

# PRODUCT DATASHEET

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

LED DRIVER VALUE | Constant voltage LED driver



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### 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

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### 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

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### 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 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                          | 950 mA                    |
| Nominal output current                   | 6250 mA <sup>4)</sup>     |
| Inrush current                           | 90 A                      |
| Output ripple current (100 Hz)           | < 5 %                     |
| Mains frequency                          | 50...60 Hz                |
| Total harmonic distortion                | 18 % <sup>5)</sup>        |
| Power factor $\lambda$                   | 0.90 <sup>6)</sup>        |
| ECG efficiency                           | 87 % <sup>7)</sup>        |
| Device power loss                        | 19.5 W <sup>8)</sup>      |
| Max. ECG no. on circuit breaker 10 A (B) | 17                        |
| Max. ECG no. on circuit breaker 16 A (B) | 28                        |
| Max. ECG no. on circuit breaker 25 A (B) | 43                        |
| Surge capability (L-N)                   | 1 kV                      |
| Galvanic isolation                       | SELV                      |

1) From 0 to 150 W

2) Maximum 24 V

3) Permitted voltage range

4)  $\pm 10\%$

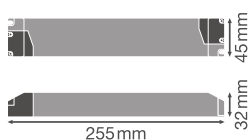
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) At maximum LED load of 150 W

### Dimensions & Weight



|                                      |                           |
|--------------------------------------|---------------------------|
| Length                               | 255.00 mm                 |
| Mounting hole spacing, length        | 244.5 mm                  |
| Width                                | 45.00 mm                  |
| Height                               | 32.00 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                       | 407.00 g                  |

### Colors & materials

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

### 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                   |
| Temperature range in operation           | -20...+40 °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> |
|--------------|-----------------------|

<sup>1)</sup> At maximum  $T_c = 90^\circ\text{C}$  / 12% failure rate

### Additional product data

|              |    |
|--------------|----|
| Encapsulated | No |
|--------------|----|

### 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 |
|------------------------------|--------------|

### DOWNLOAD DATA

| DOWNLOAD DATA  |                            |
|--|----------------------------|
|   | User instruction           |
|  | PRODUCT DATASHEET          |
|  | Declarations of conformity |
|  | Catalogs                   |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075240186 | Shipping box<br>10           | 304 mm x 288 mm x 128 mm             | 5406.00 g    | 11.21 dm <sup>3</sup> |
| 4058075254138 | Shipping box<br>40           | 598 mm x 323 mm x 292 mm             | 22447.00 g   | 56.40 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)

### DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.