

# PRODUCT DATASHEET

## DR-PFM -30/220-240/24/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                     | 30 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                        | 4.5 W <sup>4)</sup>       |
| Power factor $\lambda$                   | 0.90 <sup>5)</sup>        |
| ECG efficiency                           | 87 % <sup>6)</sup>        |
| Inrush current                           | 37 A <sup>7)</sup>        |
| Max. ECG no. on circuit breaker 10 A (B) | 16                        |
| Max. ECG no. on circuit breaker 16 A (B) | 20                        |
| Max. ECG no. on circuit breaker 25 A (B) | 31                        |
| Galvanic isolation primary/secondary     | 3.75 kV                   |
| Surge capability (L/N-Ground)            | 6 kV                      |
| Surge capability (L-N)                   | 4 kV                      |
| Nominal output current                   | 1250 mA <sup>8)</sup>     |
| U-OUT (working voltage)                  | 24 V                      |

<sup>1)</sup> From 0 to 30 W

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

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

<sup>4)</sup> At maximum LED load of 30 W

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

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

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

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

### Dimensions & weight



|        |          |
|--------|----------|
| Length | 148.0 mm |
| Width  | 40.0 mm  |

|   |                     |
|---|---------------------|
| <b>Height</b>                           | 32.0 mm             |
| <b>Product weight</b>                   | 330.00 g            |
| <b>Cable cross-section, input side</b>  | 1.0 mm <sup>2</sup> |
| <b>Mounting hole spacing, width</b>     | 28.0 mm             |
| <b>Cable cross-section, output side</b> | 1.0 mm <sup>2</sup> |
| <b>Mounting hole spacing, length</b>    | 136.0 mm            |
| <b>Prewired</b>                         | Yes                 |

### Colors & materials

|                      |         |
|----------------------|---------|
| <b>Body material</b> | Plastic |
|----------------------|---------|

### 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                   |

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

### Lifespan

|                     |                       |
|---------------------|-----------------------|
| <b>ECG lifetime</b> | 50000 h <sup>1)</sup> |
|---------------------|-----------------------|

<sup>1)</sup> At maximum T<sub>c</sub> = 80°C / 10% failure rate

### Additional product data

|                     |     |
|---------------------|-----|
| <b>Encapsulated</b> | Yes |
|---------------------|-----|

### Capabilities

|   |        |
|---|--------|
| <b>Dimmable</b>                               | No     |
| <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>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

|                                     |              |
|-------------------------------------|--------------|
| <b>Temperature range at storage</b> | -40...+80 °C |
|-------------------------------------|--------------|

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**DOWNLOAD DATA**

| File  |  |
|---|--|
|  | User instruction<br>LED DRIVER OUTDOOR PFM |

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**LOGISTICAL DATA**

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075239906 | Shipping carton box<br>10    | 227 mm x 132 mm x 233 mm             | 3734.00 g    | 6.98 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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**REFERENCES / LINKS**

For Guarantee see

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

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**DISCLAIMER**

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