

# PRODUCT DATASHEET

## DR-V -150/220-240/24

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                          | 150.00 W                  |
| Nominal output power                     | 150 W <sup>1)</sup>       |
| Nominal voltage                          | 220...240 V               |
| Nominal output voltage                   | 24 V <sup>2)</sup>        |
| Input voltage range                      | 220...240 V               |
| Input voltage AC                         | 198...264 V <sup>3)</sup> |
| U-OUT (working voltage)                  | 24 V                      |
| Type of current                          | DC                        |
| Nominal current                          | 900 mA                    |
| Nominal output current                   | 6250 mA <sup>4)</sup>     |
| Inrush current                           | 46 A                      |
| Output ripple current (120 Hz)           | < 1 %                     |
| Mains frequency                          | 50...60 Hz                |
| Total harmonic distortion                | < 15 % <sup>5)</sup>      |
| Power factor $\lambda$                   | 0.97 <sup>6)</sup>        |
| ECG efficiency                           | 91 % <sup>7)</sup>        |
| Device power loss                        | 11.2 W <sup>8)</sup>      |
| Max. ECG no. on circuit breaker 10 A (B) | 8                         |
| Max. ECG no. on circuit breaker 16 A (B) | 6                         |
| Max. ECG no. on circuit breaker 25 A (B) | 10                        |
| Surge capability (L-N)                   | 1 kV                      |
| Galvanic isolation                       | SELV                      |

1) From 0 to 150 W

2) Maximum 24 V

3) Permitted voltage range

4)  $\pm 10\%$

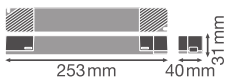
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) At maximum LED load of 150 W

### Dimensions & Weight



|                                      |                            |
|--------------------------------------|----------------------------|
| Length                               | 253.00 mm                  |
| Mounting hole spacing, length        | 242.00 mm                  |
| Width                                | 40.00 mm                   |
| Height                               | 31.00 mm                   |
| Cable cross-section, input side      | 0.75...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  | 7...9 mm                   |
| Wire preparation length, output side | 7...9 mm                   |
| Product weight                       | 350.00 g                   |

Colors & materials

|                 |         |
|-----------------|---------|
| Product color   | White   |
| Casing material | Plastic |
| Body material   | Plastic |

Temperatures & operating conditions

|                                          |                         |
|------------------------------------------|-------------------------|
| Ambient temperature range                | -20...+45 °C            |
| Maximum temperature at tc test point     | 90 °C                   |
| Max.housing temperature in case of fault | 110 °C                  |
| Temperature range in operation           | -20...+45 °C            |
| Permitted rel. humidity during operation | 20...90 % <sup>1)</sup> |

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

Lifespan

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

<sup>1)</sup> At maximum T<sub>c</sub> = 90°C / 12% 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 | I,II               |
| Suitable for emergency lighting        | No                 |
| Type of connection, output side        | Screwless terminal |

### Certificates & Standards

|                           |                                                                                                                               |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Approval marks – approval | CE / UKCA / EAC                                                                                                               |
| Standards                 | Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 55015 /<br>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 | -25...+80 °C |
|------------------------------|--------------|

### DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|  | User instruction / safety instructions | DRIVER VAL CV G3                   |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Legal information                      | Safety Insert G11205498            |
|  | Declarations of conformity             | DR-V                               |
|  | Declarations of conformity UKCA        | DR-V                               |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075835917 | Folding box<br>1             | 36 mm x 44 mm x 258 mm               | 370.00 g     | 0.41 dm <sup>3</sup>  |
| 4058075835924 | Shipping box<br>20           | 287 mm x 244 mm x 174 mm             | 7938.00 g    | 12.18 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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