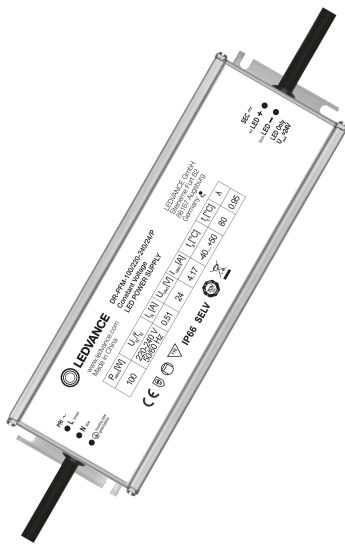


PRODUCT DATASHEET

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

LED DRIVER OUTDOOR PERFORMANCE | Constant voltage outdoor LED driver



PERFOR-
MANCE
CLASS

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 wattage	100.00 W
Nominal output power	100 W ¹⁾
Nominal voltage	220...240 V
Nominal output voltage	24 V ²⁾
Input voltage AC	198...264 V ³⁾
U-OUT (working voltage)	24 V
Type of current	DC
Nominal current	525 mA
Nominal output current	4170 mA ⁴⁾
Inrush current	46 A
Output ripple current (100 Hz)	5.21 %
Mains frequency	50...60 Hz
Total harmonic distortion	< 20 % ⁵⁾
Power factor λ	0.95 ⁶⁾
ECG efficiency	89 % ⁷⁾
Device power loss	13 W ⁸⁾
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
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	6 kV
Galvanic isolation	SELV

1) From 0 to 100 W

2) Maximum 24 V

3) Permitted voltage range

4) $\pm 10\%$

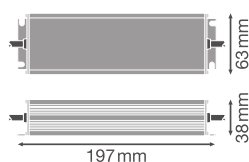
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) At maximum LED load of 100 W

Dimensions & Weight



Length	197.00 mm
Mounting hole spacing, length	188,0 mm
Width	63.00 mm
Height	38.00 mm
Cable cross-section, input side	1 mm ²
Cable cross-section, output side	1 mm ²
Prewired	Yes
Product weight	840.00 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	80 °C
Max.housing temperature in case of fault	110 °C
Temperature range in operation	-40...+50 °C
Permitted rel. humidity during operation	20...95 % ¹⁾

¹⁾ Maximum 56 days/year at 95%

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At maximum T_c = 80°C / 10% failure rate

Additional product data

Encapsulated	Yes
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Capabilities

Dimmable	No
Dimming interface	Not dimmable
Overheating protection	Yes
Overload protection	No
Short-circuit protection	Yes
Max. cable length to lamp/LED module	10 m
Suitable for fixtures with prot. class	I

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	I
Type of protection	IP66

LOGISTICAL DATA













Temperature range at storage	-40...+80 °C
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Accessories Optional










Product image	Product name	EAN
	LS PFM -2000/827/5/IP66	4058075236462
	LS VAL -300/827/5	4058075296060
	LS VAL -1000/865/5/IP65	4058075296510
	LS SUP -800/927/5/IP67	4058075237360
	LS PFM -1000/827/5	4058075235960
	LS PFM -1500/830/5/IP66	4058075236325
	LS VAL -1000/840/5	4058075296367

Product image	Product name	EAN
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	LS PFM -2000/865/5	4058075236202
	LS VAL -1000/830/5	4058075296336
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	LS SUP -500/927/5/IP67	4058075237261
	LS PFM -1500/827/5/IP66	4058075236301
	LS SUP -800/960/5/IP67	4058075237421
	LS VAL -1400/827/5	4058075296848
	LS SUP -1200/940/5/IP67	4058075236844
	LS SUP -2000/927/3.5	4058075236769
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	LS VAL -300/840/5/IP65	4058075296244
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	LS SUP -800/930/5	4058075237223













Product image	Product name	EAN
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	LS PFM -600/840/5/IP66	4058075236981
	LS VAL -300/840/5	4058075296121
	LS VAL -1400/830/5/IP65	4058075296725
	LS SUP -2000/940/3.5/IP67	4058075237162
	LS SUP -1200/927/5	4058075236646
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	LS PFM -600/830/5/IP66	4058075236967




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	LS SUP -2000/930/3.5/IP67	4058075237148
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	LS PFM -1500/827/5	4058075236141
	LS PFM -2000/830/5	4058075236165
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	LS PFM -1000/830/5/IP66	4058075236066

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	LS SUP -500/930/5	4058075237063
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	LS SUP -1200/927/5/IP67	4058075236783
	LS VAL -300/827/5/IP65	4058075296183
	LS SUP -500/965/5	4058075237100
	LS SUP -2000/960/3.5/IP67	4058075237209
	LS VAL -1400/840/5	4058075296909
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	LS PFM -300/827/5/IP66	4058075236622
	LS SUP -2000/927/3.5/IP67	4058075237124



Product image	Product name	EAN
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	LS SUP -2000/940/3.5	4058075236905
	LS SUP -500/940/5/IP67	4058075237322
	LS SUP -1200/940/5	4058075236721
	LS VAL -600/830/5	4058075296787
	LS PFM -1500/830/5	4058075236226
	LS VAL -1400/865/5/IP65	4058075296817
	LS SUP -800/965/5	4058075237308
	LS SUP -2000/930/3.5	4058075236882
	LS PFM -2000/830/5/IP66	4058075236509

Product image	Product name	EAN
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	LS PFM -300/830/5/IP66	4058075236660
	LS VAL -600/865/5/IP65	4058075296633

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- Disconnect mains before installation.
- Do not open enclosure-housing.

DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	LED DRIVER OUTDOOR PFM
 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
4058075239937	Folding box 1	256 mm x 89 mm x 47 mm	902.00 g	1.07 dm ³
4058075239944	Shipping box 10	273 mm x 196 mm x 263 mm	9413.00 g	14.07 dm ³

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

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