

Product Datasheet



Products Family : Bulbs
Products Name : LED Filament Bulbs

Datasheet is valid for following Model numbers

| Product Code | CCT |
|--------------|-------|
| BA41-30720 | 3000K |
| BA41-30723 | 6500K |

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

Importer/Brand Owner:
Braytron S.R.L
Bulevardul iuliu maniu,nr.616, corp B
etaj 3 sector 6,061129 bucuresti, Romania
info@braytron.com www.braytron.com

Test condition: light for 15 mins under nominal voltage input and 25°C±1° working environment

General Characteristics

- Family : Bulbs
- Sub Family : LED Filament Bulbs
- Mounting Type : Socket
- Socket : E27
- Lamp Shape : Non-Directional
- Dimmable : No(Optional)
- Light Source : LED
- Warranty : 2 years

Electrical Characteristics

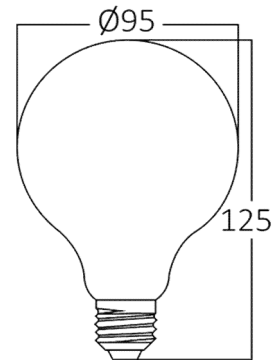
- Lifetime (at 2.7 hrs/day) : 15000 h
- Voltage : 220-240 V
- Frequency : 50-60 Hz
- Current : 33 mA
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : 0.7
- Number of Switch Cycles : > 12500
- Material : Glass
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment humidity(working) : 10%~60%

Lamp Characteristics

- Wattage : 7 w
- Equivalent : 60 w
- Color Temperature : 3000K/6500K
- Color Category : Warm White/Cool White
- Luminous Flux : 806 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : A++
- Beam Angle : 360 Degree(s)
- SDCM : < 6

Lamp Dimensions & Weight

- Diameter : 95 mm
- Height : 125 mm
- Weight(Net) : 59 gr



Reliability requirements

- Lumen maintenance : Lumen maintenance is not lower than 92% after lighting for 3000h, and not lower than 88% after lighting for 6000H and not lower than 70% after lighting for 70% of lifespan
- Working life : Under nominal voltage input, working life is forced not lower than 15000h in 25°C±1°C

Remarks:

Declared values above may vary ±%5



Optical and electrical test parameter:

Color Parameter

Chroma Coordinate: $x=0.4541$ $y=0.4228$ $u=0.2535$ $v=0.354$

Chroma Coordinate: $u'=0.2535$ $v'=0.531$

CCT.: CCT=2827K Dominant: $d=582.1\text{nm}$ Barycenter: $b=593\text{nm}$ Peak Wavelength: $p=600.7\text{nm}$

FWHM: 120.1nm Purity: $Pe=63.14\%$ Red Ratio: $R=0.232$ Green Ratio: $G=0.742$ Blue Ratio: $B=0.026$

Color CRI.: $Ra=81.28$

| | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|
| R 1=79 | R 2=91 | R 3=95 | R 4=78 | R 5=79 | R 6=91 | R 7=81 |
| R 8=55 | R 9=0 | R10=81 | R11=77 | R12=71 | R13=82 | R14=98 |
| R15=70 | | | | | | |

Luminosity Parameter

Luminous Flux(380-780nm): 813.011lm Optical Power(380-780nm): 2.149W Efficient(380-780nm): 111.4lm/W

Electric Parameter

Voltage: $U=229.7\text{V}$ Current: $I=58\text{mA}$ Power: $P=7.3\text{W}$ PF: $PF=0.544$

Device State

Wavelength Range: $380\text{nm}-780\text{nm}$ Wavelength Interval: 1nm

SDCM : 5.8 SDCM

