

Datasheet

Item No.: 55807
Line: BRIGHT LINE
EAN: 4260751138070

LED Tube High Power frosted
Shape: Tube
Glass: frosted

780 lm - 2700 K
Dimmable: yes
Unit: 24 / 96

Photometric data

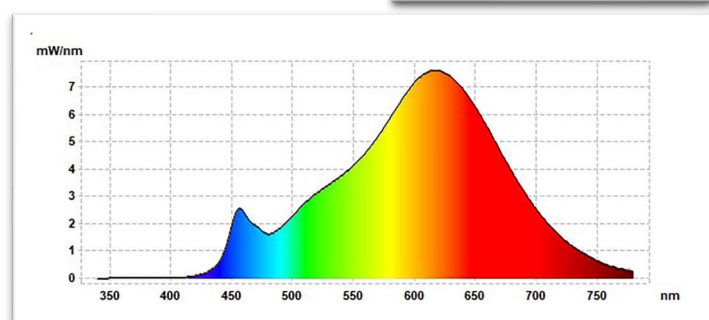
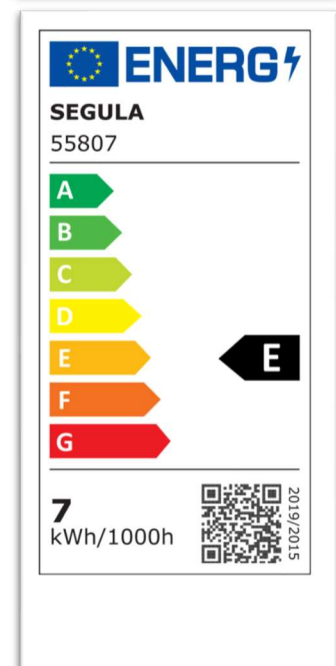
Useful luminous flux, in Lumen ($\Phi_{use-360^\circ}$): 780
Colour temperature, in Kelvin: 2700
Beam angle, in degree - approx.: 280
Directed Light Source (DLS)/ Non Directed Light Source (NDLS): NDLS
Light colour, designation: warm white
Chromaticity coordinates: x= 0,458 y= 0,41
Colour rendering index, Ra: 90
R9 index, red sated: 45
Standard deviation of the color balance, SDCM: <6
Lifetime, in hours: 20000h
Switching cycles: 100000
Lumen maintenance factor χ_{LMF} , acc. to. appx. V (endurance test): 0,96
Lumen maintenance, at the end of the nominal life: $\geq 0,7$
Survival factor: 1
High- Luminance light source: NA
Anti-glare shield: NA
Envelope: ja, matt / yes, matened

Electrical data:

Rated power (P_{on}), in Watt: 6,7
Lamp current, in mA: 40
Equivalent Power consumption - conventional product, in Watt: 58
Standby Power (P_{sb}) / (P_{net}) in Watt: <0,5
Nominal voltage - Operating frequency: 220-240 V~ / 50-60 Hz
Mains light source (MLS) / non-mains light source (NMLS): MLS
Connected Light Source (CLS): no // color-tuneable light source (CTLS): no
Mains power factor ($\cos\phi_1$): 0,8
Flicker metric (P_{st} LM): <1
Stroboscopic effect metric (SVM): <0,4

Mechanical data:

Base designation: E27
Product diameter, in mm - approx.: 32
Product length, in mm - approx.: 115
Product weight, in grams - approx.: 55
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.