

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
- Low ripple current < 5%
- 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 voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V ¹⁾
Power factor λ	0.90 ²⁾
ECG efficiency	90 % ³⁾
Device power loss	12 W ⁴⁾
Inrush current	62 A ⁵⁾
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
Nominal output voltage	24 V ⁶⁾
Nominal output power	120 W ⁷⁾
Galvanic isolation primary/secondary	3.75 kV
Nominal output current	5000 mA ⁸⁾
U-OUT (working voltage)	24 V

1) Permitted voltage range

2) Full load at 230 V

3) At full load and 230 V

4) At maximum LED load of 120 W

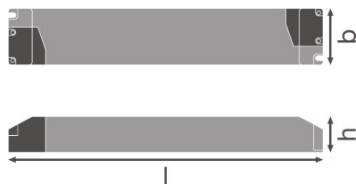
5) $t_{width} = 250 \mu s$ (measured at 50 % I_{peak})

6) Maximum 24 V

7) From 0 to 120 W

8) ±10%

Dimensions & weight



Length	255.0 mm
Width	45.0 mm
Height	32.0 mm

Mounting hole spacing, length	244.5 mm
Mounting hole spacing, width	36.1 mm
Cable cross-section, input side	0.5...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Product weight	406.00 g
Wire preparation length, input side	5...6 mm
Wire preparation length, output side	5...6 mm
Prewired	No

Colors & materials

Casing material	Plastic
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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
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 $T_c = 90^\circ\text{C}$ / 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	No
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 no-load mode operation	Yes

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
Type of protection	IP20

Logistical data

Temperature range at storage	-20...+75 °C
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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075240148	Shipping carton box 10	304 mm x 288 mm x 128 mm	5396.00 g	11.21 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.