

# PRODUCT DATASHEET

## DR-PFM -60/220-240/24/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	60.00 W
Nominal output power	60 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	314 mA
Nominal output current	2500 mA <sup>4)</sup>
Inrush current	44 A
Output ripple current (100 Hz)	5.39 %
Mains frequency	50...60 Hz
Total harmonic distortion	< 20 % <sup>5)</sup>
Power factor $\lambda$	0.93 <sup>6)</sup>
ECG efficiency	88 % <sup>7)</sup>
Device power loss	7.7 W <sup>8)</sup>
Max. ECG no. on circuit breaker 10 A (B)	13
Max. ECG no. on circuit breaker 16 A (B)	17
Max. ECG no. on circuit breaker 25 A (B)	26
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	4 kV
Galvanic isolation	SELV

1) From 0 to 60 W

2) Maximum 24 V

3) Permitted voltage range

4)  $\pm 10\%$

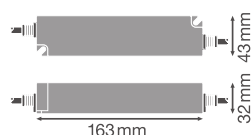
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) At maximum LED load of 60 W

Dimensions & Weight



Length	163.00 mm
Mounting hole spacing, length	150.3 mm
Width	43.00 mm
Height	32.00 mm
Cable cross-section, input side	1 mm <sup>2</sup>
Cable cross-section, output side	1 mm <sup>2</sup>
Prewired	Yes
Product weight	410.00 g

### Colors & materials

Product color	White
Casing material	Plastic
Body material	Plastic

### Temperatures & operating conditions

Ambient temperature range	-40...+50 °C
Maximum temperature at tc test point	90 °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	No
Overload protection	No
Short-circuit protection	Yes
Max. cable length to lamp/LED module	10 m
Suitable for fixtures with prot. class	I / II
Suitable for emergency lighting	No

Type of connection, output side	Cables
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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	II
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 -1000/830/5	4058075235984
	LS PFM -1500/830/5	4058075236226
	LS PFM -1000/865/5/IP66	4058075236103
	LS VAL -1000/840/5/IP65	4058075296480
	LS PFM -300/865/5	4058075236585
	LS PFM -600/827/5/IP66	4058075236943
	LS PFM -600/865/5/IP66	4058075237001
	LS VAL -600/840/5	4058075296930



Product image	Product name	EAN
	LS VAL -1400/827/5/IP65	4058075296695
	LS VAL -300/827/5	4058075296060
	LS VAL -600/865/5	4058075296992
	LS PFM -1500/827/5/IP66	4058075236301
	LS PFM -1000/865/5	4058075236028
	LS SUP -500/965/5	4058075237100
	LS PFM -1000/827/5/IP66	4058075236042
	LS VAL -300/840/5/IP65	4058075296244
	LS SUP -500/930/5/IP67	4058075237285
	LS VAL -600/830/5	4058075296787
	LS VAL -300/830/5	4058075296091
	LS PFM -1500/840/5	4058075236240

Product image	Product name	EAN
	LS PFM -300/865/5/IP66	4058075236707
	LS SUP -500/940/5	4058075237087
	LS VAL -1400/840/5	4058075296909
	LS SUP -500/927/5/IP67	4058075237261
	LS SUP -500/927/5	4058075237049
	LS SUP -800/927/5/IP67	4058075237360
	LS PFM -300/827/5/IP66	4058075236622
	LS PFM -300/830/5/IP66	4058075236660
	LS SUP -500/960/5/IP67	4058075237346
	LS SUP -500/930/5	4058075237063
	LS PFM -300/830/5	4058075236424
	LS PFM -600/865/5	4058075236547

Product image	Product name	EAN
	LS VAL -1000/865/5/IP65	4058075296510
	LS PFM -300/827/5	4058075236387
	LS VAL -300/830/5/IP65	4058075296213
	LS VAL -1000/827/5	4058075296305
	LS PFM -1500/830/5/IP66	4058075236325
	LS VAL -1400/830/5/IP65	4058075296725
	LS PFM -600/830/5/IP66	4058075236967
	LS SUP -500/940/5/IP67	4058075237322
	LS VAL -600/840/5/IP65	4058075296602
	LS SUP -800/927/5	4058075237186
	LS VAL -1000/865/5	4058075296398
	LS SUP -800/940/5/IP67	4058075237407

Product image	Product name	EAN
	LS VAL -1000/840/5	4058075296367
	LS PFM -1000/840/5/IP66	4058075236080
	LS VAL -1400/830/5	4058075296879
	LS VAL -1400/840/5/IP65	4058075296756
	LS PFM -1000/840/5	4058075236004
	LS SUP -800/940/5	4058075237247
	LS VAL -1400/865/5	4058075296961
	LS VAL -1400/827/5	4058075296848
	LS PFM -600/827/5	4058075236400
	LS PFM -300/840/5	4058075236523
	LS VAL -300/827/5/IP65	4058075296183
	LS VAL -600/827/5/IP65	4058075296541





Product image	Product name	EAN
	LS SUP -800/930/5/IP67	4058075237384
	LS VAL -300/865/5	4058075296152
	LS PFM -1500/865/5/IP66	4058075236363
	LS VAL -300/865/5/IP65	4058075296275
	LS SUP -800/930/5	4058075237223
	LS VAL -1000/830/5	4058075296336
	LS PFM -600/840/5	4058075236486
	LS PFM -1500/865/5	4058075236264
	LS VAL -300/840/5	4058075296121
	LS PFM -1500/840/5/IP66	4058075236349
	LS PFM -600/840/5/IP66	4058075236981
	LS VAL -600/830/5/IP65	4058075296572

Product image	Product name	EAN
	LS VAL -1000/827/5/IP65	4058075296428
	LS VAL -600/827/5	4058075296664
	LS PFM -600/830/5	4058075236448
	LS PFM -1000/830/5/IP66	4058075236066
	LS PFM -300/840/5/IP66	4058075236806
	LS PFM -1000/827/5	4058075235960
	LS PFM -1500/827/5	4058075236141
	LS VAL -1400/865/5/IP65	4058075296817
	LS SUP -800/960/5/IP67	4058075237421
	LS VAL -1000/830/5/IP65	4058075296459
	LS VAL -600/865/5/IP65	4058075296633
	LS SUP -800/965/5	4058075237308

### 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
4058075239913	Folding box 1	221 mm x 69 mm x 41 mm	447.00 g	0.63 dm <sup>3</sup>
4058075239920	Shipping box 10	238 mm x 156 mm x 233 mm	4739.00 g	8.65 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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