# DRIVER FLAT 120W/24V IP20 RADIUM

Product Datasheet Date: 02.07.2021


## General Data

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|---|---|
| Article No. | OTNA3105 |
| Code | DRIVER FLAT 120W/24V IP20 RADIUM |
| Product EAN | 4003556010048 |
| Customs tariff no. | 85044082 |
| Box quantitiy (pcs.) | 40 |
| EAN Box | 4003556410046 |
| Gross weight of box in kg | 11.55 |
| Length of box in m | 0.45 |
| Width of box in m | 0.24 |
| Height of box in m | 0.2 |
| ETIM class | EC002710 |
| ETIM class name | LED driver |
| Weight | 255 g |
| Product status | Active |

## Electric Parameters

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|---|---|
| Rated value output power max. | 120 W |
| Power factor | >0,95 |
| Input voltage (range) | 220-240 V |
| Output Voltage | 24 V |
| Surge voltage resistance (L - N) | 2 kV |
| Supply frequency | 50/60 Hz |
| Suitable for DC-voltage (primary side) | No |

## Electric Parameters

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|---|---|
| max. no. of lamps at 16A automatic fuse | 8 |

## Service Life

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

## Specification

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|---|---|
| Length | 190 mm |
| Height | 22 mm |
| Width | 65 mm |
| Model | Static |
| Material | Plastic |
| Weight | 255 g |

## Notes on Operation

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|---|---|
| Degree of protection (IP) | IP20 |
| Type of connection | spring clamp |
| Ambient temperatures | -25…+45 |
| Tc Temperature max. | 90 °C |
| Leistungslänge | max. 2m |

## Notes

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.
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**All technical data without guarantee.**

**Installation Instructions**
**The installation may only be carried out by an electrical specialist in accordance with international and national standards.**

**When working on electrical systems, protection against electric shock is to be ensured by disconnecting the system.**

**Install primary and secondary mains intersection-free (RFI protection).**
**The maximum output wire length of 2 m must not be exceeded.**

**Before switching on the supply voltage all LED must be completely wired and connected!**

The LED Driver is strictly suited for the use with LED that requires a constant voltage.

When connecting the LED, careful attention should be paid to connecting + and - to the right terminals on the LED Driver and the correct output voltage is set.
Due to incorrect setup of output voltage, the LEDs and /or the driver may be destroyed. Thus no guarantee is given.

The tc temperature may not be exceeded for any kind of mounting. The devices do not contain any serviceable components and may not be opened.

By removing the strain relief, the device can be used as built-in device.

**Important Information**
Our LED Drivers are surge-voltage-stable with values above those prescribed by the respective standards. As a protection against high voltage surges, as they occur e.g. when switching fluorescent lamps and discharge lamps with an inductive ballast, motors (fans, etc.) and other inductive charges, the load circuits for devices of this kind are to be clearly separated from each other.

**Safety Functions**
In case of a short circuit or overload the LED Driver will automatically cut off. It does not have a fuse of the conventional kind. Thus the load circuit is not separated! As soon as the defect has been repaired, the LED Driver will automatically cut back in.

**Excess Temperature**
In case of excess temperature through external heat sources or impermissible covers the function will be interrupted. The mains will not be disconnected. As soon as the LED Driver has cooled off, it will automatically cut back in.

**Heat Dissipation and Heat Transfer**
Operation in excess ambient temperature or through external heating will reduce the service life. During the installation process (particularly into luminaires), heat dissipation (heat transfer) is to be provided through suitable measures. The ambient temperature and/or tc temperature may not be exceeded at any time. We are not liable for damage resulting from improper use.

**Standards:** EN61347-1:2015,EN61347-2-13:2014/A1:2017,EN62493:2015, AS/NZS IEC61347.2.13:2013,AS/NZS 61347.1:2016

**EMC conformity:** EN55015:2013/A1:2015,EN61000-3-2:2014, EN61000-3-3:2013,EN61547:2009

**Anschlussbild – Installation diagram**