
DECOSTAR 51 ECO 50 W 12 V 36° GU5.3

DECOSTAR 51 ECO | 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 ECO accent lighting
- Significantly lower CO₂ emissions
- Constant luminous intensity and constant color location throughout their life
- Approved for use in open luminaires (to IEC 60598-1)
- UV filter
- Contains no mercury

Product features

- Average life: 5,000 h
- Dimmable
- Color rendering index R_a: 100
- Color temperature: 3,000 K



Technical data

Electrical data

| | |
|--|---------|
| Nominal wattage | 50.00 W |
| Nominal voltage | 12 V |
| Rated wattage | 50.00 W |
| Claimed equiv. conventional lamp power | 75 W |
| Power factor λ | 1.00 |

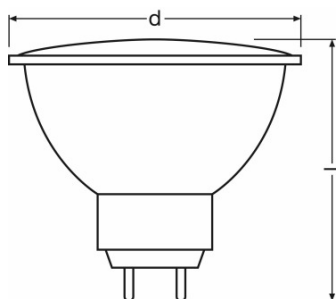
Photometrical data

| | |
|----------------------------------|------------|
| Nominal useful luminous flux 90° | 870 lm |
| Luminous intensity | 2850 cd |
| Color temperature | 3000 K |
| Light color as per EN 12464-1 | Warm White |
| Color rendering index Ra | 100 |
| Rated useful luminous flux 90° | 870 lm |

Light technical data

| | |
|---------------------|--------|
| Beam angle | 36 ° |
| Starting time | 0.0 s |
| Warm-up time (60 %) | 0.00 s |

Dimensions & weight



| | |
|------------------|---------|
| Diameter | 51.0 mm |
| Length | 46.0 mm |
| Overall length | 45.0 mm |
| Outer bulb | MR51 |
| Maximum diameter | 51.0 mm |

Product datasheet

Lifespan

| | |
|---|----------------------|
| Nominal lamp life time | 5000 h |
| Rated lamp life time | 5000 h |
| Number of switching cycles | 125000 ¹⁾ |
| Lumen main.fact.at end of nom.life time | 0.75 |

¹⁾ At 1 min on / 3 min off

Additional product data

| | |
|-----------------------------|--------|
| Base (standard designation) | GU5.3 |
| Lamp mercury content | 0.0 mg |
| Mercury-free | Yes |

Capabilities

| | |
|------------------|-----|
| Burning position | Any |
| Dimmable | Yes |

Certificates & standards

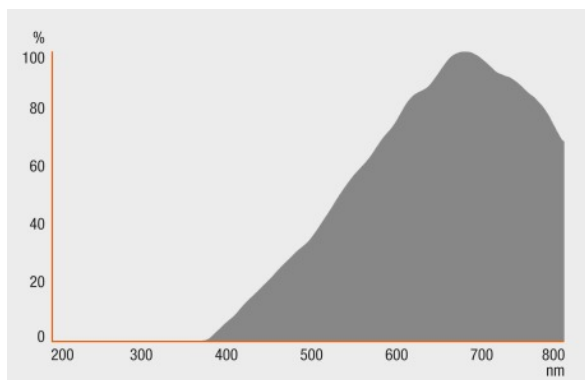
| | |
|-------------------------|--------------|
| Energy efficiency class | B |
| Energy consumption | 53 kWh/1000h |

Country specific categorizations

| | |
|-----------------|------------------------------|
| ILCOS | HRGS//UBIB-50-12-GU5.3-51/36 |
| Order reference | 48870 ECOWFL 50 |

Product datasheet

Light Distribution



Spectral power distribution

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|--|------------------------------|--------------------------------------|----------------------|--------------|
| 4050300516714 | DECOSTAR 51 ECO 50 W 12 V 36° GU5.3 | Shipping carton box 20 | 238 mm x 122 mm x 123 mm | 3.57 dm ³ | 836.00 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.