
DECOSTAR 51S STAR

Halogen dichroic reflector lamps with 51 mm diameter and glass panel



Areas of application

- General illumination
- Entrance lighting
- Workplace lighting
- Kitchen lighting
- Mirror lighting
- Object lighting

Product benefits

- Brilliant accent light
- Dichroic reflector reduces the heat in the light beam by up to 66 %
- Approved for use in open luminaires (to IEC 60598-1)
- UV filter

Product features

- Average life: 2,000 h
- 100 % dimmable
- Color rendering index R_a : 100
- Base: GU5.3

Product family datasheet

Technical data

Product description	Electrical data				Photometrical data		Light technical data			Dimensions & weight	
	Nominal wattage	Nominal voltage	Rated wattage	Power factor λ	Color temperature	Color rendering index Ra	Beam angle	Starting time	Warm-up time (60 %)	Diameter	Overall length
DECOSTAR 51S ST 20 W 12 V 10° GU5.3	20.0 W	12.0 V	20.00 W	1.00	2800 K	100	10 °	0.0 s	0.00 s	51.0 mm	45.0 mm
DECOSTAR 51S ST 20 W 12 V 36° GU5.3	20.0 W	12.0 V	20.00 W	1.00	3000 K	100	36 °	0.0 s	0.00 s	51.0 mm	45.0 mm
DECOSTAR 51S ST 35 W 12 V 10° GU5.3	35.0 W	12.0 V	35.00 W	1.00	2900 K	100	10 °	0.0 s	0.00 s	51.0 mm	46.0 mm
DECOSTAR 51S ST 35 W 12 V 36° GU5.3	35.0 W	12.0 V	35.00 W	1.00	2900 K	100	36 °	0.0 s	0.00 s	51.0 mm	46.0 mm
DECOSTAR 51S ST 50 W 12 V 10° GU5.3	50.0 W	12.0 V	50.00 W	1.00	2950 K	100	10 °	0.0 s	0.00 s	51.0 mm	46.0 mm
DECOSTAR 51S ST 50 W 12 V 36° GU5.3	50.0 W	12.0 V	50.00 W	1.00	2950 K	100	36 °	0.0 s	0.00 s	51.0 mm	46.0 mm

Product description	Lifespan				Additional product data			Capabilities	
	Nominal lamp life time	Rated lamp life time	Number of switching cycles	Lumen main. fact. at end of nom. life time	Base (standard designation)	Lamp mercury content	Mercury-free	Burning position	Dimmable
DECOSTAR 51S ST 20 W 12 V 10° GU5.3	2000 h	2000 h	50000 ¹⁾	0.75	GU5.3	0.0 mg	Yes	Any	Yes
DECOSTAR 51S ST 20 W 12 V 36° GU5.3	2000 h	2000 h	50000 ¹⁾	0.75	GU5.3	0.0 mg	Yes	Any	Yes
DECOSTAR 51S ST 35 W 12 V 10° GU5.3	3000 h	3000 h	50000 ¹⁾	0.75	GU5.3	0.0 mg	Yes	Any	Yes
DECOSTAR 51S ST 35 W 12 V 36° GU5.3	3000 h	3000 h	50000 ¹⁾	0.75	GU5.3	0.0 mg	Yes	Any	Yes

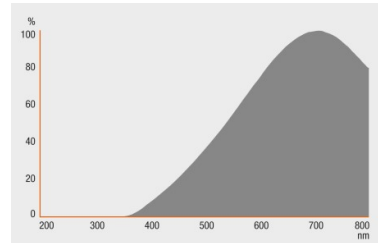
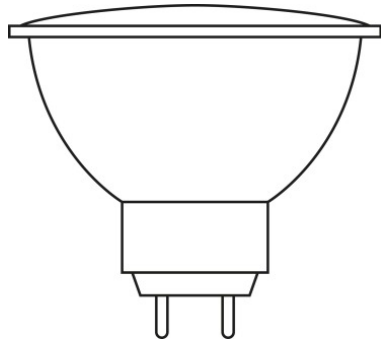
Product family datasheet

Product description	Lifespan				Additional product data			Capabilities	
	Nominal lamp life time	Rated lamp life time	Number of switching cycles	Lumen main. fact. at end of nom. life time	Base (standard designation)	Lamp mercury content	Mercury-free	Burning position	Dimmable
DECOSTAR 51S ST 50 W 12 V 10° GU5.3	2000 h	2000 h	50000 ¹⁾	0.75	GU5.3	0.0 mg	Yes	Any	Yes
DECOSTAR 51S ST 50 W 12 V 36° GU5.3	2000 h	2000 h	50000 ¹⁾	0.75	GU5.3	0.0 mg	Yes	Any	Yes

Product description	Certificates & standards		Country specific categorizations
	Energy efficiency class	Energy consumption	ILCOS
DECOSTAR 51S ST 20 W 12 V 10° GU5.3	B	22 kWh/1000h	HRGS//UB-20-12-GU5.3-51/10
DECOSTAR 51S ST 20 W 12 V 36° GU5.3	B	22 kWh/1000h	HRGS//UB-20-12-GU5.3-51/36
DECOSTAR 51S ST 35 W 12 V 10° GU5.3	B	38 kWh/1000h	HRGS//UB-35-12-GU5.3-51/10
DECOSTAR 51S ST 35 W 12 V 36° GU5.3	B	38 kWh/1000h	HRGS//UB-35-12-GU5.3-51/36
DECOSTAR 51S ST 50 W 12 V 10° GU5.3	B	53 kWh/1000h	HRGS//UB-50-12-GU5.3-51/10
DECOSTAR 51S ST 50 W 12 V 36° GU5.3	B	53 kWh/1000h	HRGS//UB-50-12-GU5.3-51/36

¹⁾ At 1 min on / 3 min off

Product family datasheet



DECOSTAR 51S ST 20 W 12 V 10°
GU5.3

DECOSTAR 51S ST 20 W 12 V 10°
GU5.3, DECOSTAR 51S ST 20 W 12 V
36° GU5.3, DECOSTAR 51S ST 35 W 12
V 10° GU5.3, DECOSTAR 51S ST 35 W
12 V 36° GU5.3, DECOSTAR 51S ST 50
W 12 V 10° GU5.3, DECOSTAR 51S ST
50 W 12 V 36° GU5.3

Application advice

For more detailed application information and graphics please see product datasheet.

Logistical Data

Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321200464	DECOSTAR 51S ST 20 W 12 V 10° GU5.3	Shipping carton box 20	290 mm x 134 mm x 254 mm	9.87 dm ³	1053.80 g
4008321200389	DECOSTAR 51S ST 20 W 12 V 36° GU5.3	Shipping carton box 20	290 mm x 134 mm x 254 mm	9.87 dm ³	936.00 g
4008321200488	DECOSTAR 51S ST 35 W 12 V 10° GU5.3	Shipping carton box 20	290 mm x 134 mm x 254 mm	9.87 dm ³	1056.16 g
4008321200402	DECOSTAR 51S ST 35 W 12 V 36° GU5.3	Shipping carton box 20	290 mm x 134 mm x 254 mm	9.87 dm ³	1029.92 g
4008321200525	DECOSTAR 51S ST 50 W 12 V 10° GU5.3	Shipping carton box 20	290 mm x 134 mm x 254 mm	9.87 dm ³	927.67 g
4008321200440	DECOSTAR 51S ST 50 W 12 V 36° GU5.3	Shipping carton box 20	290 mm x 134 mm x 254 mm	9.87 dm ³	896.67 g

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.

References / Links

For light distribution curves see

▶ www.osram.com

Disclaimer

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