

# PRODUCT DATASHEET

## DR-VAL -30/220-240/24

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

|                                                 |                           |
|-------------------------------------------------|---------------------------|
| <b>Nominal voltage</b>                          | 220...240 V               |
| <b>Mains frequency</b>                          | 50/60 Hz                  |
| <b>Input voltage AC</b>                         | 198...264 V <sup>1)</sup> |
| <b>Power factor λ</b>                           | 0.90 <sup>2)</sup>        |
| <b>ECG efficiency</b>                           | 87 % <sup>3)</sup>        |
| <b>Device power loss</b>                        | 3.9 W <sup>4)</sup>       |
| <b>Inrush current</b>                           | 20 A <sup>5)</sup>        |
| <b>Max. ECG no. on circuit breaker 10 A (B)</b> | 10                        |
| <b>Max. ECG no. on circuit breaker 16 A (B)</b> | 16                        |
| <b>Max. ECG no. on circuit breaker 25 A (B)</b> | 25                        |
| <b>Surge capability (L-N)</b>                   | 1 kV                      |
| <b>Nominal output voltage</b>                   | 24 V <sup>6)</sup>        |
| <b>Nominal output power</b>                     | 30 W <sup>7)</sup>        |
| <b>Galvanic isolation primary/secondary</b>     | 3.75 kV                   |
| <b>Nominal output current</b>                   | 1250 mA <sup>8)</sup>     |
| <b>U-OUT (working voltage)</b>                  | 24 V                      |

1) Permitted voltage range

2) Full load at 230 V

3) At full load and 230 V

4) At maximum LED load of 30 W

5)  $t_{width} = 250 \mu s$  (measured at 50 %  $I_{peak}$ )

6) Maximum 24 V

7) From 0 to 30 W

8) ±10%

Dimensions & weight



|               |          |
|---------------|----------|
| <b>Length</b> | 142.0 mm |
| <b>Width</b>  | 45.0 mm  |
| <b>Height</b> | 30.0 mm  |

|                                      |                           |
|--------------------------------------|---------------------------|
| Mounting hole spacing, length        | 132.0 mm                  |
| Mounting hole spacing, width         | 35.0 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> |
| Product weight                       | 130.00 g                  |
| Wire preparation length, input side  | 5...6 mm                  |
| Wire preparation length, output side | 5...6 mm                  |
| Prewired                             | No                        |

### Colors & materials

|                 |         |
|-----------------|---------|
| Casing material | Plastic |
|-----------------|---------|

### Temperatures & operating conditions

|                                          |                         |
|------------------------------------------|-------------------------|
| Ambient temperature range                | -20...+45 °C            |
| Maximum temperature at tc test point     | 85 °C                   |
| Max.housing temperature in case of fault | 95 °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  $T_c = 85^\circ\text{C}$  / 10% failure rate

### Additional product data

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

### Capabilities

|                                        |        |
|----------------------------------------|--------|
| Dimmable                               | No     |
| Overheating protection                 | false  |
| 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 no-load mode operation    | Yes    |




### 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 |
| Type of protection        | IP20                                                                                                             |

## Logistical data

|                              |              |
|------------------------------|--------------|
| Temperature range at storage | -20...+75 °C |
|------------------------------|--------------|

## DOWNLOAD DATA

| File                                                                              |                                                                    |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------|
|  | User instruction<br>LED DRIVER VALUE CV INDOOR                     |
|  | Product Datasheet<br>DR-VAL-30220-24024                            |
|  | Declarations of conformity<br>EU Declaration of Conformity 3581723 |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075240056 | Folding carton box<br>1      | 49 mm x 34 mm x 148 mm               | 143.00 g     | 0.25 dm <sup>3</sup>  |
| 4058075240063 | Shipping carton box<br>10    | 264 mm x 165 mm x 108 mm             | 1601.00 g    | 4.70 dm <sup>3</sup>  |
| 4058075254183 | Shipping carton box<br>60    | 517 mm x 283 mm x 252 mm             | 10225.00 g   | 36.87 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.