

# 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 overload protection

## TECHNICAL DATA

### Electrical data

Nominal wattage	45.00 W
Nominal output power	45 W <sup>1)</sup>
Nominal voltage	220...240 V
Nominal output voltage	30...40 V <sup>2)</sup>
Input voltage AC	198...264 V <sup>3)</sup>
U-OUT (working voltage)	60 V
Type of current	DC
Nominal current	290 mA
Nominal output current	1050 mA <sup>4)</sup>
Inrush current	30 A
Output current tolerance	±5 %
Output ripple current (100 Hz)	< 5 %
Mains frequency	50...60 Hz
Total harmonic distortion	16 % <sup>5)</sup>
Power factor $\lambda$	0.90 <sup>6)</sup>
ECG efficiency	89 % <sup>7)</sup>
Device power loss	4.6 W <sup>8)</sup>
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

2) Maximum 60 V

3) Permitted voltage range

4) ±10%

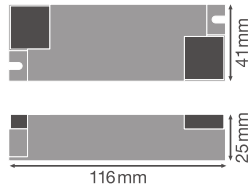
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) At maximum LED load of 42 W

### Dimensions & Weight



Length	116.00 mm
Mounting hole spacing, length	105.00 mm
Width	41.00 mm
Height	25.00 mm
Cable cross-section, input side	0.5...1.5 mm <sup>2</sup>
Cable cross-section, output side	0.5...1.5 mm <sup>2</sup>
Prewired	No
Wire preparation length, input side	5...6 mm
Wire preparation length, output side	5...6 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	10...90 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 90%

### Lifespan

ECG lifetime	35000 h <sup>1)</sup>
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<sup>1)</sup> At maximum T<sub>c</sub> = 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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**DOWNLOAD DATA**

Documents and certificates	Document name
 User instruction / safety instructions	LED DRIVER VALUE CC 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
4058075240254	Folding box 1	45 mm x 29 mm x 122 mm	104.00 g	0.16 dm <sup>3</sup>
4058075240261	Shipping box 10	244 mm x 139 mm x 98 mm	1171.00 g	3.32 dm <sup>3</sup>
4058075254206	Shipping box 60	439 mm x 263 mm x 232 mm	7526.00 g	26.79 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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