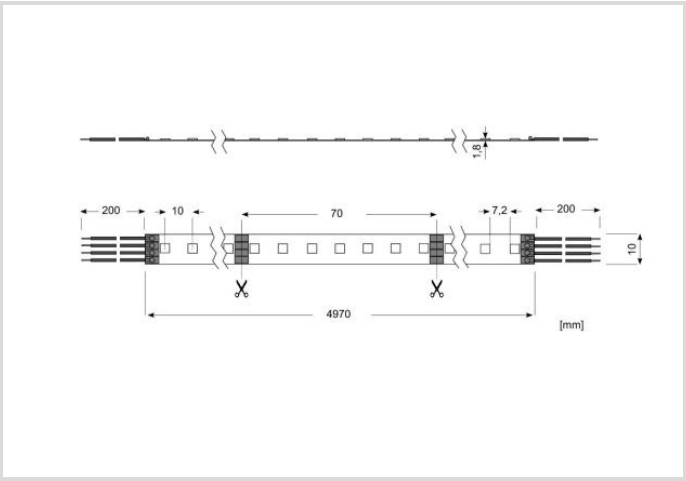
LED Essence Strip RGB
RL-FX 500 80W/RGB/5M

Radium

Product Datasheet Date: 30.10.2026





W	W/m	lm/m	Max	3 YEARS GUARANTEE
80	16.0	480	4.970 m	

General Data

Article No.	RFXA0626
Code	RL-FX 500 80W/RGB/5M
Product EAN	4003556005723
Box quantitiy (pcs.)	44
EAN Box	4003556405721
Gross weight of box in kg	8.3
Length of box in m	0.53
Width of box in m	0.23
Height of box in m	0.26
Product weight	160 g
Product status	Inactive

Electric Parameters

Nominal power	80.0 W
Watt per metre	16.0 W/m
Nominal voltage	24 V
Lamp voltage	24-24 V
Input voltage AC (range)	23-25 V

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Electric Parameters

Voltage type	DC
Inverse voltage	25 V
Nominal current (A)	3,33 A
Number of poles	4
Dimmable with fitting driver	Yes

Light Application Parameters

Luminous flux adjustable	Continuously variable
Luminous flux	2400 lm
Lum. flux / Meter	480 lm/m
Luminous flux / Reel	2400 lm
Beam angle adjustable	No
Beam angle	120 °
Efficacy / Luminous efficiency	25 lm/W
Colour of light adjustable	Continuously variable
Colour of light	RGB
Color rendering index	> 80

Service Life

Tc Temperature max.	65 °C
Lifetime L70B50	20000 h
Guarantee	3 years

Specification

Energylabel notice	old label, no EPREL registration, no EU data sheet
Length	4970 mm
Width	10 mm
No. of LEDs per meter	86
Distance of LEDs (Pitch)	11,76 mm
Shortest cutable unit (SEU)	70 mm
Lowest bending radius	25 mm
Length feed-in cable	200 mm
Model	Strip
Self-adhesive	Yes

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Notes on Operation

Degree of protection (IP)	IP20
max. operable length	4.970 m
Connection type	Solder
Type of connection	Connector cable solderd on both ends
Type of wiring	Suitable for through wiring
Permissible storage temperture	-30 °C - +85 °C
Ambient temperatures	-20…+40 °C
Tc Temperature max.	65 °C
Mounting method	Built-in
Type of control gear	LED operating device voltage-controlled
Fitting aluminium profile	TRPA2503, TRPA2513, TRPA2523, TRPA2533, TRPA2543, TRPA2553, TRPA2700

Information especially for EPREL

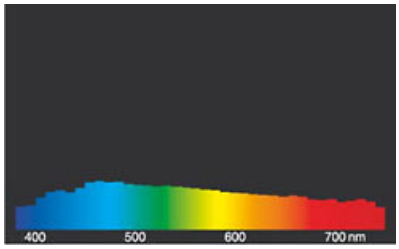
Energylabel notice	old label, no EPREL registration, no EU data sheet
Lighting technology	LED
Mains/Non mains connectable	NMLS
Directional or non-directional light	NDLS
Color tunable light source	No
Type of color temperature	SINGLE_VALUE

Notes

Flexible colour-changing LED module, sticky back for mounting, for operation driver, cooling (alu-profile) + control gear 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).

Spectrum
As daylight is a mixture of direct sunlight and light from the sky, the spectral distribution changes all the time due to the time of the day and the weather. The standard illuminant D65 corresponds to daylight with colour temperature of about 6500K.
The colour of coloured LEDs depends on the chemical elements within the light generating chip. The coloured light is generated directly and does not need filtering.
White LEDs are either RGB (red + green + blue chip in one LED = light colour white) or blue LED-chips with yellow/orange phosphor in the resin.
Visible region from 380 to 780 nm; height of graph corresponding with relative spectral emission (400mW/klm)per 10nm.



daylight(D 65)

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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. All lengths of LED strips, profiles, covers and cables are subject to standard industry tolerances and can therefore deviate.
Our team will be pleased to advise you, also regarding application and mounting questions.

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.

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.