	4058075727465
	LS AY -CSD/P2/P	4058075727557
	LS AY -CSW/P2/50/P	4058075727496

Accessories Optional

Product image	Product name	EAN
	LS AY -10/SE/P SIL-SEAL	4058075727649
	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

© 2026, LEDVANCE GmbH. All rights reserved.

Product image	Product name	EAN
	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
	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

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	
PDF	Legal information	LS Insert LED STRIP V IP66
PDF	Declarations of conformity	Declaration of Conformity LS V

© 2026, LEDVANCE GmbH. All rights reserved.

	Documents and certificates	Document name
PDF	Certificates	ENEC 6814021039301

	Photometric and lighting design files	Document name
IES	IES file (IES)	LS V-500-840-5-IP66
LDT	LDT file (Eulumdat)	LS V-500-840-5-IP66
	Light distribution curve type polar	LS V-500-840-5-IP66

	Tender texts	Document name
TXT	Tender documents	LED STRIP V 500 P 500 840 5 IP66-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075705487	Folding box 1	242 mm x 242 mm x 26 mm	426.00 g	1.52 dm^3
4058075705494	Shipping box 20	550 mm x 325 mm x 270 mm	8353.00 g	48.26 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.

© 2026, LEDVANCE GmbH. All rights reserved.