PRODUCT DATASHEET
LS PFM -1000/COB/940/5

LED STRIP PERFORMANCE COB -1000 | High performance COB LED strip with 1000 lm/m for high requirements



PERFOR-
MANCE
CLASS

Areas of application

- General illumination
- Cove lighting
- Bars, restaurants, hotels
- Offices
- Residential interiors

Product benefits

- Excellent homogenous light, without visible light points thanks to COB technology
- Great design freedom thanks to flexibility and cuttability of module
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Simple connection thanks to integrated cables on both sides
- Maximum flexibility due to large range of accessories
- Easy installation, no tools required for connection

Product features

- Flexible and cuttable LED strip
- Luminous flux: 1000 lm/m
- Very good color rendering index R_a: > 90
- Smallest cuttable unit: 62.5 mm
- 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	38.00 W
Construction wattage	38.00 W
Nominal wattage per meter	11.0 W [1)]
Nominal voltage	24 V
Input voltage range	23…25 V
Reverse Voltage	144 V
Type of current	DC
Nominal current	1600 mA

1) Value based on first meter of the product

Photometrical data

Luminous efficacy	97 lm/W [1)]
Luminous flux	3300 lm
Luminous flux per meter	1040 lm [1)]
Color temperature	4000 K
Color rendering index Ra	> 90
Light color LED	Cool White
Light color (designation)	Neutral White
Standard deviation of color matching	≤5 sdcm

1) Value based on first meter of the product

Light technical data

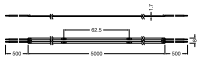
Beam angle	140 °

LED MODULE INFORMATION

Number of LEDs per meter	384
Number of LEDs per module	384
Number of LEDs per smallest unit	24

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Dimensions & Weight



Length	5000.00 mm
Length – smallest unit	62.5 mm
Cable length	500.000
Width	8.00 mm
Height	1.70 mm
Prewired	Yes
Conductor cross section	0.5 mm^2
Short pitch	Yes
Product weight	188.00 g

Temperatures & operating conditions

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

Lifespan

Nominal lamp life time	50000 h

Capabilities

Dimmable	Yes [1)]
Lowest bending radius	10 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	IP00
Energy consumption	5.50 kWh/1000h [1)]
Energy class of contained light source	F

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Salt mist resistance acc. IEC 60068-2-52	No
UV resistance acc. IEC 60068-2-5	No

1) Value based on 0.5 meter

LOGISTICAL DATA

Temperature range at storage	-40…+85 °C

Required Accessories and Components

Product image	Product name	EAN
	LS AY PFM -CSW-P2-50-COB	4058075654099
	LS AY PFM -CP-P2-500 COB	4058075654075
	LS AY PFM -CSD-P2-COB	4058075654112

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 -PM02/R/18X15,5/10/1	4058075278349
	LS AY -PM01/UW/21,5X12/10/1	4058075278318

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Product image	Product name	EAN
	LS AY -PM06/E/18X18/12/1	4058075279308
	LS AY -PF01/UW/22X6/10/1	4058075278196
	LS AY -PM05/U/17,5X14,5/10/1	4058075279278
	LS AY -PF01/UW/22X6/10/2	4058075401532
	LS AY -PF02/U/16X5/10/2	4058075401563
	LS AY -PF04/U/17X7/12/1	4058075278288
	LS AY -PM03/E/19X19/10/1	4058075278370
	LS AY -PW01/U/26X8/14/2	4058075401440
	LS AY -PW03/U/26X26/14/2	4058075401501
	LS AY -PW01/U/26X8/14/1	4058075278103
	LS AY -PF03/UW/25X7/12/1	4058075278257

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Product image	Product name	EAN
	LS AY -PW02/UW/39X26/14/1	4058075278134
	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 -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 -PM04/UW/23X15,5/10/2	4058075401747
	LS AY -PM05/U/17,5X14,5/10/2	4058075401778
	LS AY -PM02/R/18X15,5/10/2	4058075401686

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Product image	Product name	EAN
	LS AY -PM03/E/19X19/10/2	4058075401716
	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	LED STRIP PERFORMANCE-1000 COB -1000
PDF	Legal information	LED STRIP COB
PDF	Declarations of conformity	LS PFM COB

	Photometric and lighting design files	Document name
IES	IES file (IES)	LS PFM-1000-COB-940-5
LDT	LDT file (Eulumdat)	LS PFM-1000-COB-940-5
	Light distribution curve type polar	LS PFM-1000-COB-940-5

	Tender texts	Document name
TXT	Tender documents	LED STRIP PERFORMANCE COB 1000 COB 940 5-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075597549	Folding box 1	242 mm x 242 mm x 26 mm	335.00 g	1.52 dm^3
4058075600751	Shipping box 10	260 mm x 260 mm x 265 mm	3741.00 g	17.91 dm^3

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Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075600768	Shipping box 40	540 mm x 288 mm x 563 mm	16364.00 g	87.56 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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