

# PRODUCT DATASHEET

## DR DALI-SUP -45/220-240/24

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



**GERMAN  
DESIGN  
AWARD  
NOMINEE  
2019**



**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	45.00 W
Nominal output power	45 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	275 mA
Nominal output current	1880 mA <sup>4)</sup>
Inrush current	40 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	87 % <sup>7)</sup>
Device power loss	6.72 W <sup>8)</sup>
Max. ECG no. on circuit breaker 10 A (B)	9
Max. ECG no. on circuit breaker 16 A (B)	15
Max. ECG no. on circuit breaker 25 A (B)	23
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 45 W

2) Maximum 24 V

3) Permitted voltage range

4)  $\pm 5\%$

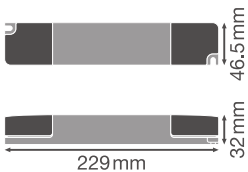
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) At maximum LED load of 52 W

### Dimensions & Weight



Length	229.00 mm
Mounting hole spacing, length	217 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	247.00 g

Colors & materials

Product color	White
Casing material	Plastic
Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °C
Temperature range in operation	-25...+50 °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>
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<sup>1)</sup> At maximum T<sub>c</sub> / 10% failure rate

Additional product data

Encapsulated	No
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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 / 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
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### 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
4058075421820	Folding box 1	235 mm x 55 mm x 38 mm	275.00 g	0.49 dm <sup>3</sup>
4058075421837	Shipping box 10	326 mm x 284 mm x 116 mm	3440.00 g	10.74 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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