

# PRODUCT DATASHEET

## DR-PFM -100/220-240/24/P

LED DRIVER OUTDOOR PERFORMANCE | Constant voltage outdoor LED driver



### AREAS OF APPLICATION

- Suitable for indoor and outdoor installations
- Facade and building illumination
- Ideal for illuminating public spaces
- Bathrooms, kitchens and outdoor areas
- Offices, shopping centers, hospitals, restaurants, hotels

### PRODUCT BENEFITS

- Perfectly matched to 24 V LED flexible strips
- 5 years guarantee
- Very stable output power
- Quick and simple installation due to prewiring
- High efficiency and reliability
- Installation in very cold and hot environments

### PRODUCT FEATURES

- Available in 30 W, 60 W, 100 W, 150 W and 250 W
- Lifetime: up to 50,000 h (at max. tc temperature)
- Type of protection: IP66
- Operating temperature range at ta: -40...50 °C
- Supply voltage: 220...240 V
- Operating frequency: 50/60 Hz
- Surge protection: up to 4 kV (L-N) for 30W/60W, 6 kV (L-N) / 6 kV (L/N-PE) for 100W/150W/250W
- Short-circuit and overload protection

**TECHNICAL DATA**

Electrical data

Nominal output power	100 W <sup>1)</sup>
Input voltage AC	198...264 V <sup>2)</sup>
Mains frequency	50/60 Hz
Nominal output voltage	24 V <sup>3)</sup>
Nominal voltage	220...240 V
Device power loss	13 W <sup>4)</sup>
Power factor $\lambda$	0.95 <sup>5)</sup>
ECG efficiency	89 % <sup>6)</sup>
Inrush current	46 A <sup>7)</sup>
Max. ECG no. on circuit breaker 10 A (B)	13
Max. ECG no. on circuit breaker 16 A (B)	16
Max. ECG no. on circuit breaker 25 A (B)	25
Galvanic isolation primary/secondary	3.75 kV
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	6 kV
Nominal output current	4170 mA <sup>8)</sup>
U-OUT (working voltage)	24 V

<sup>1)</sup> From 0 to 100 W

<sup>2)</sup> Permitted voltage range

<sup>3)</sup> Maximum 24 V

<sup>4)</sup> At maximum LED load of 100 W

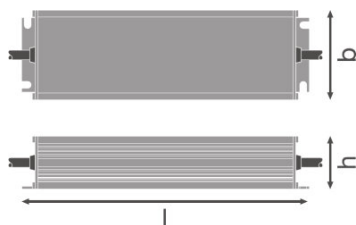
<sup>5)</sup> Full load at 230 V

<sup>6)</sup> At full load and 230 V

<sup>7)</sup>  $t_{width} = 11.6 \mu s$  (measured at 50 %  $I_{peak}$ )

<sup>8)</sup>  $\pm 10\%$

Dimensions & weight



Length	197.0 mm
Width	63.0 mm

<b>Height</b>	38.0 mm
<b>Product weight</b>	840.00 g
<b>Cable cross-section, input side</b>	1.0 mm <sup>2</sup>
<b>Mounting hole spacing, width</b>	34.0 mm
<b>Cable cross-section, output side</b>	1.0 mm <sup>2</sup>
<b>Mounting hole spacing, length</b>	188.0 mm
<b>Prewired</b>	Yes

### Colors & materials

<b>Body material</b>	Metal
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### Temperatures & operating conditions

<b>Ambient temperature range</b>	-40...+50 °C
<b>Permitted rel. humidity during operation</b>	20...95 % <sup>1)</sup>
<b>Maximum temperature at tc test point</b>	80 °C
<b>Max.housing temperature in case of fault</b>	110 °C

<sup>1)</sup> Maximum 56 days/year at 95%

### Lifespan

<b>ECG lifetime</b>	50000 h <sup>1)</sup>
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<sup>1)</sup> At maximum  $T_c = 80^\circ\text{C}$  / 10% failure rate

### Additional product data

<b>Encapsulated</b>	Yes
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### Capabilities

<b>Dimmable</b>	No
<b>Suitable for fixtures with prot. class</b>	I
<b>Overheating protection</b>	Yes
<b>Overload protection</b>	No
<b>Short-circuit protection</b>	Yes
<b>Suitable for no-load mode operation</b>	Yes
<b>Max. cable length to lamp/LED module</b>	10 m




### Certificates & standards

<b>Type of protection</b>	IP66
<b>Standards</b>	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384
<b>Approval marks – approval</b>	CE / TUV

### Logistical data

Temperature range at storage	-40...+80 °C
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## DOWNLOAD DATA

File
 User instruction LED DRIVER OUTDOOR PFM
 Product Datasheet DR-PFM-100220-24024P
 Declarations of conformity EU Declaration of Conformity 3581723

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075239944	Shipping carton box 10	273 mm x 196 mm x 263 mm	9413.00 g	14.07 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.

## REFERENCES / LINKS

For Guarantee see

▶ [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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