

PRODUCT FAMILY DATASHEET

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

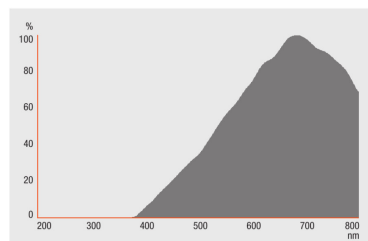
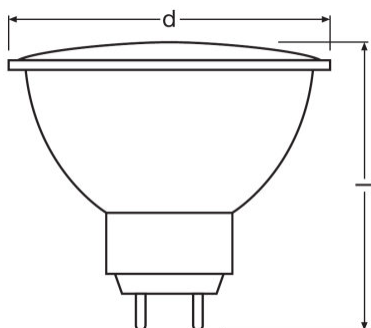
- Average life: 5,000 h
- 100 % dimmable
- Color rendering index R_a: 100
- Color temperature: 3,000 K
- Diameter: 51 mm
- Deco cover
- IRC technology

TECHNICAL DATA

| Product description | Electrical data | | | | Photometrical data | | | | | | |
|-------------------------------------|-----------------|-----------------|---------------|------------------------|--------------------|---------------------------|--------------------------|---|-------------------|---------------|--------------------------|
| | Nominal wattage | Nominal voltage | Rated wattage | Power factor λ | Color temperature | Light color (designation) | Color rendering index Ra | Lumen main.fact.at end of nom.life time | Color temperature | Luminous flux | Color rendering index Ra |
| DECOSTAR 51 PRO 14 W 12 V 10° GU5.3 | 14.00 W | 12.0 V | 14.00 W | 1.00 | 3000 K | Warm White | 100 | 0.75 | 3000 K | 180 lm | 100 |
| DECOSTAR 51 PRO 14 W 12 V 36° GU5.3 | 14.00 W | 12.0 V | 14.00 W | 1.00 | 3000 K | Warm White | 100 | 0.75 | 3000 K | 180 lm | 100 |
| DECOSTAR 51 PRO 20 W 12 V 10° GU5.3 | 20.00 W | 12 V | 20.00 W | 1.00 | 3000 K | Warm White | 100 | 0.75 | 3000 K | 380 lm | 100 |
| DECOSTAR 51 PRO 20 W 12 V 24° GU5.3 | 20.00 W | 12 V | 20.00 W | 1.00 | 3000 K | Warm White | 100 | 0.75 | 3000 K | 380 lm | 100 |
| DECOSTAR 51 PRO 20 W 12 V 36° GU5.3 | 20.00 W | 12 V | 20.00 W | 1.00 | 3000 K | Warm White | 100 | 0.75 | 3000 K | 380 lm | 100 |
| DECOSTAR 51 PRO 20 W 12 V 60° GU5.3 | 20.00 W | 12 V | 20.00 W | 1.00 | 3000 K | Warm White | 100 | 0.75 | 3000 K | 380 lm | 100 |
| DECOSTAR 51 PRO 35 W 12 V 10° GU5.3 | 35.00 W | 12 V | 35.00 W | 1.00 | 3000 K | Warm White | 100 | 0.75 | 3000 K | 800 lm | 100 |
| DECOSTAR 51 PRO 35 W 12 V 24° GU5.3 | 35.00 W | 12 V | 35.00 W | 1.00 | 3000 K | Warm White | 100 | 0.75 | 3000 K | 620 lm | 100 |
| DECOSTAR 51 PRO 35 W 12 V 36° GU5.3 | 35.00 W | 12 V | 35.00 W | 1.00 | 3000 K | Warm White | 100 | 0.75 | 3000 K | 620 lm | 100 |
| DECOSTAR 51 PRO 35 W 12 V 60° GU5.3 | 35.00 W | 12 V | 35.00 W | 1.00 | 3000 K | Warm White | 100 | 0.75 | 3000 K | 800 lm | 100 |
| DECOSTAR 51 PRO 50 W 12 V 10° GU5.3 | 50.00 W | 12 V | 50.00 W | 1.00 | 3000 K | Warm White | 100 | 0.75 | 3000 K | 870 lm | 100 |
| DECOSTAR 51 PRO 50 W 12 V 24° GU5.3 | 50.00 W | 12 V | 50.00 W | 1.00 | 3000 K | Warm White | 100 | 0.75 | 3000 K | 1100 lm | 100 |
| DECOSTAR 51 PRO 50 W 12 V 36° GU5.3 | 50.00 W | 12 V | 50.00 W | 1.00 | 3000 K | Warm White | 100 | 0.75 | 3000 K | 870 lm | 100 |
| DECOSTAR 51 PRO 50 W 12 V 60° GU5.3 | 50.00 W | 12 V | 50.00 W | 1.00 | 3000 K | Warm White | 100 | 0.75 | 3000 K | 1100 lm | 100 |

| Product description | Light technical data | | | Dimensions & weight | Lifespan | | | Additional product data | | |
|-------------------------------------|----------------------|---------------|---------------------|---------------------|------------------------|----------------------|----------------------------|-----------------------------|-----------------|--------------|
| | Beam angle | Starting time | Warm-up time (60 %) | | Nominal lamp life time | Rated lamp life time | Number of switching cycles | Base (standard designation) | Mercury content | Mercury-free |
| DECOSTAR 51 PRO 14 W 12 V 10° GU5.3 | 10 ° | 0.0 s | 0.00 s | 50.7 mm | 5000 h | 5000 h | 125000 | GU5.3 | 0.0 mg | Yes |
| DECOSTAR 51 PRO 14 W 12 V 36° GU5.3 | 36 ° | 0.0 s | 0.00 s | 50.7 mm | 5000 h | 5000 h | 125000 | GU5.3 | 0.0 mg | Yes |
| DECOSTAR 51 PRO 20 W 12 V 10° GU5.3 | 10 ° | 0.0 s | 0.00 s | 51.0 mm | 5000 h | 5000 h | 125000 | GU5.3 | 0.0 mg | Yes |
| DECOSTAR 51 PRO 20 W 12 V 24° GU5.3 | 24 ° | 0.0 s | 0.00 s | 51.0 mm | 5000 h | 5000 h | 125000 | GU5.3 | 0.0 mg | Yes |
| DECOSTAR 51 PRO 20 W 12 V 36° GU5.3 | 36 ° | 0.0 s | 0.00 s | 51.0 mm | 5000 h | 5000 h | 125000 | GU5.3 | 0.0 mg | Yes |
| DECOSTAR 51 PRO 20 W 12 V 60° GU5.3 | 60 ° | 0.0 s | 0.00 s | 51.0 mm | 5000 h | 5000 h | 125000 | GU5.3 | 0.0 mg | Yes |
| DECOSTAR 51 PRO 35 W 12 V 10° GU5.3 | 10 ° | 0.0 s | 0.00 s | 50.0 mm | 5000 h | 5000 h | 125000 | GU5.3 | 0.0 mg | Yes |
| DECOSTAR 51 PRO 35 W 12 V 24° GU5.3 | 24 ° | 0.0 s | 0.00 s | 51.0 mm | 5000 h | 5000 h | 125000 | GU5.3 | 0.0 mg | Yes |
| DECOSTAR 51 PRO 35 W 12 V 36° GU5.3 | 36 ° | 0.0 s | 0.00 s | 51.0 mm | 5000 h | 5000 h | 125000 | GU5.3 | 0.0 mg | Yes |
| DECOSTAR 51 PRO 35 W 12 V 60° GU5.3 | 60 ° | 0.0 s | 0.00 s | 51.0 mm | 5000 h | 5000 h | 125000 | GU5.3 | 0.0 mg | Yes |
| DECOSTAR 51 PRO 50 W 12 V 10° GU5.3 | 10 ° | 0.0 s | 0.00 s | 51.0 mm | 5000 h | 5000 h | 125000 | GU5.3 | 0.0 mg | Yes |
| DECOSTAR 51 PRO 50 W 12 V 24° GU5.3 | 24 ° | 0.0 s | 0.00 s | 51.0 mm | 5000 h | 5000 h | 125000 | GU5.3 | 0.0 mg | Yes |
| DECOSTAR 51 PRO 50 W 12 V 36° GU5.3 | 36 ° | 0.0 s | 0.00 s | 51.0 mm | 5000 h | 5000 h | 125000 | GU5.3 | 0.0 mg | Yes |
| DECOSTAR 51 PRO 50 W 12 V 60° GU5.3 | 60 ° | 0.0 s | 0.00 s | 51.0 mm | 5000 h | 5000 h | 125000 | GU5.3 | 0.0 mg | Yes |

| Product description | Capabilities | | Certificates & standards | Country-specific categorizations |
|-------------------------------------|------------------|----------|--------------------------|----------------------------------|
| | Burning position | Dimmable | Energy consumption | ILCOS |
| DECOSTAR 51 PRO 14 W 12 V 10° GU5.3 | Any | Yes | 16 kWh/1000h | HRGS//UBIB-14-12-GU5.3-51/10 |
| DECOSTAR 51 PRO 14 W 12 V 36° GU5.3 | Any | Yes | 16 kWh/1000h | HRGS//UB-14-12-GU5.3-51/36 |
| DECOSTAR 51 PRO 20 W 12 V 10° GU5.3 | Any | Yes | 22 kWh/1000h | HRGS//UBIB-20-12-GU5.3-51/10 |
| DECOSTAR 51 PRO 20 W 12 V 24° GU5.3 | Any | Yes | 22 kWh/1000h | HRGS//UBIB-20-12-GU5.3-51/24 |
| DECOSTAR 51 PRO 20 W 12 V 36° GU5.3 | Any | Yes | 22 kWh/1000h | HRGS//UBIB-20-12-GU5.3-51/36 |
| DECOSTAR 51 PRO 20 W 12 V 60° GU5.3 | Any | Yes | 22 kWh/1000h | HRGS//UBIB-20-12-GU5.3-51/60 |
| DECOSTAR 51 PRO 35 W 12 V 10° GU5.3 | Any | Yes | 38 kWh/1000h | HRGS//UBIB-35-12-GU5.3-51/10 |
| DECOSTAR 51 PRO 35 W 12 V 24° GU5.3 | Any | Yes | 38 kWh/1000h | HRGS//UBIB-35-12-GU5.3-51/24 |
| DECOSTAR 51 PRO 35 W 12 V 36° GU5.3 | Any | Yes | 38 kWh/1000h | HRGS//UBIB-35-12-GU5.3-51/36 |
| DECOSTAR 51 PRO 35 W 12 V 60° GU5.3 | Any | Yes | 38 kWh/1000h | HRGS//UBIB-35-12-GU5.3-51/60 |
| DECOSTAR 51 PRO 50 W 12 V 10° GU5.3 | Any | Yes | 54 kWh/1000h | HRGS//UBIB-50-12-GU5.3-51/10 |
| DECOSTAR 51 PRO 50 W 12 V 24° GU5.3 | Any | Yes | 54 kWh/1000h | HRGS//UBIB-50-12-GU5.3-51/24 |
| DECOSTAR 51 PRO 50 W 12 V 36° GU5.3 | Any | Yes | 54 kWh/1000h | HRGS//UBIB-50-12-GU5.3-51/36 |
| DECOSTAR 51 PRO 50 W 12 V 60° GU5.3 | Any | Yes | 54 kWh/1000h | HRGS//UBIB-50-12-GU5.3-51/60 |



DECOSTAR 51 PRO 14 W 12 V 10° GU5.3, DECOSTAR 51 PRO 14 W 12 V 36° GU5.3, DECOSTAR 51 PRO 20 W 12 V 10° GU5.3, DECOSTAR 51 PRO 20 W 12 V 24° GU5.3, DECOSTAR 51 PRO 20 W 12 V 36° GU5.3, DECOSTAR 51 PRO 20 W 12 V 60° GU5.3, DECOSTAR 51 PRO 35 W 12 V 10° GU5.3, DECOSTAR 51 PRO 35 W 12 V 24° GU5.3, DECOSTAR 51 PRO 35 W 12 V 36° GU5.3, DECOSTAR 51 PRO 35 W 12 V 60° GU5.3, DECOSTAR 51 PRO 50 W 12 V 10° GU5.3, DECOSTAR 51 PRO 50 W 12 V 24° GU5.3, DECOSTAR 51 PRO 50 W 12 V 36° GU5.3, DECOSTAR 51 PRO 50 W 12 V 60° GU5.3

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APPLICATION ADVICE

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

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4008321945037 | Shipping carton box 20 | 107 mm x 122 mm x 240 mm | 876.00 g | 3.13 dm ³ |
| 4008321945051 | Shipping carton box 20 | 238 mm x 122 mm x 108 mm | 876.00 g | 3.14 dm ³ |
| 4050300620176 | Shipping carton box 20 | 238 mm x 122 mm x 123 mm | 836.00 g | 3.57 dm ³ |
| 4050300620190 | Shipping carton box 20 | 238 mm x 119 mm x 106 mm | 836.00 g | 3.00 dm ³ |
| 4050300956893 | Shipping carton box 20 | 238 mm x 119 mm x 106 mm | 836.00 g | 3.00 dm ³ |
| 4050300620237 | Shipping carton box 20 | 105 mm x 122 mm x 244 mm | 836.00 g | 3.13 dm ³ |
| 4050300533889 | Shipping carton box 20 | 140 mm x 123 mm x 208 mm | 836.00 g | 3.58 dm ³ |
| 4050300533896 | Shipping carton box 20 | 238 mm x 119 mm x 106 mm | 836.00 g | 3.00 dm ³ |
| 4050300533902 | Shipping carton box 20 | 238 mm x 122 mm x 106 mm | 836.00 g | 3.08 dm ³ |
| 4050300533919 | Shipping carton box 20 | 238 mm x 124 mm x 106 mm | 836.00 g | 3.13 dm ³ |
| 4050300533926 | Shipping carton box 20 | 238 mm x 122 mm x 109 mm | 836.00 g | 3.16 dm ³ |
| 4050300533933 | Shipping carton box 20 | 238 mm x 122 mm x 123 mm | 836.00 g | 3.57 dm ³ |
| 4050300533940 | Shipping carton box 20 | 238 mm x 122 mm x 123 mm | 836.00 g | 3.57 dm ³ |
| 4050300533957 | Shipping carton box 20 | 238 mm x 126 mm x 109 mm | 836.00 g | 3.27 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.