

# 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



### 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](http://www.ledvance.com/dim)



## TECHNICAL DATA

### Electrical data

|                           |                      |
|---------------------------|----------------------|
| Nominal wattage           | 38.00 W              |
| Construction wattage      | 38.00 W              |
| Nominal wattage per meter | 11.0 W <sup>1)</sup> |
| Nominal voltage           | 24 V                 |
| Input voltage range       | 23...25 V            |
| Reverse Voltage           | 144 V                |
| Type of current           | DC                   |
| Nominal current           | 1600 mA              |

<sup>1)</sup> Value based on first meter of the product

### Photometrical data

|                                      |                       |
|--------------------------------------|-----------------------|
| Luminous efficacy                    | 97 lm/W <sup>1)</sup> |
| Luminous flux                        | 3300 lm               |
| Luminous flux per meter              | 1040 lm <sup>1)</sup> |
| Color temperature                    | 4000 K                |
| Color rendering index Ra             | > 90                  |
| Light color LED                      | Cool White            |
| Light color (designation)            | 4000 K                |
| Standard deviation of color matching | ≤5 sdcn               |

<sup>1)</sup> 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  |

## 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 <sup>2</sup> |
| 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 <sup>1)</sup> |
| Lowest bending radius | 10 mm             |
| Self-adhesive         | Yes               |

<sup>1)</sup> Dimmable with suitable drivers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim)

### Certificates & Standards

|                                          |                              |
|------------------------------------------|------------------------------|
| Approval marks – approval                | CE / TUV                     |
| Protection class                         | III                          |
| Type of protection                       | IP00                         |
| Energy consumption                       | 5.50 kWh/1000h <sup>1)</sup> |
| Energy class of contained light source   | F                            |
| Salt mist resistance acc. IEC 60068-2-52 | No                           |
| UV resistance acc. IEC 60068-2-5         | No                           |

<sup>1)</sup> Value based on 0.5 meter

### LOGISTICAL DATA

Temperature range at storage

-40...+85 °C

## 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 |
|   | 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 |
|  | DR DIM-PFM -60/220-240/24/P  | 4058075240018 |
|   | LS AY -PF01/UW/22X6/10/2     | 4058075401532 |
|   | LS AY -PF02/U/16X5/10/2      | 4058075401563 |

| Product image                                                                       | Product name              | EAN           |
|-------------------------------------------------------------------------------------|---------------------------|---------------|
|     | 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 |
|   | LS AY -PW02/UW/39X26/14/1 | 4058075278134 |
|   | LS AY -PW02/UW/39X26/14/2 | 4058075401471 |
|   | LS AY -PW03/U/26X26/14/1  | 4058075278165 |
|  | DR-PFM -250/220-240/24/P  | 4058075240032 |

| Product image                                                                       | Product name                 | EAN           |
|-------------------------------------------------------------------------------------|------------------------------|---------------|
|    | DR-PFM -100/220-240/24/P     | 4058075239937 |
|    | DR-PFM -150/220-240/24/P     | 4058075239975 |
|    | DR-PFM -60/220-240/24/P      | 4058075239913 |
|    | DR DIM-PFM -250/220-240/24/P | 4058075240155 |
|    | DR-VAL -60/220-240/24        | 4058075240094 |
|  | 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 |
|   | LS AY PFM -CSW-P2-50-COB     | 4058075654099 |
|  | DR-VAL -150/220-240/24       | 4058075240179 |
|   | LS AY PFM -CP-P2-500 COB     | 4058075654075 |

| Product image                                                                     | Product name                | EAN           |
|-----------------------------------------------------------------------------------|-----------------------------|---------------|
|  | 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 | LED STRIP PERFORMANCE-1000 COB -1000 |
|  Legal information                      | LED STRIP COB                        |
|  Declarations of conformity             | LS PFM COB                           |

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

| Tender texts                                                                                        | Document name                               |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------|
|  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<br>1             | 242 mm x 242 mm x 26 mm              | 335.00 g     | 1.52 dm <sup>3</sup>  |
| 4058075600751 | Shipping box<br>10           | 260 mm x 260 mm x 265 mm             | 3741.00 g    | 17.91 dm <sup>3</sup> |
| 4058075600768 | Shipping box<br>40           | 540 mm x 288 mm x 563 mm             | 16364.00 g   | 87.56 dm <sup>3</sup> |

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.

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## DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.