

## Datasheet

Item No.: 50412  
Line: SOFT LINE  
EAN: 4260751134126

LED Soft Tube T20 clear  
Shape: Tube  
Glass: clear

190 lm - 2200 K  
Dimmable: yes  
Unit: 24 / 96

### Photometric data

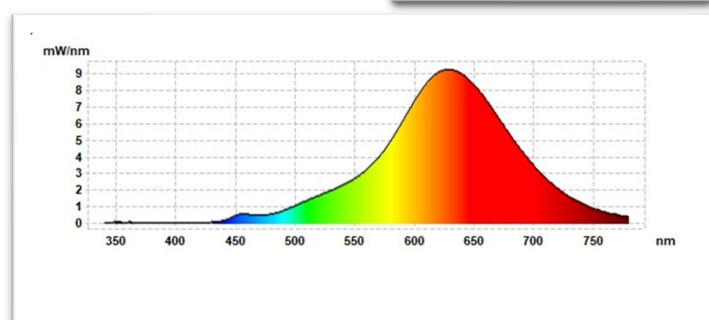
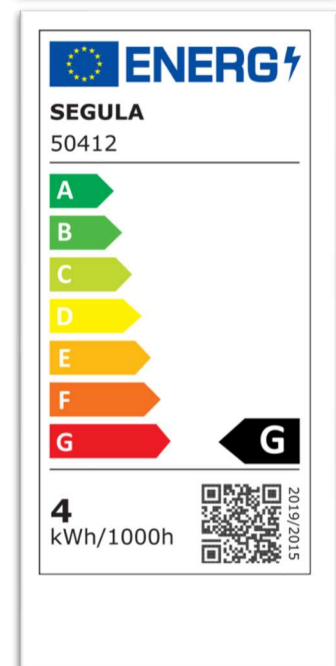
Useful luminous flux, in Lumen ( $\Phi_{use-360^\circ}$ ): 190  
Colour temperature, in Kelvin: 2200  
Beam angle, in degree - approx.: 330  
Directed Light Source (DLS)/ Non Directed Light Source (NDLS): NDLS  
Light colour, designation: warm white  
Chromaticity coordinates: x= 0,5018 y= 0,4153  
Colour rendering index, Ra: 90  
R9 index, red sated: 35  
Standard deviation of the color balance, SDCM: <6  
Lifetime, in hours: 20000h  
Switching cycles: 100000  
Lumen maintenance factor  $\chi_{LMF}$ , 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: keine / no

### Electrical data:

Rated power ( $P_{on}$ ), in Watt: 3,2  
Lamp current, in mA: 18  
Equivalent Power consumption - conventional product, in Watt: 20  
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 (Pst LM): 0,1  
Stroboscopic effect metric (SVM): 0,1

### Mechanical data:

Base designation: E14  
Product diameter, in mm - approx.: 20  
Product length, in mm - approx.: 115  
Product weight, in grams - approx.: 30  
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.