

LED Star PAR16

RL-PAR16 50 DIM 5,5W/230/927/WFL/GU10

Radium

Product Datasheet Date: 31.01.2022



A+



G



5,5



350



2700K




25 000h



Dimmable



General Data

Article No.	43519193
Code	RL-PAR16 50 DIM 927/WFL
Product EAN	4008597191930
Customs tariff no.	85395200
Box quantity (pcs.)	10
EAN Box	4008597491931
Gross weight of box in kg	0.546
Length of box in m	0.254
Width of box in m	0.109
Height of box in m	0.068
ETIM class	EC001959
ETIM class name	LED-lamp/Multi-LED
Product status	 Phase Out

Electric Parameters

Nominal power	5,5 W
Rated wattage	5.5 W
Weighted energy consumption in 1,000 hours	6 kWh

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Electric Parameters

Power factor	> 0.80
Nominal voltage	220-240 V
Mains Voltage	220 - 240 V
Voltage type	AC
Nominal current	32-32 mA
Nominal current (mA)	32 mA
max. no. of Lps with 16A (B) circuit breaker with ballast (ECG, CCG no capacitor) / at mains	226
max. no. of Lps with 10A (B) circuit breaker with ballast (ECG, CCG no capacitor) / at mains	141
dimnable	Yes

Light Application Parameters

Rated lamp luminous flux	350 lm
Rated luminous flux acc. IEC 62722-2-1	350 lm
Luminous flux	350 lm
Luminous flux in 90°-sector	350 lm lm
Luminous flux in 120°-sector	350 lm lm
Luminous intensity	720 cd
Beam angle	36 °
Luminous efficiency	63 lm/W
Colour temperature	2700 K
Colour rendering index Ra	≥ 90
Coloure rendering index Ra nominal	80-89
Colour Stability	≤ 5 sdc _m

Service Life

Mean service life	25000 h
Average nominal lifespan	25000 h
No. switching cycles	100000
Lamp survival factor at 6000h	≥ 0.90
Early failure rate at 1000h	≤ 5.0 %
Guarantee up to	5 years

Specification

Energy Label A to G	G
Energylabel A++ to E	A+
Diameter	51 mm

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Specification

Length	55 mm
Mercury content	0.0 mg
Lamp shape	Reflector
Base	GU10
Colour	White

Notes on Operation

Degree of protection (IP)	IP20
Ambient temperatures	-20...+40 °C

Notes

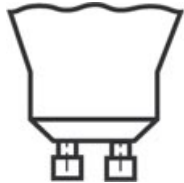
PAR16-LED for exchange with halogen lamps, warm white light, glass bulb, dimmable, base GU10. LED light does not contain UV or IR radiation.

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



GU10
IEC/EN 60061-1
sheet 7004-121-1

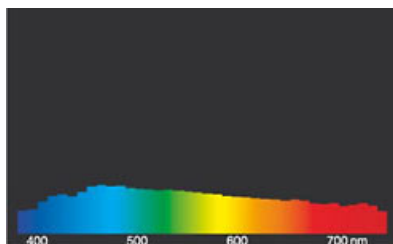
Spectrum

Da das Tageslicht eine Mischung von direktem Sonnenlicht und Himmelslicht darstellt, wechselt seine spektrale Zusammensetzung bedingt durch Tageszeit und Wetter ständig. Die Normlichtart D65 entspricht einem Tageslicht mit einer Farbtemperatur von ungefähr 6500 K.

Bei farbigen LEDs hängt die Lichtfarbe von den chemischen Elementen des lichterzeugenden Chips ab. Das farbige Licht wird direkt erzeugt und entsteht nicht erst durch den Filter.

Weißer LEDs sind entweder RGB (roter + grüner + blauer Chip in einer LED = Lichtfarbe weiß) oder blaue LED-Chips mit gelb/orange Leuchtstoff in der Vergussmasse.

Sichtbarer Bereich von 380 bis 780 nm; Bildhöhe entspricht der relativen spektralen Emission (400mW/klm) pro 10nm.



daylight(D 65)

Special features

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General notes

For LED replacement of halogen and incandescent lamps, we recommend direct replacement (1: 1) at the respective burning position. For new systems, the number of lamps in the circuit operated at control gear such as transformers or dimmers can be obtained from corresponding compatibility lists (if available). If there is no specification for the type of device or lamp required, for safety reasons, the replacement power shall be assumed as taht of the original halogen type (eg "RL-MR16 35" -> 35W, independent of the real power consumption).

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

To ensure full light efficiency and product life, the permissible temperature ranges must be observed and dry environment ensured. When operated with existing control gear, their compatibility with the lamp must be checked.

All technical data without guarantee.