Dimmer for Radio remote control
DIMMER RF 4CH 480W/12-36V IP20

Product Datasheet Date: 01.11.2026



General Data

Article No.	LMRA3971
Code	DIMMER RF 4CH 480W/12-36V IP20
Product EAN	4003556010697
Box quantitiy (pcs.)	100
EAN Box	4003556410695
Gross weight of box in kg	13
Length of box in m	0.38
Width of box in m	0.27
Height of box in m	0.28
Product weight	120 g
Product status	Discontinued product

Electric Parameters

Input voltage (range)	12 - 36 V
Current max. per channel	5 A
Number of Channels	4
PWM frequency	750 Hz
Power controlled max.	480.0 W
Dimming interface	RF

Service Life

Tc Temperature max.	75 °C

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Specification

Length	176 mm
Height max.	18 mm
Height	18 mm
Width	46 mm
Model	Controller unit

Notes on Operation

IP Class (Room/Ceiling)	IP20
Ambient temperatures	-20 ... +45°C
Tc Temperature max.	75 °C
Suitable Accessories	LMZA3973, LMZA4954

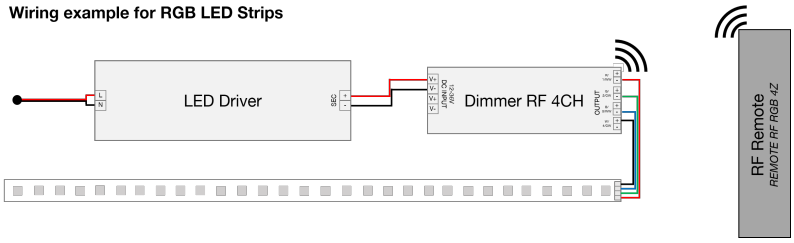
Notes

Four-channel dimmer for color mixing of RGB light + control of brightness by RF remote control, up to a max. control load of 480W in the 12-36V range.

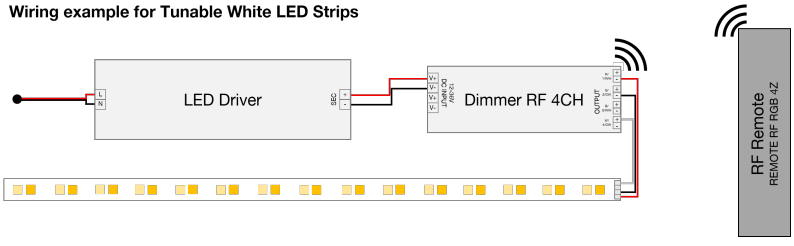
Please, refer to www.radium.de/recycling for notes on disposal of burned-out lamps as well as lamp breakage.
The "lifespan L70" described for LED lamps indicates the number of hours when the luminous flux has decreased to 70% of its initial value.
The optinal field 'info about service life' contains 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).

Circuit diagram(s)

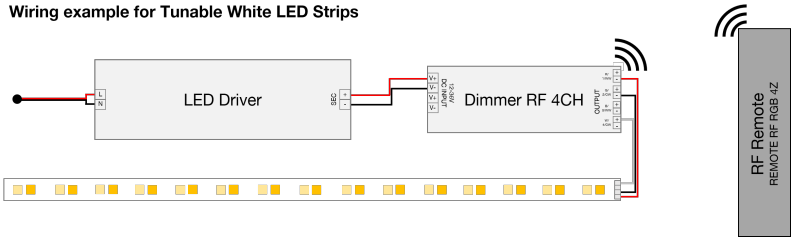
Wiring example for RGB LED Strips



Wiring example for Tunable White LED Strips



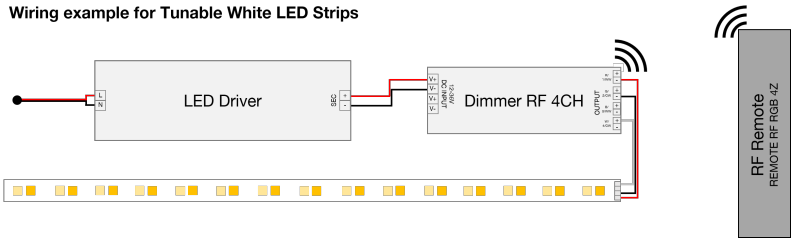
Wiring example for Tunable White LED Strips



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Radium

Wiring example for Tunable White LED Strips



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.