

PRODUCT DATASHEET

DR-VAL -120/220-240/24

LED DRIVER VALUE | Constant voltage LED driver



Areas of application

- Cove lighting, even in tight spaces
- Wallwasher effect lighting in living rooms, dining rooms, bedrooms, entrances
- For indoor SELV installations
- Offices, shopping centers, hospitals, restaurants, hotels

Product benefits

- Perfectly matched to 24 V LED flexible strips
- Excellent price/performance ratio
- 3 years guarantee
- Quick and simple installation
- Good efficiency and reliability

Product features

- Available in 30 W, 60 W, 120 W and 150 W
- Integrated cable clamp for independent installation
- Lifetime: up to 35,000 h (at max. tc temperature)
- Type of protection: IP20
- Supply voltage: 220...240 V
- Operating frequency: 50/60 Hz
- Operated with less than 60 V: Safety extra-low voltage (SELV)
- Reversible overtemperature, overload, short-circuit and open-circuit protection

TECHNICAL DATA

Electrical data

Nominal wattage	120.00 W
Nominal output power	120 W ¹⁾
Nominal voltage	220...240 V
Nominal output voltage	24 V ²⁾
Input voltage range	220...240 V
Input voltage AC	198...264 V ³⁾
U-OUT (working voltage)	24 V
Type of current	DC
Nominal current	740 mA
Nominal output current	5000 mA ⁴⁾
Inrush current	62 A
Output ripple current (100 Hz)	< 2 %
Mains frequency	50...60 Hz
Total harmonic distortion	18 % ⁵⁾
Power factor λ	0.90 ⁶⁾
ECG efficiency	90 % ⁷⁾
Device power loss	12 W ⁸⁾
Max. ECG no. on circuit breaker 10 A (B)	4
Max. ECG no. on circuit breaker 16 A (B)	7
Max. ECG no. on circuit breaker 25 A (B)	10
Surge capability (L-N)	1 kV
Galvanic isolation	SELV

1) From 0 to 120 W

2) Maximum 24 V

3) Permitted voltage range

4) $\pm 10\%$

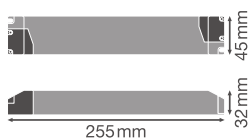
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) At maximum LED load of 120 W

Dimensions & Weight



Length	255.00 mm
Mounting hole spacing, length	244.5 mm
Width	45.00 mm
Height	32.00 mm
Cable cross-section, input side	0.5...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Prewired	No
Wire preparation length, input side	5...6 mm
Wire preparation length, output side	5...6 mm
Product weight	406.00 g

Colors & materials

Product color	White
Casing material	Plastic
Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	90 °C
Max.housing temperature in case of fault	95 °C
Temperature range in operation	-20...+40 °C
Permitted rel. humidity during operation	10...90 % ¹⁾

¹⁾ Maximum 56 days/year at 90%

Lifespan

ECG lifetime	35000 h ¹⁾
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¹⁾ At maximum T_c = 90°C / 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	No
Dimming interface	Not dimmable
Overheating protection	No
Overload protection	Yes
Short-circuit protection	Yes

Max. cable length to lamp/LED module	2,0 m
Suitable for fixtures with prot. class	I / II
Suitable for emergency lighting	No
Type of connection, output side	Screw terminal

Certificates & Standards

Approval marks – approval	CE
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	IP20

LOGISTICAL DATA

Temperature range at storage	-20...+75 °C
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Accessories Optional

Product image	Product name	EAN
	LS SUP -1200/965/5	4058075236745
	LS PFM -600/830/5	4058075236448
	LS SUP -1200/930/5	4058075236684
	LS PFM -2000/827/5	4058075236127
	LS VAL -1400/830/5/IP65	4058075296725
	LS VAL -1400/865/5/IP65	4058075296817
	LS PFM -2000/865/5/IP66	4058075236608

Product image	Product name	EAN
	LS SUP -500/960/5/IP67	4058075237346
	LS VAL -300/830/5	4058075296091
	LS VAL -300/827/5/IP65	4058075296183
	LS PFM -300/830/5/IP66	4058075236660
	LS SUP -2000/960/3.5/IP67	4058075237209
	LS VAL -1000/865/5	4058075296398
	LS SUP -500/930/5/IP67	4058075237285
	LS PFM -1000/827/5/IP66	4058075236042
	LS PFM -1500/865/5/IP66	4058075236363
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Product image	Product name	EAN
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	LS PFM -2000/827/5/IP66	4058075236462
	LS VAL -600/830/5	4058075296787
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	LS PFM -2000/830/5/IP66	4058075371873
	LS SUP -500/965/5	4058075237100
	LS SUP -800/927/5/IP67	4058075237360
	LS PFM -300/827/5	4058075236387

Product image	Product name	EAN
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	LS PFM -2000/865/5	4058075236202
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	LS VAL -1000/830/5	4058075296336
	LS VAL -1000/840/5/IP65	4058075296480
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	LS VAL -1400/827/5/IP65	4058075296695

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Product image	Product name	EAN
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	LS PFM -300/840/5	4058075236523
	LS PFM -300/827/5/IP66	4058075236622
	LS VAL -1400/840/5	4058075296909
	LS SUP -800/940/5	4058075237247
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	LS SUP -2000/927/3.5/IP67	4058075237124

Product image	Product name	EAN
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	LS SUP -800/960/5/IP67	4058075237421
	LS SUP -800/930/5	4058075237223
	LS VAL -1400/840/5/IP65	4058075296756
	LS SUP -500/940/5/IP67	4058075237322
	LS PFM -1500/830/5/IP66	4058075236325
	LS PFM -600/827/5	4058075236400
	LS PFM -1500/865/5	4058075236264
	LS VAL -600/840/5/IP65	4058075296602
	LS SUP -2000/965/3.5	4058075236929
	LS VAL -600/865/5	4058075296992

Product image	Product name	EAN
	LS SUP -2000/940/3.5	4058075236905
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	LS VAL -600/830/5/IP65	4058075296572
	LS SUP -500/940/5	4058075237087
	LS SUP -500/927/5/IP67	4058075237261
	LS PFM -1500/827/5/IP66	4058075236301
	LS SUP -500/930/5	4058075237063
	LS VAL -1000/830/5/IP65	4058075296459
	LS PFM -2000/840/5	4058075236189
	LS VAL -600/865/5/IP65	4058075296633
	LS SUP -1200/927/5	4058075236646
	LS SUP -2000/940/3.5/IP67	4058075237162

Product image	Product name	EAN
	LS PFM -600/865/5/IP66	4058075237001
	LS PFM -1500/830/5	4058075236226
	LS VAL -600/827/5/IP65	4058075296541

DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	LED DRIVER VALUE CV INDOOR
 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
4058075240131	Folding box 1	58 mm x 45 mm x 273 mm	437.00 g	0.71 dm ³
4058075240148	Shipping box 10	304 mm x 288 mm x 128 mm	5396.00 g	11.21 dm ³
4058075254114	Shipping box 40	598 mm x 323 mm x 292 mm	22407.00 g	56.40 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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