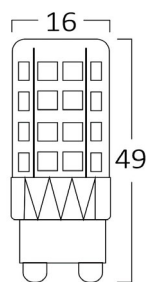


Product Datasheet



Products Family : Bulbs & Tubes
Products Name : Capsule Bulbs

Datasheet is valid for following Model numbers

Product Code	CCT	Socket
BA29-00590	3000K	G9
BA29-00593	6500K	G9

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 : Capsule Bulbs
- Mounting Type : Socket
- Lamp Shape : Non-Directional
- Dimmable : Not-Dimmable
- Light Source : LED
- Socket : G9
- Warranty : 2 yrs
- Class : CLASS II
- IP : IP20

Lamp Characteristics

- Wattage : 5 w
- Color Temperature : 3000K/6500K
- Luminous Flux(whole Product) : 430 lm
- Luminous Flux(LED System) : 430 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : F
- Beam Angle : 240 degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

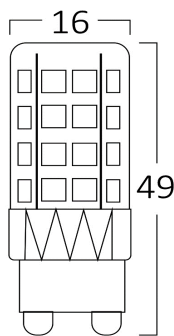
- Lifetime (L70B50) : 15000 hrs
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : <0,5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 12500
- Material : Thermoplastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- 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 : 16 mm
- Height : 49 mm
- Weight(Net) : 11,5 gr
- Cutout :

Technical Drawing(s)



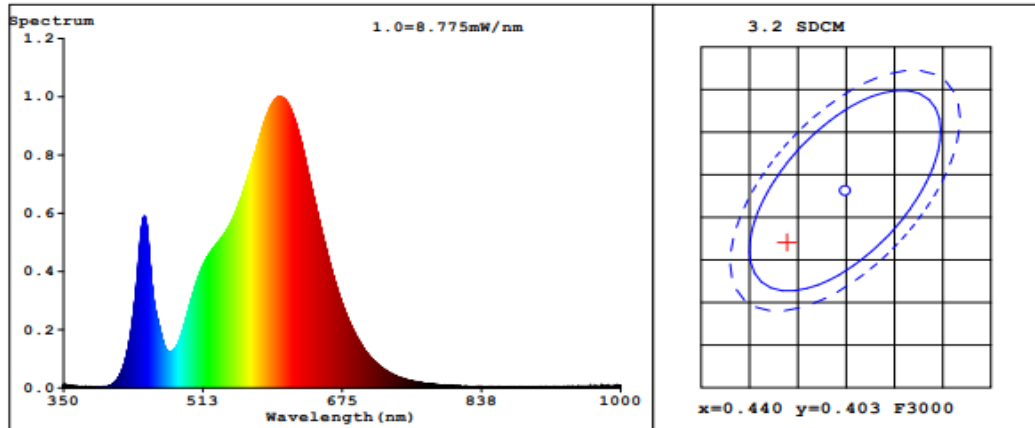
Reliability requirements and Test Conditions

- **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:



Color Parameters:

Chromaticity Coordinate: $x=0.4339$ $y=0.3969/u'=0.2517$ $v'=0.5181$
 CCT=2992K (Duv=-0.0025) Dominant WL:Ld =583.8nm Purity=49.4%
 Ratio:R=22.9% G=74.9% B=2.2% Peak WL:Lp=600.0nm FWHM=123.4nm
 Render Index:Ra=80.9 CRI=75.3 AvgR=75.0
 R1 =79 R2 =88 R3 =96 R4 =80 R5 =80 R6 =86 R7 =81
 R8 =56 R9 =0 R10=74 R11=80 R12=73 R13=81 R14=98 R15=71

Photo Parameters:

Flux = 423.6 lm Eff. : 104.90 lm/W Fe = 1.291 W Scotopic:553.42 S/P:1.3064
 Photosynthetic:PPF:5.9917umol/s PAR WATT:1249.1mW(400-700nm)

Electrical parameters:

V = 230.73 V I = 0.03799 A P = 4.038 W PF = 0.4607