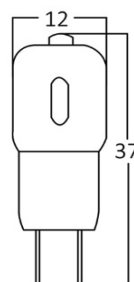


Product Datasheet



Products Family : Bulbs & Tubes
Products Name : LED Bulbs

Datasheet is valid for following Model numbers

Product Code	CCT	Socket
BA29-30240	2700K	G4
BA29-30243	6500K	G4

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

Lamp Characteristics

- Wattage : 1,5 w
- Color Temperature : 2700K/6500K
- Luminous Flux(whole Product) : 140 lm
- Luminous Flux(LED System) : 140 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : F
- Equivalent : 15 w
- Beam Angle : 240 Degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

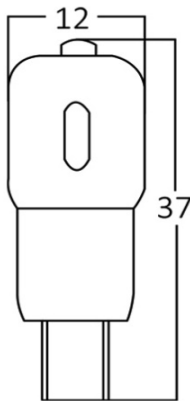
- Lifetime (L70B50) : 15000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.9
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 12500
- Material : Thermoplastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- 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(mm) : 12
- Height(mm) : 37
- Weight(gr) : 2,1

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

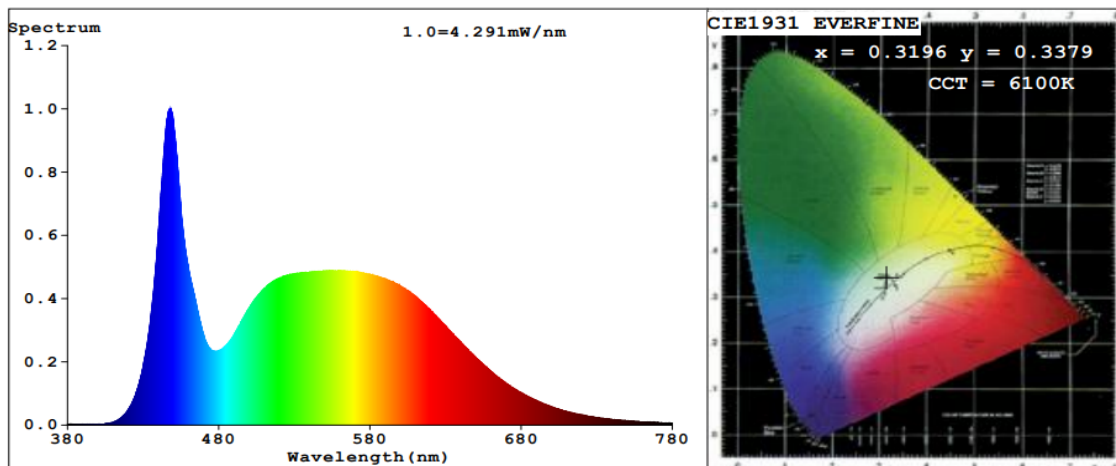
- **Remarks:**

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: $x=0.3196$ $y=0.3379$ / $u'=0.1993$ $v'=0.4740$

CCT=6100K (Duv=0.0043) Dominant WL: $\lambda_d = 496.0\text{nm}$ Purity=4.4%

Ratio: R=14.0% G=80.8% B=5.2% Peak WL: $\lambda_p = 448.3\text{nm}$ FWHM=21.5nm

Render Index: $R_a=83.9$ CRI=77.1 AvgR=77.1

R1 =82 R2 =87 R3 =90 R4 =85 R5 =84 R6 =83 R7 =89

R8 =72 R9 =14 R10=69 R11=85 R12=63 R13=83 R14=95 R15=77

Photo Parameters:

Flux = 138.3 lm Eff. : 102.45 lm/W $\Phi_e = 446.2\text{ mW}$ Scotopic: 300.67 S/P: 2.1746

Photosynthetic: PPF: 1.9776 $\mu\text{mol/s}$ PAR WATT: 438.55mW (400-700nm)

Electrical parameters:

V = 11.997 V I = 0.1125 A P = 1.350 W PF = 1.000