

# PRODUCT DATASHEET

## DR DALI-SUP -150/220-240/24

LED DRIVER DALI SUPERIOR | Constant voltage LED driver with DALI dimming interface



SUPERIOR  
CLASS

### Areas of application

- Cove lighting, even in tight spaces
- Hotels, shops, hospitality, residential interiors
- Museums, art galleries
- Strip lighting in single and open-plan offices
- Suitable for use in emergency lighting systems (DC capable)

### Product benefits

- Quick and comfortable installation thanks to tool-less cable clamp concept
- 5 years guarantee
- Low flickering enables high light quality as well as good visual comfort
- Push DIM application for easy control
- Optimized matched to 24 V LED flexible strips

### Product features

- 1 channel DALI-2 certified LED driver
- Cable clamp housing for independent mounting
- Operated with Safety extra-low voltage (SELV): < 60 V
- Type of protection: IP20

## 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 AC                         | 198...264 V <sup>3)</sup> |
| U-OUT (working voltage)                  | 25 V                      |
| Type of current                          | DC                        |
| Nominal current                          | 825 mA                    |
| Nominal output current                   | 6250 mA <sup>4)</sup>     |
| Inrush current                           | 90 A                      |
| Output ripple current (100 Hz)           | +/- 3.5 %                 |
| Mains frequency                          | 50...60 Hz                |
| Total harmonic distortion                | < 10 % <sup>5)</sup>      |
| Power factor $\lambda$                   | > 0.90 <sup>6)</sup>      |
| ECG efficiency                           | 91 % <sup>7)</sup>        |
| Device power loss                        | 19 W <sup>8)</sup>        |
| Max. ECG no. on circuit breaker 10 A (B) | 2                         |
| Max. ECG no. on circuit breaker 16 A (B) | 3                         |
| Max. ECG no. on circuit breaker 25 A (B) | 5                         |
| Surge capability (L/N-Ground)            | 2 kV                      |
| Surge capability (L-N)                   | 1 kV                      |
| Galvanic isolation                       | SELV                      |
| Power loss in stand-by mode              | < 0.5 W                   |

1) From 0 to 150 W

2) Maximum 24 V

3) Permitted voltage range

4)  $\pm 5\%$

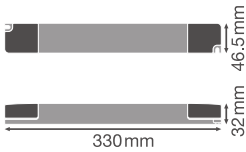
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) At maximum LED load of 169 W

### Dimensions & Weight



|                                      |                           |
|--------------------------------------|---------------------------|
| Length                               | 330.00 mm                 |
| Mounting hole spacing, length        | 318 mm                    |
| Width                                | 47.00 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  | 6...7 mm                  |
| Wire preparation length, output side | 6...7 mm                  |
| Product weight                       | 484.00 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     | 85 °C                  |
| Max.housing temperature in case of fault | 110 °C                 |
| Temperature range in operation           | -25...+45 °C           |
| Permitted rel. humidity during operation | 5...85 % <sup>1)</sup> |

<sup>1)</sup> Maximum 56 days/year at 85 %

Lifespan

|              |                       |
|--------------|-----------------------|
| ECG lifetime | 50000 h <sup>1)</sup> |
|--------------|-----------------------|

<sup>1)</sup> At maximum T<sub>c</sub> / 10% failure rate

Additional product data

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

Capabilities

|  |               |
|--|---------------|
| Dimmable                               | Yes           |
| Dimming interface                      | DALI-2        |
| Dimming range                          | 1...100 %     |
| Overheating protection                 | Yes           |
| 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        | Push terminal |





### Certificates & Standards

|                           |   |
|---------------------------|---|
| Approval marks – approval | CE / CB / ENEC  |
| 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 | -40...+85 °C |
|------------------------------|--------------|

### DOWNLOAD DATA

| Documents and certificates   |  | Document name  |
|--|--|--|
|  | User instruction / safety instructions | LED DR DALI SUP CV                                   |
|  | Declarations of conformity             | DECLARATION OF CONFORMITY LED DR DALI PFM_LED DR SUP |
|  | Declarations of conformity             | DECLARATION OF CONFORMITY LED DR DALI PFM_LED DR SUP |
|  | Certificates                           | CERTIFICATE_LED DR DALI PFM_LED DR SUP               |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075421868 | Folding box<br>1             | 336 mm x 55 mm x 38 mm               | 523.00 g     | 0.70 dm <sup>3</sup>  |
| 4058075421875 | Shipping box<br>10           | 387 mm x 324 mm x 116 mm             | 5779.00 g    | 14.55 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.

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## References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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