

# LED driver with phasecut dimmable

## Driver Phasecut 36W/24V IP20 Radium

# Radium

Product Datasheet Date: 04.12.2020



Please, dump as special waste, **no ordinary household waste!**

## General Data

Article No.	OTDA3025
Code	DRIVER PHASECUT 36W/24V IP20 RADIUM
Product EAN	4003556009875
Customs tariff no.	85044082
Box quantity (pcs.)	60
EAN Box	4003556409873
Gross weight of box in kg	11.35
Length of box in m	0.37
Width of box in m	0.34
Height of box in m	0.0165
ETIM class	EC002710
ETIM class name	LED driver
Weight	185 g
Product status	Active

## Electric Parameters

Output power	0-36 W
effective input current	230 V

## Electric Parameters

Output Voltage	24 V
Inrush current	40 A
Input current	0.4 A
Current out	1.5 A
Supply frequency	50 / 60 Hz
dimmable	Yes

## Light Application Parameters

Dimming range	0 - 100 %
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## Service Life

Service life	30000 h
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## Specification

Length	175 mm
Height	30 mm
Width	44 mm
Model	Dynamic

## Notes on Operation

Degree of protection (IP)	IP20
Mean efficiency	87 %
Protection class	II
Ambient temperatures	-30...+55 °C
Tc Temperature max.	70 °C
max. relative air humidity	95 %
Dimming phase cut-off	Yes
Dimming phase cut-on	Yes
Dimming Touch and Dim	Yes
Dimming with push-button	Yes

## Notes

1 channel constant voltage supply 24V, dimmable by leading or trailing edge phasecut dimmer, for indoor applications

Please, refer to [www.radium.de/recycling](http://www.radium.de/recycling) for notes on disposal of burned-out lamps as well as lamp breakage.

The "lifespan L70" described for LED lamps indicates the number of hours when the luminous flux has decreased to 70% of its initial value.

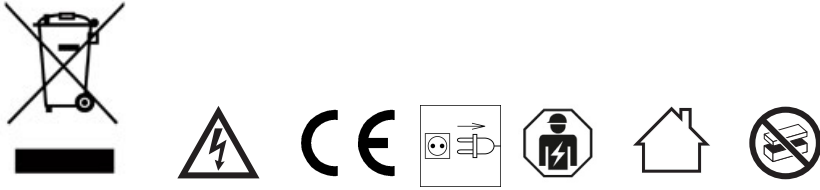
The optimal field 'info about service life' contains the frame conditions according to standards based on which the specific service life has been determined. So, for example, "12B50, 50Hz" means that the mean service life (B50) has been determined with a 12h switching cycle at mains (frequency 50Hz), "3B50, HF" is based on a 3h switching cycle at electronic control gear (high frequency).

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### Special features



### General notes

The technical design data in accordance with DIN and IEC. The producer does not take any responsibility for damage to persons or property in case of unsuitable operation or handling of the product. Operating data and dimensions are valid within the usual tolerances. Related lamp types (different bases, mains voltages) may be available on request. Sale and delivery are effected in accordance with the Radium Terms of Delivery and Payment valid on the day of conclusion of contract. Packing units offer economical advantages to the purchase and logistic department. Please match your quantity volume accordingly. For orders of a minimum quantity (clefts) with a lamp model the amount lower than the volume of each packaging unit, we will invoice 10 % additional charge per lamp type. Technical changes and terms of delivery are reserved. Manipulation of any kind to packaging or product is not permissible as this will violate Radium brand rights. Furthermore, technical properties of the product can change to its disadvantage or even destruction. Therefore, Radium cannot be responsible for consequential damages.

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Subject to change without notice. Errors and omissions excepted.

All technical data without guarantee.

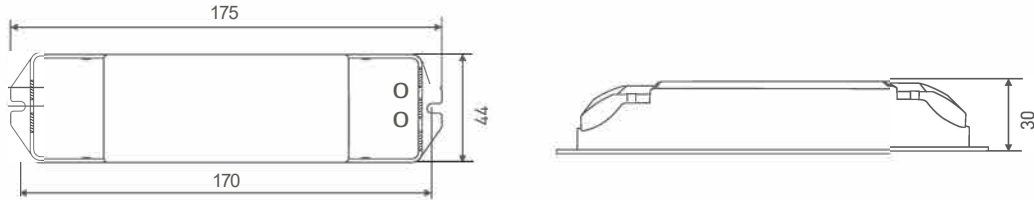
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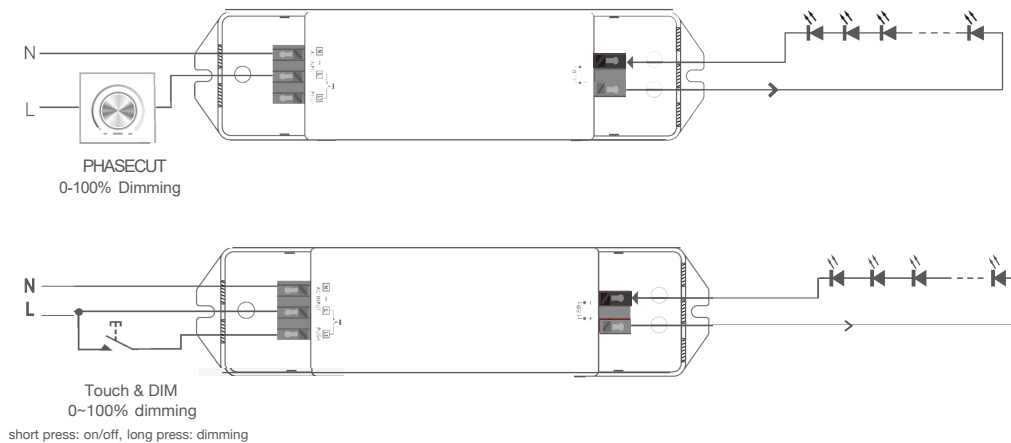
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## Dimensions



## Wiring diagram



## Touch & DIM



Reset switch

- ON/OFF: short press
- Stepless dimming: long press
- With every other long press, the light level goes to the opposite direction
- Dimming memory: Brightness will be the same as previous adjusted when turning off and on again

## Selecting between ordinary dimmer and dimming system

Ordinary dimmers and dimming systems have different dimming precision, precision of dimming system is higher. To meet customers requirements on perfect dimming effects.

Method: Turn off the power and then remove the housing of the LED driver to find right component an the PCB. Shift system by selecting different contact pin (for installation professionals use only). Factory default as common (for ordinary dimmers).

Ordinary Dimmer



Dimming System

