LED driver with phasecut dimmable
Driver Phasecut 150W/24V IP20 Radium

Radium

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

General Data

Article No.	OTDA3027
Code	DRIVER PHASECUT 150W/24V IP20 RADIUM
Product EAN	4003556009899
Customs tariff no.	85044082
Box quantitiy (pcs.)	15
EAN Box	4003556409897
Gross weight of box in kg	12.55
Length of box in m	0.3
Width of box in m	0.23
Height of box in m	0.021
ETIM class	EC002710
ETIM class name	LED driver
Weight	710 g
Product status	Active

Electric Parameters

Output power	0-150 W
effective input current	230 V

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Electric Parameters

Output Voltage	24 V
Inrush current	50 A
Input current	1.4 A
Current out	6.25 A
Supply frequency	50 / 60 Hz
Surge voltage resistance (L - N)	1 kV
dimmable	Yes

Light Application Parameters

Dimming range	0 - 100 %
Flicker	flicker-free IEEE 1789

Service Life

Service life	30000 h

Specification

Length	273 mm
Height	37 mm
Width	57 mm
Model	Dynamic

Notes on Operation

Degree of protection (IP)	IP20
Mean efficiency	85 %
Protection class	II
Range of storage temperature	-40...+80 °C
Ambient temperatures	-20…+45 °C
Tc Temperature max.	90 °C
max. relative air humidity	95 %
Dimming phase cut-off	Yes
Dimming phase cut-on	Yes
Dimming Touch and Dim	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 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 optinal field 'info about service life' contains the frame conditions according to standards based on which the specific service life has been
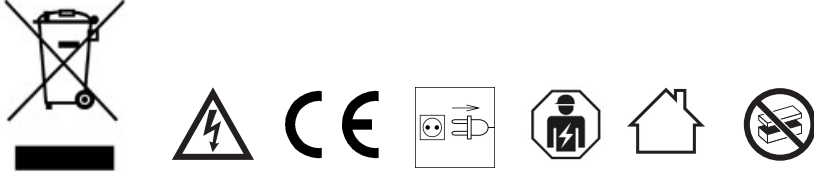
determined. So, for example, "12B50, 50Hz" means that the mean service life (B50) has been determined with a 12h switching cycle at mains (frequency 50Hz), "3B50, HF" is based on a 3h switching cycle at electronic control gear (high frequency).

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.
® = Registered trademark
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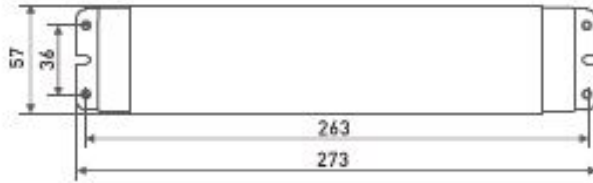
All technical data without guarantee.

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Dimensions

Wiring diagram

PHASECUT
0~100% dimming

Touch & DIM
0~100% dimming
Kurz drücken: on/off, lange drücken: dimmen

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 betwenn 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