

# PRODUCT DATASHEET DR DIM-PFM -40/220-240/24/P

LED DRIVER 1-10 V DIM 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 overlaod protection

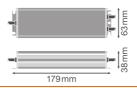
# **TECHNICAL DATA**

# **Electrical data**

Nominal wattage	40.00 W
Nominal output power	40 W <sup>1)</sup>
Nominal voltage	220240 V
Nominal output voltage	24 V <sup>2)</sup>
Input voltage AC	198264 V <sup>3)</sup>
U-OUT (working voltage)	24 V
Type of current	DC
Nominal current	215 mA
Nominal output current	1670 mA <sup>4)</sup>
Inrush current	38 A
Output ripple current (100 Hz)	5.88 %
Mains frequency	5060 Hz
Total harmonic distortion	< 20 % <sup>5)</sup>
Power factor $\lambda$	0.93 6)
ECG efficiency	88 % 7)
Device power loss	5.5 W <sup>8)</sup>
Max. ECG no. on circuit breaker 10 A (B)	15
Max. ECG no. on circuit breaker 16 A (B)	19
Max. ECG no. on circuit breaker 25 A (B)	30
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	6 kV
Galvanic isolation	SELV

- 1) From 0 to 40 W
- 2) <sub>Maximum 24 V</sub>
- 3) Permitted voltage range
- 4) ±10%
- 5) At full load, 220...240 V, 50 Hz
- 6) Full load at 230 V
- 7) At full load and 230  $\rm V$
- 8) At maximum LED load of 40 W

# Dimensions & Weight



Length	179.00 mm
Mounting hole spacing, length	170,0 mm
Width	63.00 mm
Height	38.00 mm
Cable cross-section, input side	1 mm²
Cable cross-section, output side	1 mm²
Prewired	Yes
Product weight	740.00 g

#### Colors & materials

Product color	Aluminum
Casing material	Metal
Body material	Metal

# Temperatures & operating conditions

Ambient temperature range	-40+50 °C
Maximum temperature at tc test point	75 °C
Temperature range in operation	-40+50 °C
Permitted rel. humidity during operation	2095 % <sup>1)</sup>

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

# Lifespan

ECG lifetime	50000 h <sup>1)</sup>
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<sup>1)</sup> At maximum  $T_c = 75$  °C / 10% failure rate

# Additional product data

Encapsulated	Yes
Capabilities	
Dimmable	Yes
Dimming interface	110 V

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Dimming range	10100 %
Overheating protection	No
Overload protection	No
Short-circuit protection	Yes
Max. cable length to lamp/LED module	10 m
Suitable for fixtures with prot. class	1/11

Suitable for emergency lighting	No
Type of connection, output side	Cables

## Certificates & Standards

Approval marks – approval	CE / TUV	
Standards	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	
Protection class	П	
Type of protection	IP66	

# **LOGISTICAL DATA**

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

	Documents and certificates
PDF	User instruction
PDF	Declarations Of Conformity CE

### **LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075379176	Folding box 1	237 mm x 89 mm x 47 mm	793.00 g	0.99 dm³
4058075379183	Shipping box 10	254 mm x 196 mm x 263 mm	8307.00 g	13.09 dm³

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

# **DISCLAIMER**

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