

Datasheet

Item No.: 55222

Line: AMBIENT LINE

EAN: 4260751132221

LED Reflector MR16 Ambiente Diming

Shape: Reflector

Glass: frosted

500 lm - 2000-3000 K

Dimmable: yes

Unit: 10 / 40

Photometric data

Useful luminous flux, in Lumen (Φ_{use-90°): 500

Colour temperature, in Kelvin: 2000-3000

Beam angle, in degree - approx.: 40

Directed Light Source (DLS)/ Non Directed Light Source (NDLS): DLS

Light colour, designation: warm white

Chromaticity coordinates: x= 0,440 y= 0,403

Colour rendering index, Ra: 90

R9 index, red sated: 50

Rated peak luminous intensity, in candela: 900

Standard deviation of the color balance, SDCM: <6

Lifetime, in hours: 25000h

Switching cycles: 100000

Lumen maintenance factor X_{LMF} , acc. to appx. V (endurance test): 0,9581

Lumen maintenance, at the end of the nominal life: $\geq 0,7$

Survival factor: 0,9

High- Luminance light source: nein/no

Anti-glare shield: nein/no

Envelope: keine / no

Electrical data:

Rated power (P_{on}), in Watt: 7

Lamp current, in mA: 600

Equivalent Power consumption - conventional product, in Watt: 45

Standby Power (P_{sb}) / (P_{net}) in Watt: <0,5

Nominal voltage - Operating frequency: 12V

Mains light source (MLS) / non-mains light source (NMLS): NMLS

Connected Light Source (CLS): no // color-tuneable light source (CTLS): no

Mains power factor ($\cos\phi_1$): NA

Flicker metric (Pst LM): NA

Stroboscopic effect metric (SVM): NA

Mechanical data:

Base designation: GU5.3

Product diameter, in mm - approx.: 50

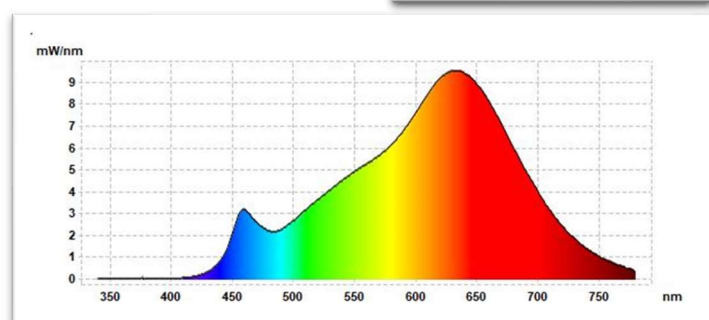
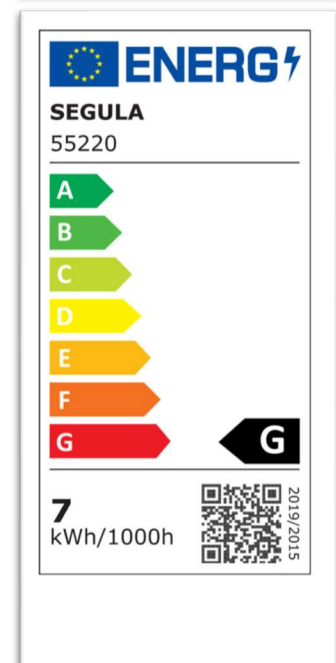
Product length, in mm - approx.: 48

Product weight, in grams - approx.: 50

Operating temperature: -20 to 35 °C

Starting time: < 0,5 s

Warm-up time (to 60 %): sofort



Further product features of SEGULA light bulbs:

Dimmable*: Yes, on most commercial and professional dimmers.

Dimming range: 0 – 100%

* A selection of tested products can be found at: <https://www.segula.de/downloads/>

Please also note the respective technical data of the individual dimmer manufacturers.

10 Product advantages of SEGULA light bulbs:

- Longer service life due to the use of modern filament technology
- Reduced maintenance costs due to rare lamp changes
- Lower heat generation compared to conventional incandescent lamps
- The appearance and mechanical data is similar to those of conventional incandescent lamps
- Power consumption is lower than conventional incandescent, halogen and ESL lamps
- Different light colours are available (- see colour temperature)
- A simple exchange is possible. Regarding dimmers, please note the information*
- Less sensitive to vibration than conventional incandescent lamps
- Full luminous intensity is available immediately, without start-up time or burn-in time
- The lamps are mercury-free

SEGULA illuminant, known for the perfect bulb replacement completely without heat sink. Characteristically well-known forms provide for classical appearance - unusual and artistic forms create modern accents. Consistent, accurate quality standards ensure the fulfilment of the usual long service life. Various types of glass coatings and surface treatments have always been an integral part of the wide selection of decorative products from the entire range.

Application areas of SEGULA light bulbs:

LED's are used in all living areas - decorative, modern lights can be equipped with LED technology as well as antique chandeliers. This results in many applications in open luminaires:

- Ideal for studio lighting, lighting for show effects or in TV-shows, theatrical lighting.
- For professional applications in gastronomy, hotels and shops.
- Particularly suitable for areas with high requirements on stepless dimming.
- Suitable for use in opera houses and for TV recordings, inrush currents known.
- For use in areas with requirement on high Colour Rendering Index.

Not for use in damp rooms, saunas and outdoor applications. Not for use in fully enclosed luminaires without circulation capability. (Please note that it must only be used in dust- and explosion-proof areas). For decorative installations after suitability test.

Technical data: The data given refer to one piece of light source.

The listed values are to be regarded as average values (median). Individual parameters may deviate from this. LED light sources and technical products are subject to a continuous improvement process. We retain the right to amend the product.