

PRODUCT DATASHEET DR-VAL -45/220-240/1A0

LED DRIVER VALUE | Constant current LED driver with dedicated current



Areas of application

- Suitable for LED luminaires and LED modules
- Applicable for luminaires of protection classes I and II
- For indoor SELV installations
- Offices, shopping centers, hospitals, restaurants, hotels

Product benefits

- Suitable for operation with many discrete LED and COB LED
- Excellent price/performance ratio
- 3 years guarantee
- Quick and simple installation
- High efficiency and reliability

Product features

- Available in 15 W, 20 W, 30 W, 45 W and 60 W
- Integrated cable clamp for independent installation
- Lifetime: up to 35,000 h (at max. tc temperature)
- Type of protection: IP20
- Dedicated, constant output current
- 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)
- Short-circuit and overlaod protection

TECHNICAL DATA

Electrical data

Nominal wattage	45.00 W
Nominal output power	45 W ¹⁾
Nominal voltage	220240 V
Nominal output voltage	3040 V ²⁾
Input voltage AC	198264 V ³⁾
U-OUT (working voltage)	60 V
Type of current	DC
Nominal current	290 mA
Nominal output current	1050 mA ⁴⁾
Inrush current	30 A
Output current tolerance	±5 %
Output ripple current (100 Hz)	< 5 %
Mains frequency	5060 Hz
Total harmonic distortion	16 % ⁵⁾
Power factor λ	0.90 ⁶⁾
ECG efficiency	89 % 7)
Device power loss	4.6 W ⁸⁾
Max. ECG no. on circuit breaker 10 A (B)	15
Max. ECG no. on circuit breaker 16 A (B)	25
Max. ECG no. on circuit breaker 25 A (B)	39
Surge capability (L-N)	1 kV
Galvanic isolation	SELV

¹⁾ Partial load 32...42 W

Dimensions & Weight

²⁾ Maximum 60 V

³⁾ Permitted voltage range

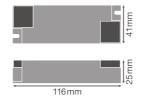
^{4) ±10%}

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 42 W



Length	116.00 mm
Mounting hole spacing, length	105.00 mm
Width	41.00 mm
Height	25.00 mm
Cable cross-section, input side	0.51.5 mm ²
Cable cross-section, output side	0.51.5 mm ²
Prewired	No
Wire preparation length, input side	56 mm
Wire preparation length, output side	56 mm
Product weight	94.00 g

Colors & materials

Product color	White
Casing material	Plastic
Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-10+45 °C
Maximum temperature at tc test point	90 °C
Max.housing temperature in case of fault	95 °C
Temperature range in operation	-10+45 °C
Permitted rel. humidity during operation	1090 % 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
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	1711
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	П	
Type of protection	IP20	

LOGISTICAL DATA

Temperature range at storage	-20+75 °C
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DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	LED DRIVER VALUE CC INDOOR
PDF	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
4058075240254	Folding box	45 mm x 29 mm x 122 mm	104.00 g	0.16 dm ³
4058075240261	Shipping box 10	244 mm x 139 mm x 98 mm	1171.00 g	3.32 dm ³
4058075254206	Shipping box 60	439 mm x 263 mm x 232 mm	7526.00 g	26.79 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.