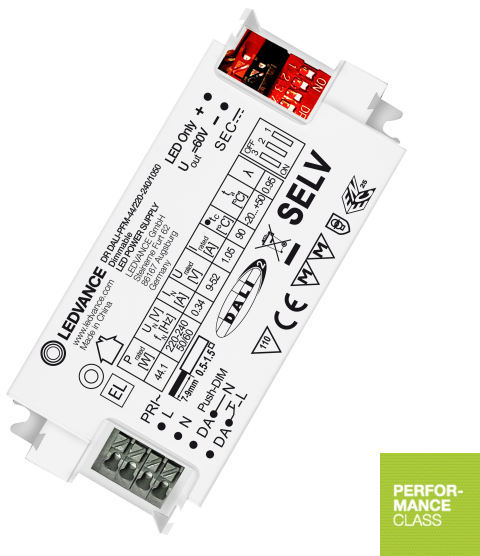


# PRODUCT DATASHEET

## DR DALI-PFM -44/220-240/1050

LED DRIVER DALI PERFORMANCE | Compact constant current LED driver with DALI dimming interface



### Areas of application

- Suitable for indoor SELV installations
- Suitable for use in emergency lighting systems (DC capable)
- Installation via Cable Clamp Kit possible (depending on version of product)
- Linear lighting for office, education, storage areas and retail

### Product benefits

- Low flickering enables high light quality as well as good visual comfort
- Push DIM application for easy control
- High-quality dimming of 1...100 %
- Suitable for emergency lighting
- 5 years guarantee

### Product features

- 1 channel DALI-2 certified LED driver
- Supply voltage: 220...240 V
- Operated with Safety extra-low voltage (SELV): < 60 V
- Available with output current range: up to 1,400 mA
- Type of installation: independent and built-in

## TECHNICAL DATA

### Electrical data

Nominal wattage	44.00 W
Nominal output power	44 W <sup>1)</sup>
Nominal voltage	220...240 V
Nominal output voltage	9...52 V <sup>2)</sup>
Input voltage AC	198...264 V <sup>3)</sup>
Input voltage DC	196...245 V
U-OUT (working voltage)	60 V
Type of current	DC
Nominal current	275 mA
Nominal output current	1050 mA <sup>4)</sup>
Inrush current	30 A
Output current tolerance	±5 %
Output ripple current (100 Hz)	+/- 5 %
Mains frequency	0/50/60 Hz
Total harmonic distortion	< 10 % <sup>5)</sup>
Power factor $\lambda$	0.95 <sup>6)</sup>
ECG efficiency	88 % <sup>7)</sup>
Device power loss	10.4 W <sup>8)</sup>
Max. ECG no. on circuit breaker 10 A (B)	13
Max. ECG no. on circuit breaker 16 A (B)	21
Max. ECG no. on circuit breaker 25 A (B)	34
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Galvanic isolation	SELV
Operating frequency	0/50/60 Hz
Power loss in stand-by mode	< 0.5 W

1) Partial load 6.3...44.1 W

2) Within rated power

3) Permitted voltage range

4) ±5%

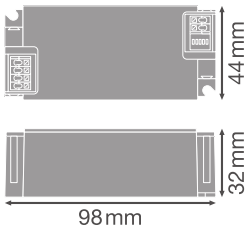
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) At maximum LED load of 55 W

### Dimensions & Weight



Length	90.00 mm
Mounting hole spacing, length	90 mm
Width	44.00 mm
Height	32.00 mm
Cable cross-section, input side	0,5...1,0 mm <sup>2</sup>
Cable cross-section, output side	0,5...1,0 mm <sup>2</sup>
Prewired	No
Wire preparation length, input side	6...7 mm
Wire preparation length, output side	6...7 mm
Product weight	180.00 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	90 °C
Max.housing temperature in case of fault	110 °C
Temperature range in operation	-20...+50 °C
Permitted rel. humidity during operation	5...85 % <sup>1)</sup>

1) Maximum 56 days/year at 85 %

Lifespan

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

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

Additional product data

Encapsulated	Yes
--------------	-----

Capabilities

Dimmable	Yes
Dimming interface	DALI-2
Dimming range	1...100 %
Overheating protection	Yes
Overload protection	Yes
No-load proof	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	Yes
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	I
Type of protection	IP00





### LOGISTICAL DATA

Temperature range at storage	-40...+85 °C
------------------------------	--------------

### Accessories Optional

Product image	Product name	EAN
	DR AY ZB+DALI CLAMP DUO	4058075483125

### DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	LED DRIVER DALI PFM
 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

Documents and certificates		Document name
	Certificates	CERTIFICATE_LED DR DALI PFM_LED DR SUP

Tender texts		Document name
	Tender documents	LED DRIVER DALI PERFORMANCE 44220 2401050-EN

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075421905	Folding box 1			
4058075421912	Shipping box 10	311 mm x 154 mm x 116 mm	2172.00 g	5.56 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.