

# PRODUCT DATASHEET DR PC-PFM -25/220-240/700

# LED DRIVER PHASE-CUT PERFORMANCE | Constant current LED driver with phase-cut dimming interface



#### Areas of application

- Suitable for LED luminaires and LED modules
- Applicable for luminaires of protection classes I and II
- For indoor SELV installations
- Offices, shopping centers, hospitals, restaurants, hotels

#### **Product benefits**

- Enables installation with commonly used leading-edge and trailing-edge dimmers
- 5 years guarantee
- Slim housing for narrow installations
- High efficiency and reliability

#### **Product features**

- Available in 13 W, 18 W, 25 W and 35 W
- Independent installation with optional Cable Clamp Kit
- Dimmable on the leading edge and trailing edge
- Dimmable from 10...100 %
- Lifetime: up to 50,000 h (at max. tc temperature)
- Type of protection: IP20
- Dedicated, constant output current
- 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	25.00 W
Nominal output power	25 W <sup>1)</sup>
Nominal voltage	220240 V
Nominal output voltage	2036 V <sup>2)</sup>
Input voltage AC	198264 V <sup>3)</sup>
U-OUT (working voltage)	60 V
Type of current	DC
Nominal current	130 mA
Nominal output current	700 mA <sup>4)</sup>
Inrush current	10 A
Output current tolerance	±5 %
Output ripple current (100 Hz)	< 5 %
Mains frequency	5060 Hz
Total harmonic distortion	16 % <sup>5)</sup>
Power factor $\lambda$	0.95 <sup>6)</sup>
ECG efficiency	82 % <sup>7)</sup>
Device power loss	4,5 W <sup>8)</sup>
Max. ECG no. on circuit breaker 10 A (B)	40
Max. ECG no. on circuit breaker 16 A (B)	65
Max. ECG no. on circuit breaker 25 A (B)	101
Surge capability (L-N)	1 kV
Galvanic isolation	SELV

1) Partial load 14...25 W

2) Maximum 60 V

3) Permitted voltage range

4) <sub>±10%</sub>

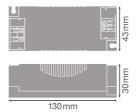
5) At full load, 220...240 V, 50 Hz

6) Full load at 230 V

7) At full load and 230 V

8) At maximum LED load of 25 W

# **Dimensions & Weight**



Length	130.00 mm
Mounting hole spacing, length	121,0 mm
Width	43.00 mm
Height	30.00 mm
Cable cross-section, input side	0.751.5 mm <sup>2</sup>
Cable cross-section, output side	0.51.5 mm <sup>2</sup>
Prewired	No
Wire preparation length, input side	8,0 mm
Wire preparation length, output side	8,0 mm
Product weight	126.00 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	75 °C
Max.housing temperature in case of fault	95 °C
Temperature range in operation	-20+50 °C
Permitted rel. humidity during operation	1090 % <sup>1)</sup>

1) Maximum 56 days/year at 90%

## Lifespan

ECG lifetime

50000 h <sup>1)</sup>

1) At maximum  $T_c = 75^{\circ}C / 10\%$  failure rate

### Additional product data

Encapsulated

No

### Capabilities

Dimmable	Yes
Dimming interface	Phase Cut
Dimming range	10100 %
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	171
Suitable for emergency lighting	No
Type of connection, output side	Push terminal

## **Certificates & Standards**

Approval marks – approval	TUV / 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
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# Accessories Optional

Product image	Product name	EAN
	DR AY PC-PFM-CLAMP DUO	4058075313170

# EQUIPMENT / ACCESSORIES

- Cable Clamp Kit to ensure propper strain relief

#### DOWNLOAD DATA

Documents and certificates Document name		Document name	
PDF	User instruction / safety instructions	LED DRIVER PERFORMANCE CC PHASE CUT	
PDF	User instruction / safety instructions	DRIVER PHASE CUT	

	Documents and certificates	Document name	
POF	Declarations of conformity	EU Declaration of Conformity 3581723	
	Tender texts	Document name	
	Tender documents	LED DRIVER PHASE-CUT PERFORMANCE 25220 240700-EN	

# LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075239852	Folding box 1	46 mm x 34 mm x 133 mm	140.00 g	0.21 dm <sup>3</sup>
4058075239869	Shipping box 10	247 mm x 151 mm x 91 mm	1593.00 g	3.39 dm <sup>3</sup>
4058075254824	Shipping box 60	471 mm x 262 mm x 205 mm	10113.00 g	25.30 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

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