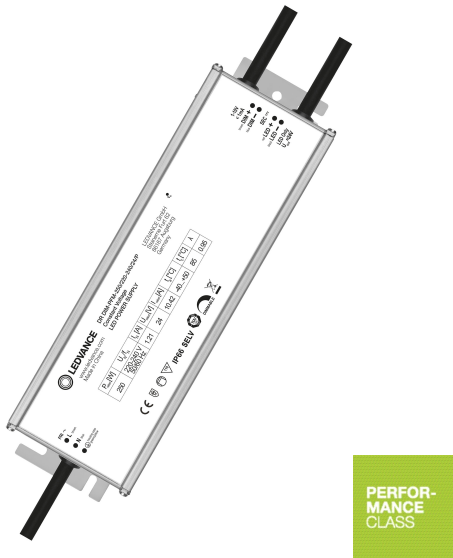


PRODUCT DATASHEET

DR DIM-PFM -250/220-240/24/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 overload protection

TECHNICAL DATA

Electrical data

Nominal wattage	250.00 W
Nominal output power	250 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	1242 mA
Nominal output current	10420 mA ⁴⁾
Inrush current	67 A
Output ripple current (100 Hz)	2.72 %
Mains frequency	50...60 Hz
Total harmonic distortion	< 20 % ⁵⁾
Power factor λ	0.95 ⁶⁾
ECG efficiency	91 % ⁷⁾
Device power loss	23 W ⁸⁾
Max. ECG no. on circuit breaker 10 A (B)	6
Max. ECG no. on circuit breaker 16 A (B)	10
Max. ECG no. on circuit breaker 25 A (B)	16
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	6 kV
Galvanic isolation	SELV

1) From 0 to 250 W

2) Maximum 24 V

3) Permitted voltage range

4) $\pm 10\%$

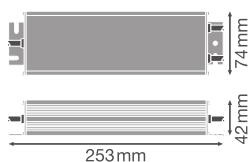
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) At maximum LED load of 250 W

Dimensions & Weight



Length	253.00 mm
Mounting hole spacing, length	235 mm
Width	74.00 mm
Height	42.00 mm
Cable cross-section, input side	1 mm ²
Cable cross-section, output side	1.5 mm ²
Prewired	Yes
Product weight	1250.00 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	85 °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⁾
--------------	-----------------------

¹⁾ At maximum T_c = 85°C / 10% failure rate

Additional product data

Encapsulated	Yes
--------------	-----

Capabilities

Dimmable	Yes
Dimming interface	1...10 V
Dimming range	10...100 %
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
------------------------------	--------------

Accessories Optional

Product image	Product name	EAN
	LS PFM -1500/840/5/IP66	4058075236349
	LS VAL -1000/840/5	4058075296367
	LS PFM -1000/865/5	4058075236028
	LS SUP -500/940/5	4058075237087
	LS PFM -1000/830/5/IP66	4058075236066
	LS SUP -1200/927/5/IP67	4058075236783
	LS VAL -600/865/5/IP65	4058075296633

Product image	Product name	EAN
	LS PFM -2000/830/5/IP66	4058075236509
	LS PFM -2000/830/5/IP66	4058075371873
	LS VAL -300/840/5/IP65	4058075296244
	LS VAL -600/840/5	4058075296930
	LS VAL -600/865/5	4058075296992
	LS VAL -300/865/5	4058075296152
	LS SUP -500/930/5/IP67	4058075237285
	LS PFM -1500/827/5/IP66	4058075236301
	LS SUP -2000/940/3.5/IP67	4058075237162
	LS SUP -500/940/5/IP67	4058075237322
	LS PFM -1000/840/5	4058075236004
	LS VAL -300/830/5	4058075296091

Product image	Product name	EAN
	LS PFM -300/830/5	4058075236424
	LS SUP -1200/930/5/IP67	4058075236820
	LS PFM -600/827/5	4058075236400
	LS PFM -2000/840/5	4058075236189
	LS PFM -1500/830/5/IP66	4058075236325
	LS PFM -2000/840/5/IP66	4058075236561
	LS PFM -2000/840/5/IP66	4058075371903
	LS PFM -600/830/5	4058075236448
	LS SUP -2000/960/3.5/IP67	4058075237209
	LS PFM -300/865/5/IP66	4058075236707
	LS SUP -2000/965/3.5	4058075236929
	LS SUP -500/927/5	4058075237049

Product image	Product name	EAN
	LS SUP -1200/940/5/IP67	4058075236844
	LS PFM -2000/830/5	4058075236165
	LS PFM -600/840/5	4058075236486
	LS SUP -1200/930/5	4058075236684
	LS PFM -600/865/5	4058075236547
	LS SUP -800/960/5/IP67	4058075237421
	LS VAL -1000/865/5/IP65	4058075296510
	LS VAL -600/830/5	4058075296787
	LS VAL -1400/830/5	4058075296879
	LS VAL -1000/827/5/IP65	4058075296428
	LS SUP -800/965/5	4058075237308
	LS VAL -1400/840/5/IP65	4058075296756

Product image	Product name	EAN
	LS VAL -1400/827/5	4058075296848
	LS SUP -2000/927/3.5	4058075236769
	LS VAL -600/840/5/IP65	4058075296602
	LS PFM -600/840/5/IP66	4058075236981
	LS PFM -1000/830/5	4058075235984
	LS PFM -1500/840/5	4058075236240
	LS VAL -1000/830/5/IP65	4058075296459
	LS SUP -2000/940/3.5	4058075236905
	LS SUP -800/930/5/IP67	4058075237384
	LS SUP -800/940/5/IP67	4058075237407
	LS PFM -300/827/5	4058075236387
	LS PFM -600/827/5/IP66	4058075236943

Product image	Product name	EAN
	LS SUP -2000/930/3.5	4058075236882
	LS SUP -800/940/5	4058075237247
	LS SUP -2000/930/3.5/IP67	4058075237148
	LS SUP -800/927/5	4058075237186
	LS PFM -300/865/5	4058075236585
	LS VAL -600/827/5	4058075296664
	LS VAL -300/840/5	4058075296121
	LS SUP -800/930/5	4058075237223
	LS PFM -1000/827/5/IP66	4058075236042
	LS VAL -1000/827/5	4058075296305
	LS VAL -300/827/5/IP65	4058075296183
	LS SUP -500/965/5	4058075237100

Product image	Product name	EAN
	LS VAL -1400/865/5/IP65	4058075296817
	LS PFM -1500/865/5/IP66	4058075236363
	LS VAL -1000/840/5/IP65	4058075296480
	LS PFM -2000/865/5/IP66	4058075236608
	LS SUP -2000/927/3.5/IP67	4058075237124
	LS VAL -300/827/5	4058075296060
	LS PFM -1500/830/5	4058075236226
	LS SUP -1200/965/5	4058075236745
	LS PFM -300/840/5/IP66	4058075236806
	LS VAL -1000/830/5	4058075296336
	LS PFM -1000/827/5	4058075235960
	LS SUP -1200/960/5/IP67	4058075236868

Product image	Product name	EAN
	LS SUP -800/927/5/IP67	4058075237360
	LS SUP -500/930/5	4058075237063
	LS VAL -1400/830/5/IP65	4058075296725
	LS PFM -600/830/5/IP66	4058075236967
	LS PFM -1500/865/5	4058075236264
	LS VAL -1000/865/5	4058075296398
	LS PFM -300/827/5/IP66	4058075236622
	LS VAL -1400/840/5	4058075296909
	LS PFM -1000/840/5/IP66	4058075236080
	LS PFM -300/840/5	4058075236523
	LS PFM -2000/827/5/IP66	4058075236462
	LS VAL -300/830/5/IP65	4058075296213

Product image	Product name	EAN
	LS PFM -1500/827/5	4058075236141
	LS PFM -2000/865/5	4058075236202
	LS SUP -1200/940/5	4058075236721
	LS PFM -1000/865/5/IP66	4058075236103
	LS VAL -600/827/5/IP65	4058075296541
	LS PFM -2000/827/5	4058075236127
	LS PFM -600/865/5/IP66	4058075237001
	LS VAL -600/830/5/IP65	4058075296572
	LS VAL -1400/865/5	4058075296961
	LS PFM -300/830/5/IP66	4058075236660
	LS SUP -1200/927/5	4058075236646
	LS SUP -500/927/5/IP67	4058075237261

Product image	Product name	EAN
	LS SUP -500/960/5/IP67	4058075237346
	LS VAL -1400/827/5/IP65	4058075296695
	LS VAL -300/865/5/IP65	4058075296275

DOWNLOAD DATA

Documents and certificates	Document name
 PDF	User instruction / safety instructions
 PDF	Legal information
 PDF	Declarations of conformity

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075240155	Folding box 1	296 mm x 98 mm x 49 mm	1318.00 g	1.42 dm ³
4058075240162	Shipping box 10	313 mm x 214 mm x 273 mm	13652.00 g	18.29 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

DISCLAIMER

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