

# PRODUCT DATASHEET

## DR-PFM -150/220-240/24/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 wattage	150.00 W
Nominal output power	150 W <sup>1)</sup>
Nominal voltage	220...240 V
Nominal output voltage	24 V <sup>2)</sup>
Input voltage AC	198...264 V <sup>3)</sup>
U-OUT (working voltage)	24 V
Type of current	DC
Nominal current	780 mA
Nominal output current	6250 mA <sup>4)</sup>
Inrush current	45 A
Output ripple current (100 Hz)	8.33 %
Mains frequency	50...60 Hz
Total harmonic distortion	< 20 % <sup>5)</sup>
Power factor $\lambda$	0.95 <sup>6)</sup>
ECG efficiency	88 % <sup>7)</sup>
Device power loss	20 W <sup>8)</sup>
Max. ECG no. on circuit breaker 10 A (B)	10
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 150 W

2) Maximum 24 V

3) Permitted voltage range

4)  $\pm 10\%$

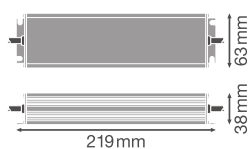
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) At maximum LED load of 150 W

### Dimensions & Weight



Length	219.00 mm
Mounting hole spacing, length	210,0 mm
Width	63.00 mm
Height	38.00 mm
Cable cross-section, input side	1 mm <sup>2</sup>
Cable cross-section, output side	1.5 mm <sup>2</sup>
Prewired	Yes
Product weight	970.00 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	90 °C
Max.housing temperature in case of fault	110 °C
Temperature range in operation	-40...+50 °C
Permitted rel. humidity during operation	20...95 % <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  $T_c = 90^\circ\text{C}$  / 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 VAL -300/865/5/IP65	4058075296275
	LS PFM -600/830/5	4058075236448
	LS SUP -800/965/5	4058075237308
	LS SUP -800/940/5	4058075237247
	LS PFM -300/830/5/IP66	4058075236660
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Product image	Product name	EAN
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	LS SUP -500/965/5	4058075237100
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	LS VAL -600/865/5	4058075296992
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	LS VAL -1400/830/5/IP65	4058075296725
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	LS VAL -600/840/5	4058075296930
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	LS PFM -1000/830/5	4058075235984

Product image	Product name	EAN
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	LS PFM -2000/830/5/IP66	4058075236509
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	LS SUP -2000/940/3.5/IP67	4058075237162

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	LS SUP -800/960/5/IP67	4058075237421
	LS PFM -1500/840/5	4058075236240
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	LS SUP -500/940/5	4058075237087
	LS PFM -300/865/5	4058075236585

Product image	Product name	EAN
	LS SUP -1200/930/5	4058075236684
	LS PFM -1000/840/5	4058075236004
	LS VAL -600/830/5/IP65	4058075296572

DOWNLOAD DATA

Documents and certificates	Document name
User Instruction	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
4058075239975	Folding box 1	277 mm x 89 mm x 47 mm	1028.00 g	1.16 dm <sup>3</sup>
4058075239982	Shipping box 10	294 mm x 196 mm x 263 mm	10691.00 g	15.16 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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