PRODUCT DATASHEET
LS PFM -1000/RGBW/827/5/IP66

LED STRIP PERFORMANCE-1000 RGBW PROTECTED | High performance IP66 protected RGBW LED strips with 1000 lm/m for high requirements



PERFOR-
MANCE
CLASS

Product benefits

- Great scope of design options due to long and flexible RGBW LED strips
- Easy installation, no tools required for connection
- Easy mounting thanks to self-adhesive tape
- Maximum flexibility due to large range of accessories
- Simple connection thanks to integrated cables on both sides
- Good white light quality thanks to dedicated white LEDs

Product features

- Flexible and cuttable LED strip with white Chip and Multichip RGB LEDs
- Smallest cuttable unit: 100 mm
- Lifetime (L70/B50): up to 40,000 h at T_c max. ≤ 85°C
- Dimmable by pulse width modulation (PWM)
- Type of protection: IP66
- Highly UV-resistant
- Salt mist proof

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TECHNICAL DATA

Electrical data

Nominal wattage	98.00 W [1)]
Construction wattage	98.00 W
Nominal wattage per meter	20.0 W [2)]
Nominal voltage	24 V [3)]
Input voltage range	23…25 V [3)]
Type of current	DC
Nominal current	4080 mA

1) 48W for white, 14.4 W for Red, 16.1W for Green, 16.1W for Blue

2) 3.3W per meter for Red, 3.3W per meter for Green, 3.3W per meter for Blue, 9.6W per meter for White

3) VDC

Photometrical data

Luminous efficacy	98 lm/W
Luminous flux	5725 lm [1)]
Luminous flux per meter	1105 lm
Luminous flux per module chain	6514 lm
Luminous flux per meter - Red	90 lm/m
Luminous flux per meter - Green	240 lm/m
Luminous flux per meter - Blue	60 lm/m
Luminous flux per meter - RGB	375 lm/m
Color temperature	2700 K
Color rendering index Ra	> 80
Light color LED	RGB, white
Light color (designation)	RGBW / Warm White
Standard deviation of color matching	‹4 sdcm

1) 4380lm for 2700K, 4420lm for 3000K, 4670lm for 4000K, 4710lm for 6500K, 395lm for Red, 1145lm for Green, 290lm for Blue

Light technical data

Beam angle	120 °
Rated beam angle (half peak value)	110.00 °

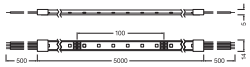
LED MODULE INFORMATION

Number of LEDs per meter	120
Number of LEDs per module	600

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Number of LEDs per smallest unit	12

Dimensions & Weight



Length	5000.00 mm
Length – smallest unit	100 mm
Cable length	500.000
Width	14.00 mm
Height	5.00 mm
Prewired	Yes
Conductor cross section	0.5 mm^2
LED pitch	16.67 mm
Short pitch	No
Product weight	501.00 g

Colors & materials

Cover material	Silicone

Temperatures & operating conditions

Ambient temperature range	-20…+55 °C [1)]
Maximum temperature at tc test point	85 °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

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Certificates & Standards

Approval marks – approval	TUV / RoHS / CE / REACH
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	-35…+85 °C

Required Accessories and Components

Product image	Product name	EAN
	LS AY -10/SE/P SIL-SEAL	4099854178979
	LS AY PFM -13/SMB	4058075451292
	LS AY PFM -CSD/P5/P	4058075451209
	LS AY PFM -CSW/P5/50/P	4058075451230
	LS AY PFM -CP/P5/500/P	4058075451179
	LS AY PFM -13/SE/P SIL-SEAL	4058075451261

Accessories Optional

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Product image	Product name	EAN
	LS AY -PW02/UW/39X26/14/1	4058075278134
	LS AY -PW03/U/26X26/14/2	4058075401501
	LS AY -PW01/U/26X8/14/1	4058075278103
	LS AY -PW02/UW/39X26/14/2	4058075401471
	LS AY -PW01/U/26X8/14/2	4058075401440
	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

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	LED STRIP PERFORMANCE RGBW IP66
PDF	Legal information	LED STRIP RGBW IP66
PDF	Declarations of conformity	LS SUP TW and LS PFM RGBW

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	Tender texts	Document name
	Tender documents	LED STRIP PERFORMANCE1000 RGBW PROTECTED 1000 RGBW 827 5 IP66-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075436053	Folding box 1	262 mm x 262 mm x 30 mm	741.00 g	2.06 dm^3
4058075436060	Shipping box 10	300 mm x 280 mm x 285 mm	7881.00 g	23.94 dm^3
4058075436077	Shipping box 20	585 mm x 320 mm x 310 mm	14205.00 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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