PRODUCT DATASHEET
DECOSTAR 51 ALU 50 W 12 V 36° GU5.3

DECOSTAR® 51 ALU | Halogen alu coated glas reflector lamps with 51 mm diameter



Areas of application

- General illumination
- Shops
- Restaurants, hotels and similar prestigious applications
- Offices, public buildings

Product benefits

- Brilliant accent light
- No light can escape at the back of the reflector
- Approved for use in open luminaires (to IEC 60598-1)
- UV filter
- Aluminum-coated reflector without a shield reduces thermal load in luminaire
- Reduced thermal load: ~60 % compared with aluminum-coated reflectors with shield
- Reduced thermal load: ~80 % compared with dichroic reflectors with shield
- Contains no mercury

Product features

- Average life: 4,000 h
- 100 % dimmable
- Color rendering index R_a: 100
- Diameter: 51 mm

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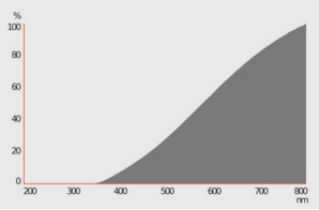
TECHNICAL DATA

Electrical data

Nominal wattage	50 W
Construction wattage	50.00 W
Nominal voltage	12 V
Power factor λ	1.00

Photometrical data

Luminous intensity	1800 cd
Luminous flux	680 lm
Nominal useful luminous flux 90°	680 lm
Luminous efficacy	13 lm/W
Lumen main.fact.at end of nom.life time	0.75
Light color (designation)	Warm White
Color temperature	2950 K
Color rendering index Ra	100
Light color	1029
Rated peak intensity	1800 cd
UV protection	Yes



Light technical data

Beam angle	36 °
Warm-up time (60 %)	0.00 s
Starting time	0.0 s
Rated beam angle (half peak value)	36.00 °

Dimensions & Weight

Overall length	46.00 mm
Diameter	50.7 mm
Maximum diameter	51 mm
Product weight	24.05 g

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Lifespan

Nominal lamp life time	4000 h
Number of switching cycles	100000

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	C
Energy consumption	54.00 kWh/1000h

Country-specific categorizations

ILCOS	HAGS//UB-50-12-GU5.3-51/36
Order reference	41871 WFL

Energy labellling 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
ZIP	CAD data 3-dim 320754_OSRAM DECOSTAR 51
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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume

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Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300428857	Folding box 1	46 mm x 46 mm x 58 mm	32.05 g	0.12 dm^3
4050300531663	Shipping box 20	172 mm x 122 mm x 174 mm	690.00 g	3.65 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.

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