

# PRODUCT DATASHEET

## DR DIM-PFM -20/220-240/24/P

**LED DRIVER 1-10 V DIM OUTDOOR PERFORMANCE | Constant voltage outdoor LED driver with 1-10 V dimming interface**



### 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 20 W, 40 W, 60 W, 100 W, 150 W and 250 W
- Dimmable via 1...10 V dimming control
- Dimmable from 10...100 %
- 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 6 kV (L-N), 6 kV (L/N-PE)
- Short-circuit and overload protection

**TECHNICAL DATA**

Electrical data

Nominal output power	20 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	4.1 W <sup>4)</sup>
Power factor $\lambda$	0.90 <sup>5)</sup>
ECG efficiency	85 % <sup>6)</sup>
Inrush current	40 A <sup>7)</sup>
Max. ECG no. on circuit breaker 10 A (B)	14
Max. ECG no. on circuit breaker 16 A (B)	18
Max. ECG no. on circuit breaker 25 A (B)	29
Nominal output current	830 mA <sup>8)</sup>
Galvanic isolation primary/secondary	3.75 kV
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	6 kV
U-OUT (working voltage)	24 V

<sup>1)</sup> From 0 to 20 W

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

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

<sup>4)</sup> At maximum LED load of 20 W

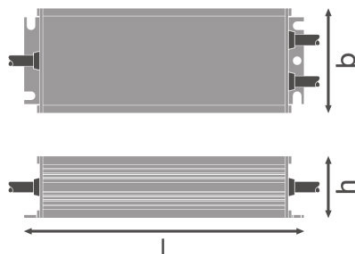
<sup>5)</sup> Full load at 230 V

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

<sup>7)</sup>  $t_{width} = 5.4 \mu s$  (measured at 50 %  $I_{peak}$ )

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

Dimensions & weight



Length	166.0 mm
Width	63.0 mm

<b>Height</b>	38.0 mm
<b>Product weight</b>	645.00 g
<b>Mounting hole spacing, length</b>	151.0 mm
<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>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>	65 °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<sub>c</sub> = 65°C / 10% failure rate

### Additional product data

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

<b>Dimmable</b>	Yes
<b>Suitable for fixtures with prot. class</b>	I / II
<b>Overheating protection</b>	No
<b>Overload protection</b>	No
<b>Short-circuit protection</b>	Yes
<b>Max. cable length to lamp/LED module</b>	10 m
<b>Dimming interface</b>	1...10 V
<b>Suitable for no-load mode operation</b>	Yes


### 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 DIM OUTDOOR PFM

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075239968	Shipping carton box 10	208 mm x 182 mm x 278 mm	7055.00 g	10.52 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)

**DISCLAIMER**

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