

# **PRODUCT DATASHEET** DR-V -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 <sup>1)</sup>
Nominal voltage	220240 V
Nominal output voltage	24 V <sup>2)</sup>
Input voltage range	220240 V
Input voltage AC	198264 V <sup>3)</sup>
U-OUT (working voltage)	24 V
Type of current	DC
Nominal current	740 mA
Nominal output current	5000 mA <sup>4)</sup>
Inrush current	55 A
Output ripple current (100 Hz)	< 5 %
Mains frequency	5060 Hz
Total harmonic distortion	< 10 % <sup>5)</sup>
Power factor $\lambda$	> 0.90 <sup>6)</sup>
ECG efficiency	87 % <sup>7</sup> )
Device power loss	17.90 W <sup>8)</sup>
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)	9
Surge capability (L-N)	1 kV
Galvanic isolation	SELV

1) From 0 to 120 W

2) <sub>Maximum 24 V</sub>

3) Permitted voltage range

4) <sub>±10%</sub>

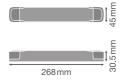
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) At maximum LED load of 120 W

# **Dimensions & Weight**



Length	268.00 mm
Mounting hole spacing, length	251.00 mm
Width	45.00 mm
Height	30.50 mm
Cable cross-section, input side	0.751.5 mm <sup>2</sup>
Cable cross-section, output side	0.51.5 mm <sup>2</sup>
Prewired	No
Wire preparation length, input side	79 mm
Wire preparation length, output side	79 mm
Product weight	390.00 g

## Colors & materials

Product color	White
Casing material	Plastic
Body material	Plastic

## Temperatures & operating conditions

Ambient temperature range	-2045 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °C
Temperature range in operation	-20+45 °C
Permitted rel. humidity during operation	2090 % <sup>1)</sup>

1) Maximum 56 days/year at 90%

#### Lifespan

ECG lifetime	35000 h <sup>1)</sup>

1) At maximum  $T_c = 90^{\circ}C / 10\%$  failure rate

#### Capabilities

Dimmable

No

Dimming interface	Not dimmable
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
Suitable for fixtures with prot. class	1,11
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

## DOWNLOAD DATA

Documents and certificates Document name		Document name	
POF	User instruction / safety instructions	DR V CV	
POF	Declarations of conformity	CE_CV LED DRIVER	
POF	Declarations of conformity UKCA	UKCA Declaration_ CV LED DR	

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075754980	Folding box 1	276 mm x 53 mm x 38 mm	418.00 g	0.56 dm <sup>3</sup>
4058075754997	Shipping box 10	307 mm x 296 mm x 122 mm	4530.00 g	11.09 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

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