PRODUCT DATASHEET
LS VAL -500/RGB/5/IP65

LED STRIP VALUE-500 RGB PROTECTED | IP65 protected RGB LED strips with 500 lm/m for general applications



Areas of application

- Suitable for indoor and outdoor applications (IP65)
- Facade accent lighting
- Effect lighting in architecture
- Dynamic effects in public zones
- Cove lighting
- Under-cabinet lighting
- Hotels and Offices
- Residential interiors

Product benefits

- Great scope of design options due to long and flexible RGB LED strips
- Uniform color changing
- 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

Product features

- Flexible and splittable LED strip with inline multichip RGB LEDs
- Smallest cuttable unit: 100 mm
- Lifetime (L70/B50): up to 40,000 h at Tc max.: 75°C
- Type of protection: IP65
- Salt mist proof
- Highly UV-resistant
- Dimmable by pulse width modulation (PWM)



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TECHNICAL DATA

Electrical data

Nominal wattage	67.00 W
Construction wattage	67.00 W
Nominal wattage per meter	14.4 W [1)]
Nominal voltage	24 V [2)]
Input voltage range	23…25 V [2)]
Reverse Voltage	27 V [2)]
Type of current	DC
Nominal current	2800 mA

1) Value based on first meter of the product

2) V_{DC}

Photometrical data

Luminous efficacy	33.7 lm/W [1)]
Luminous flux	2150 lm
Luminous flux per meter	485 lm [1)]
Luminous flux per module chain	2150 lm
Luminous flux per meter - Red	115 lm/m [1)]
Luminous flux per meter - Green	355 lm/m [1)]
Luminous flux per meter - Blue	80 lm/m [1)]
Luminous flux per meter - RGB	485 lm/m [1)]
Light color LED	RGB
Light color (designation)	RGB

1) Value based on first meter of the product

Light technical data

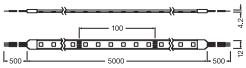
Beam angle	120 °
Rated beam angle (half peak value)	120.00 °

LED MODULE INFORMATION

Number of LEDs per meter	60
Number of LEDs per module	300
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	12.50 mm
Height	4.20 mm
Prewired	Yes
Conductor cross section	0.5 mm^2
LED pitch	16.7 mm
Short pitch	No
Product weight	250.00 g

Colors & materials

Cover material	Silicone

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C [1)]
Maximum temperature at tc test point	75 °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	40000 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

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Approval marks – approval	RoHS / CE / REACH
Protection class	III
Type of protection	IP65
Salt mist resistance acc. IEC 60068-2-52	No
UV resistance acc. IEC 60068-2-5	Yes

LOGISTICAL DATA

Temperature range at storage	-20…+85 °C

Accessories Mandatory

Product image	Product name	EAN
	DR-VAL -120/220-240/24	4058075240131
	DR-PFM -150/220-240/24/P	4058075239975
	DR-PFM -100/220-240/24/P	4058075239937
	DR-PFM -250/220-240/24/P	4058075240032
	DR-VAL -150/220-240/24	4058075240179
	DR DIM-PFM -100/220-240/24/P	4058075240070
	DR DIM-PFM -250/220-240/24/P	4058075240155

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Product image	Product name	EAN
	DR DIM-PFM -150/220-240/24/P	4058075240117

Accessories Optional

Product image	Product name	EAN
	LS AY VAL -12/SMB	4058075411708
	LS AY -PM04/UW/23X15,5/10/2	4058075401747
	LS AY VAL -SE/P + SILICONE SEAL	4058075407985
	LS AY -PM06/E/18X18/12/2	4058075401808
	LS AY VAL -CSD/P4/P	4058075407923
	LS AY VAL -CSW/P4/50/P	4058075407954
	LS AY VAL -CP/P4/500/P	4058075407893
	LS AY -PW03/U/26X26/14/1	4058075278165
	LS AY -PW02/UW/39X26/14/2	4058075401471

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Product image	Product name	EAN
	LS AY -PW01/U/26X8/14/1	4058075278103
	LS AY -PW01/U/26X8/14/2	4058075401440
	LS AY -PM05/U/17,5X14,5/10/1	4058075279278
	LS AY -PM06/E/18X18/12/1	4058075279308
	LS AY -PM04/UW/23X15,5/10/1	4058075278400
	LS AY -PW02/UW/39X26/14/1	4058075278134
	LS AY -PW03/U/26X26/14/2	4058075401501
	LS AY -PM05/U/17,5X14,5/10/2	4058075401778

Safety advice

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

DOWNLOAD DATA

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	Documents and certificates	Document name
PDF	User instruction / safety instructions	LED STRIP VALUE RGB IP65
PDF	Declarations of conformity	LS VAL RGB

	Photometric and lighting design files	Document name
IES	IES file (IES)	LS VAL-500-RGB-5-IP65-1M-RGB_IESNA2002
IES	IES files (IES, additional)	LS VAL-500-RGB-5-IP65-1M-Green_IESNA2002
IES	IES files (IES, additional)	LS VAL-500-RGB-5-IP65-0.1M-Green_IESNA2002
IES	IES files (IES, additional)	LS VAL-500-RGB-5-IP65-1M-Blue_IESNA2002
IES	IES files (IES, additional)	LS VAL-500-RGB-5-IP65-1M-Red_IESNA2002
IES	IES files (IES, additional)	LS VAL-500-RGB-5-IP65-0.1M-Blue_IESNA2002
IES	IES files (IES, additional)	LS VAL-500-RGB-5-IP65-0.1M-RGB_IESNA2002
IES	IES files (IES, additional)	LS VAL-500-RGB-5-IP65-0.1M-Red_IESNA2002
LDT	LDT file (Eulumdat)	LS VAL-500-RGB-5-IP65-1M-RGB
LDT	LDT files (Eulumdat, additional)	LS VAL-500-RGB-5-IP65-0.1M-Green
LDT	LDT files (Eulumdat, additional)	LS VAL-500-RGB-5-IP65-1M-Green
LDT	LDT files (Eulumdat, additional)	LS VAL-500-RGB-5-IP65-1M-Blue
LDT	LDT files (Eulumdat, additional)	LS VAL-500-RGB-5-IP65-0.1M-RGB
LDT	LDT files (Eulumdat, additional)	LS VAL-500-RGB-5-IP65-0.1M-Red
LDT	LDT files (Eulumdat, additional)	LS VAL-500-RGB-5-IP65-1M-Red

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	Photometric and lighting design files	Document name
	LDT files (Eulumdat, additional)	LS VAL-500-RGB-5-IP65-0.1M-Blue

	Tender texts	Document name
	Tender documents	LED STRIP VALUE 500 RGB PROTECTED 500 RGB 5 IP65-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075404472	Folding box 1	262 mm x 262 mm x 30 mm	490.00 g	2.06 dm^3
4058075404489	Shipping box 10	300 mm x 280 mm x 285 mm	5371.00 g	23.94 dm^3
4058075404496	Shipping box 20	585 mm x 320 mm x 310 mm	10742.00 g	58.03 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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