

# LED driver with phasecut dimmable

## Driver Phasecut 75W/24V IP20 Radium

# Radium

Product Datasheet Date: 04.12.2020



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

## General Data

|                           |                                     |
|---------------------------|-------------------------------------|
| Article No.               | OTDA3026                            |
| Code                      | DRIVER PHASECUT 75W/24V IP20 RADIUM |
| Product EAN               | 4003556009882                       |
| Customs tariff no.        | 85044082                            |
| Box quantity (pcs.)       | 40                                  |
| EAN Box                   | 4003556409880                       |
| Gross weight of box in kg | 14.55                               |
| Length of box in m        | 0.465                               |
| Width of box in m         | 0.035                               |
| Height of box in m        | 0.0145                              |
| ETIM class                | EC002710                            |
| ETIM class name           | LED driver                          |
| Weight                    | 350 g                               |
| Product status            | Active                              |

## Electric Parameters

|              |        |
|--------------|--------|
| Output power | 0-75 W |
| Power factor | 0.98   |

Electric Parameters

|                                  |            |
|----------------------------------|------------|
| effective input current          | 230 V      |
| Output Voltage                   | 24 V       |
| Inrush current                   | 30 A       |
| Input current                    | 0.4 A      |
| Current out                      | 3.125 A    |
| Supply frequency                 | 50 / 60 Hz |
| Surge voltage resistance (L - N) | 2 kV       |
| Content of harmonics (THD)       | 6 %        |
| dimmable                         | Yes        |

Light Application Parameters

|               |                        |
|---------------|------------------------|
| Dimming range | 0 - 100 %              |
| PWM frequency | 3600 Hz                |
| Flicker       | flicker-free IEEE 1789 |

Service Life

|              |         |
|--------------|---------|
| Service life | 50000 h |
|--------------|---------|

Specification

|        |         |
|--------|---------|
| Length | 293 mm  |
| Height | 30 mm   |
| Width  | 43 mm   |
| Model  | Dynamic |

Notes on Operation

|                              |              |
|------------------------------|--------------|
| Degree of protection (IP)    | IP20         |
| Mean efficiency              | 88 %         |
| Protection class             | II           |
| Range of storage temperature | -40...+80 °C |
| Ambient temperatures         | -20...+50 °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          |
| Dimming with push-button     | Yes          |

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### Notes

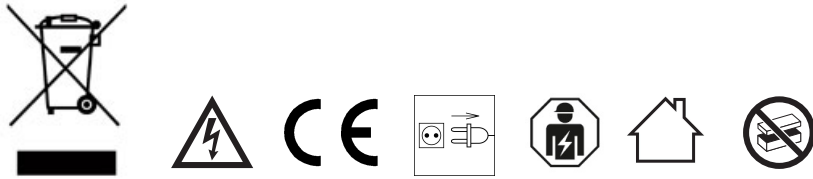
1 channel constant voltage supply 24V, dimmable by leading or trailing edge phasecut dimmer, for indoor applications

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).

### 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

Subject to change without notice. Errors and omissions excepted.

All technical data without guarantee.

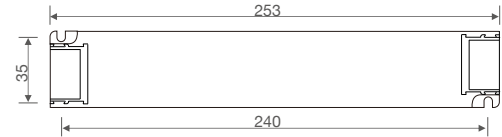
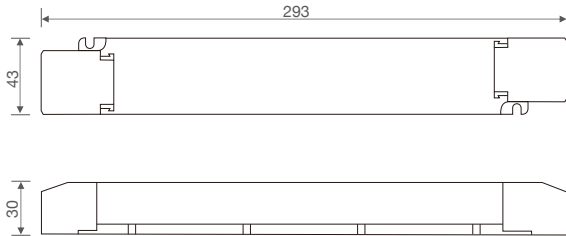
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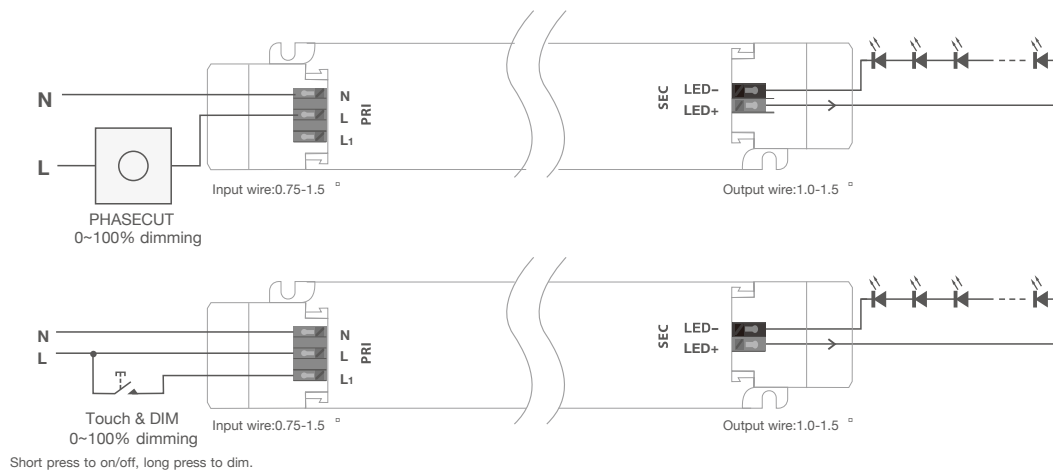
# Radium

All technical data without guarantee.

## Dimensions



## Wiring diagram



## Touch & DIM

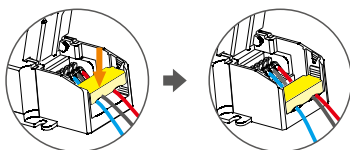


Reset switch

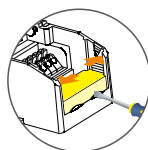
- On/off control: Short press.
- Stepless dimming: Long press.
- With every other long press, the brightness goes to the opposite direction.
- Dimming memory: The lights will return to its previous brightness value when short press on PUSH DIM button. Power on again after power cut, the output brightness is subjected to the input voltage of drivers.

## Application of protective cover

Wire pressing board:

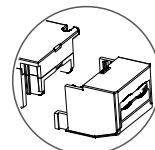
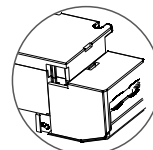
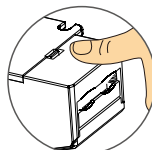


Push the wire pressing board to fix the wire.



Push outward the side plate, meanwhile use the tool to uninstall the wire pressing board.

Uninstall protective cover:



Break off the bottom left and right to remove the protective cover.