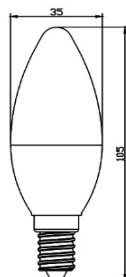


Product Datasheet



Products Family : Bulbs & Tubes
Products Name : Candle Bulbs

Datasheet is valid for following Model numbers

Product Code	CCT	Socket
BA09-00510	3000K	E14
BA09-00511	4000K	E14
BA09-00513	6500K	E14

Manufacturer:
Demgrup international lighting limited
unit d 16/f,one capital place,18 luard road
wan chai, Hong Kong
www.demgrup.com.tr

Importer / Company:
Braytron S.R.L
Bulevardul iuliu maniu,nr.616, corp B
etaj 1 sector 6,061129 bucuresti, Romania
info@braytron.com www.braytron.com

Test condition:light for 30 mins under nominal voltage input and 25°C±1°working environment

General Characteristics

- Family : Bulbs & Tubes
- Sub Family : Candle Bulbs
- Mounting Type : Socket
- Lamp Shape : Non-Directional
- Dimmable : Not-Dimmable
- Light Source : LED
- Socket : E14
- Warranty : 2 yrs
- Class : CLASS II
- IP : IP20

Lamp Characteristics

- Wattage : 5 w
- Color Temperature : 3000K/4000K/6500K
- Luminous Flux(whole Product) : 450 lm
- Luminous Flux(LED System) : 450 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : F
- Beam Angle : 180 degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

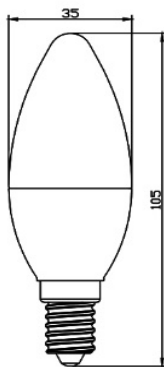
- Lifetime (L70B50) : 15000 hrs
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : >0,5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 12500
- Material : Thermoplastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment humidity(working) : 10%~65%

Test condition:light for 30 mins under nominal voltage input and 25°C±1°working environment

Lamp Dimensions & Weight

- Diameter : 35 mm
- Height : 105 mm
- Weight(Net) : 16 gr
- Cutout :

Technical Drawing(s)



Reliability requirements and Test Conditions

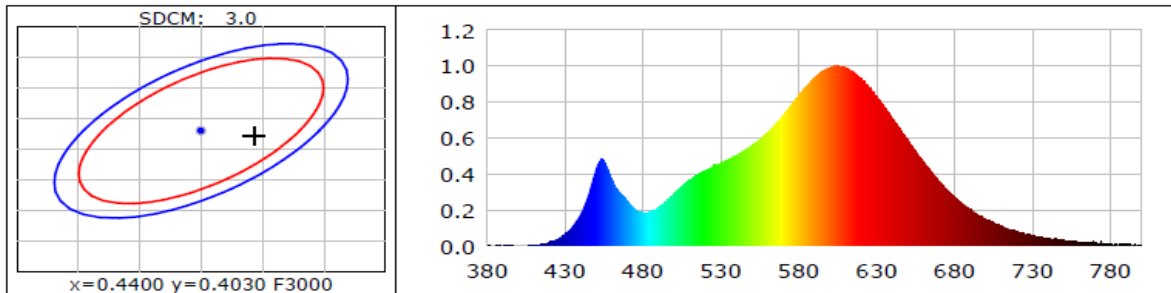
- **Lumen maintenance**
Lumen maintenance is not lower than 89.9% after lighting for 2.5h on and 0.5h off for one cycle.
Total 1200 cycle and 3600h including 3000h on and 600h off.
- **Working life (L70B50)**
Under nominal voltage input, working life is forced not lower than 15000 h at 25°C±1°C
- **Remarks:**
Declared values above may vary ±5



Test condition: light for 30 mins under nominal voltage input and 25°C±1° working environment

Optical and electrical test parameter:

Chromaticity coordinates: $x=0.4443$ $y=0.4022$ $u(u')=0.2562$ $v=0.3478$ $v'=0.5217$
 CCT: $T_c=2864K$ ($duv=-0.00167$) Color Ratio: $R=0.240$ $G=0.734$ $B=0.025$
 Peak Wavelength: 603.3nm Half Bandwidth: 119.2nm
 Dominant Wavelength: 603.4nm Color Purity: 0.541
 CRI: $R_a=82.7$ TM30: $R_f=85$, $R_g=96$
 GAI: $GAI_BB_8=98.0$, $GAI_BB_15=105.3$, $GAI_EES=52.5$
 R1 =82 R2 =92 R3 =95 R4 =81 R5 =83 R6 =92 R7 =80 R8 =58
 R9 =8 R10=83 R11=80 R12=76 R13=84 R14=98 R15=74
 Color Quality Scale: $Q_a=82.3$, $Q_f=83.9$, $Q_p=84.5$, $Q_g=91.8$
 Q1 =78 Q2 =94 Q3 =84 Q4 =80 Q5 =83 Q6 =84 Q7 =83 Q8 =85
 Q9 =95 Q10=90 Q11=86 Q12=83 Q13=82 Q14=72 Q15=74



Photometric Parameters

Luminous Flux: 474.67 lm
 EEI: 0.12

Efficiency: 92.71 lm/W
 Energy Efficiency Class: A+ (EU 874-2012)

Radiant Power: 1.458 W

Electric Parameters

Voltage: 230.40V
 Power Factor: 0.5610

Current: 0.0400A
 Frequency: 49.99Hz

Power: 5.12W

Test Information

Scan Range: 380~800:1nm
 Stabilization Time: 3 Min ALC.: 1.0000
 Max of Signal: 45158 (2334)

Photometric Method: sphere-spectroradiometer
 Photometric Condition: Sphere diameter: 1.50m, 4T
 CCD Integration Time: 718.78 ms