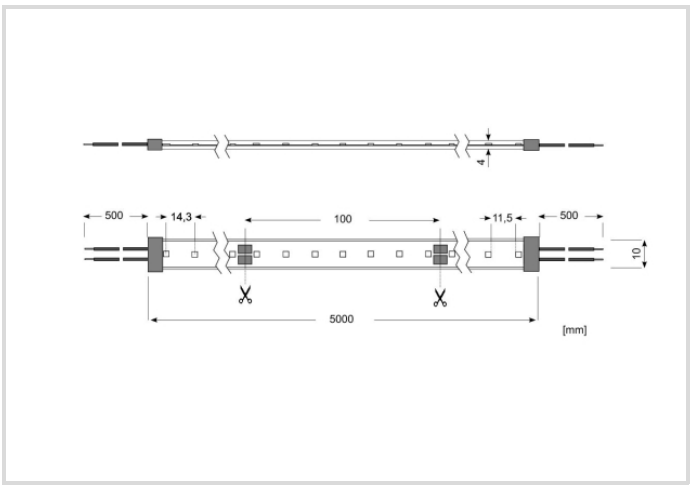
# LED Star Strip 400 Waterproof

LED STRIP 400 S 830/24V/IP67 5M

Radium

Product Datasheet Date: 26.05.2021




| A+ | 18 | 3,6 | 360 | 3000K | 60 000h | 18 m |
|---|---|---|---|---|---|---|

## General Data

| | |
|---|---|
| Article No. | RSTA2265 |
| Code | LED STRIP 400 S 830/24V/IP67 5M |
| Product EAN | 4003556007499 |
| Customs tariff no. | 94054039 |
| Box quantitiy (pcs.) | 10 |
| EAN Box | 4003556407497 |
| Gross weight of box in kg | 6.32 |
| Length of box in m | 0.355 |
| Width of box in m | 0.355 |
| Height of box in m | 0.41 |
| ETIM class | EC002706 |
| ETIM class name | Light ribbon-/hose/-strip |
| Weight | 440 g |
| Product status | Active |

## Electric Parameters

| | |
|---|---|
| Nominal power | 18 W |
| Watt per metre | 3,6 W/m |

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## Electric Parameters

| | |
|---|---|
| Energy Consumption kWh/1000h | 19 |
| Nominal voltage | 24 V |
| Voltage type | DC |
| Number of poles | 2 |

## Light Application Parameters

| | |
|---|---|
| Lumens per metre | 360 lm/m |
| Luminous flux / Reel | 1800 lm |
| Beam angle | 120 ° |
| Luminous efficiency | 100 lm/W |
| Colour of light | White |
| Colour temperature | 3000 K |
| Colour rendering index Ra | > 80 |
| Colour Stability | ≤ 4 sdcm |

## Service Life

| | |
|---|---|
| Rated life time L70/B10 at 25 °C | 60000 h |
| Guarantee up to | 5 years |

## Specification

| | |
|---|---|
| Length | 5000 mm |
| Height/depth | 4 mm |
| Width | 10 mm |
| No. of LEDs per meter | 70 |
| Distance of LEDs (Pitch) | 14,3 mm |
| Shortest cutable untit (SEU) | 100 mm |
| Lowest bending radius | 25 mm |
| Model | Tape |
| Self-adhesive | Yes |
| Weight | 440 g |

## Notes on Operation

| | |
|---|---|
| Degree of protection (IP) | IP67 |
| max. operable length | 18 m |
| Connection type | Solder |
| Conductor cross section | 0.32 $mm^2$ |
| Type of connection | Connector cable solderd on both ends |

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## Notes on Operation

| | |
|---|---|
| Ambient temperatures | -20…+45°C |
| Tc Temperature max. | 75 °C |
| Ambient temperature range operation | -20…+45°C |
| Type of control gear | LED operating device voltage-controlled |

## Notes

Flexible linear LED module with 400lm/m, waterproof, sticky back for mounting, for operation electronic driver required, length adjustable.

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

Observe safety instructions during assembly! Please, consider also: The LED module itself and all its components must not be stressed mechanically. The assembly must not damage or destroy conductor tracks on the circuit board. To avoid mechanical damage, the LED modules should be securely fastened to the intended ground. Pay attention to the correct polarity! A wrong polarity will not enable any light emission and may damage the LED module. Parallel connection is urgently recommended as a safe electrical operating mode. Series connection is not recommended. When mounting on metallic or other conductive surfaces, electrical insulation must be provided at the solder joints between the module and the mounting surface. Please make sure that the LED driver has sufficient power to operate the total load. It is the responsibility of the user to provide suitable protection against corrosive substances such as moisture and condensation as well as other harmful elements. For applications exposed to moisture and dust, the module must be protected by a device or housing with a suitable protection class. Radium does offer pre-assembly services. With our Strip Configurator, you can cut the strips to your desired length and combine them with matching aluminum profiles or have them glued directly in, as well as choose a suitable operating device for your application. Our team will be pleased to advise you.

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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### Safety instructions

The LED module does not provide protection against short circuits, overloads or overheating. In order to operate LED modules safely, it is necessary to operate them with a LED driver that protects against short circuits, overloads and overheating. To simplify the luminaire / installation approval, LED drivers and LED modules must bear the CE mark. The installation of LED modules (with LED driver) must be carried out in compliance with all applicable electrical and safety standards. Only qualified personnel may perform installations.

**All technical data without guarantee.**