

LED Star 12V-RetroFit

RL-MR16 43 DIM 7,8W/12/927/WFL/GU5.3

Radium

Product Datasheet Date: 20.04.2026



A



G



7,8



500



2700K



40 000h



Dimmable



General Data

Article No.	43519241
Kod	RL-MR16 43 DIM 927/WFL
Product EAN	4008597192418
Box quantity (pcs.)	10
EAN Box	4008597492419
Gross weight of box in kg	0.773
Length of box in m	0.26
Width of box in m	0.11
Height of box in m	0.07
Product weight	65 g
Product status	● Nieaktywne

Electric Parameters

Wattage	7.8 W
Nominal power	7.8 W
Weighted energy consumption in 1000 hours	8 kWh
Lamp power	7.8-7.8 W
Power factor	> 0.50

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Electric Parameters

Nominal voltage	11,5-12 V
Voltage type	AC
Nominal current (mA)	980 mA
dimnable	Tak

Light Application Parameters

Luminous flux	500 lm
Rated lamp luminous flux	500 lm
Luminous flux in 90°-sector	500 lm lm
Luminous flux in 120°-sector	500 lm lm
Luminous intensity	1150 cd
Beam angle	36 °
Efficacy	64 lm/W
Total mains efficacy	64 lm/W
Color temperature	2700 K
Color rendering index	≥ 90
Color rendering index nominal	90-100
Color Stability	≤ 3 sdcn

Service Life

Average life	40000 h
Mean service life	40000 h
No. switching cycles	1000000
Lamp survival factor at 6000h	≥ 0.90
Early failure rate at 1000h	≤ 5.0 %
Guarantee	5 years

Specification

Energylabel notice	old label, no EPREL registration, no EU data sheet
Energylabel (G -> A)	G
Energylabel (E -> A++)	A
Diameter	51 mm
Length	45 mm
Length	53 mm
Burning position	any
Mercury content	0.0 mg

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Specification

Material	Glass
Photobiological safety according to EN 62471	RG0
Lamp shape	Reflector
Base	GU5.3
Colour	Other

Notes on Operation

Degree of protection (IP)	IP20
Burning position	any
Mode of operation	LV transformer
Ambient temperatures	-20...+40 °C
With movement sensor	Nie

Information especially for EPREL

Energylabel notice	old label, no EPREL registration, no EU data sheet
Lighting technology	LED
Directional or non-directional light	DLS
Color tunable light source	Nie
Type of color temperature	SINGLE_VALUE
Displacement factor EPREL	0.70
Lumen maintenance EPREL	0.93
Flicker	1.0
Stroboscopic effect	0.4
EPREL ID number	917895

Notes

MR16-LED, exchange with 12V halogen lamps, warm white light, glass bulb, dimmable, base GU5,3. LED light does not contain UV or IR radiation.

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 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).

Base



GU5.3
IEC/EN 60061-1
sheet 7004-109-2

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.

