

PRODUCT DATASHEET

DECOSTAR 51 PRO 50 W 12 V 24° GU5.3

DECOSTAR® 51 PRO | Halogen dichroic reflector lamps with 51 mm diameter



Areas of application

- General illumination
- Kitchen lighting
- Dining table lighting
- Mirror lighting
- Workplace lighting
- Shops
- Restaurants, hotels and similar prestigious applications

Product benefits

- Brilliant accent lighting
- Significantly lower CO₂ emissions compared to standard version
- Constant luminous intensity and constant color location throughout the lifetime
- Approved for use in open luminaires (to IEC 60598-1)
- UV filter
- Contains no mercury

Product features

- Average life: 5,000 h
- 100 % dimmable
- Color rendering index R_a: 100
- Color temperature: 3,000 K
- Diameter: 51 mm
- Deco cover
- IRC technology

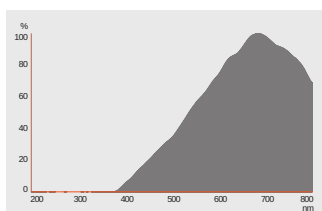
TECHNICAL DATA

Electrical data

Nominal wattage	50 W
Construction wattage	50.00 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	75 W
Power factor λ	1.00

Photometrical data

Luminous intensity	5300 cd
Luminous flux	1100 lm
Nominal useful luminous flux 90°	870 lm
Luminous efficacy	22 lm/W
Lumen main.fact.at end of nom.life time	0.75
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	100
Light color	1030
Rated peak intensity	5300 cd
UV protection	Yes



Light technical data

Beam angle	24 °
Warm-up time (60 %)	0.00 s
Starting time	0.0 s
Rated beam angle (half peak value)	24.00 °

Dimensions & Weight

Overall length	45.00 mm
Diameter	50.7 mm

Maximum diameter	51 mm
Product weight	30.55 g

Lifespan

Nominal lamp life time	5000 h
Number of switching cycles	125000

Additional product data

Base (standard designation)	GU5.3
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Reflector

Capabilities

Dimmable	Yes
Burning position	Any

Certificates & Standards

Energy efficiency class	B
Energy consumption	54.00 kWh/1000h



Country-specific categorizations

ILCOS	HRGS//UBIB-50-12-GU5.3-51/24
Order reference	48870 ECO FL

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GU5.3
Length	46.00 mm
Height	50.7 mm
Width	50.7 mm

DOWNLOAD DATA

DOWNLOAD DATA	
	CAD data 3-dim 320754_OSRAM DECOSTAR 51
	CAD data 3-dim 320755_OSRAM DECOSTAR 51

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300516691	Folding box 1	58 mm x 46 mm x 53 mm	38.00 g	0.14 dm ³
4050300533933	Shipping box 20	238 mm x 122 mm x 123 mm	836.00 g	3.57 dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.