

Product Datasheet



Products Family : Bulbs & Tubes
Products Name : LED Bulbs

Datasheet is valid for following Model numbers

Product Code	CCT	Socket
BA35-00410	2700K	E14
BA35-00413	6500K	E14
BA36-00410	2700K	E14
BA36-00413	6500K	E14
BA36-00420	2700K	E27
BA37-00410	2700K	E14
BA37-00420	2700K	E27
BA39-00420	2700K	E27

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 : 4 w
- Color Temperature : 2700K/6500K
- Luminous Flux(whole Product) : 470 lm
- Luminous Flux(LED System) : 470 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : E
- Equivalent : 40 w
- Beam Angle : 300 Degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

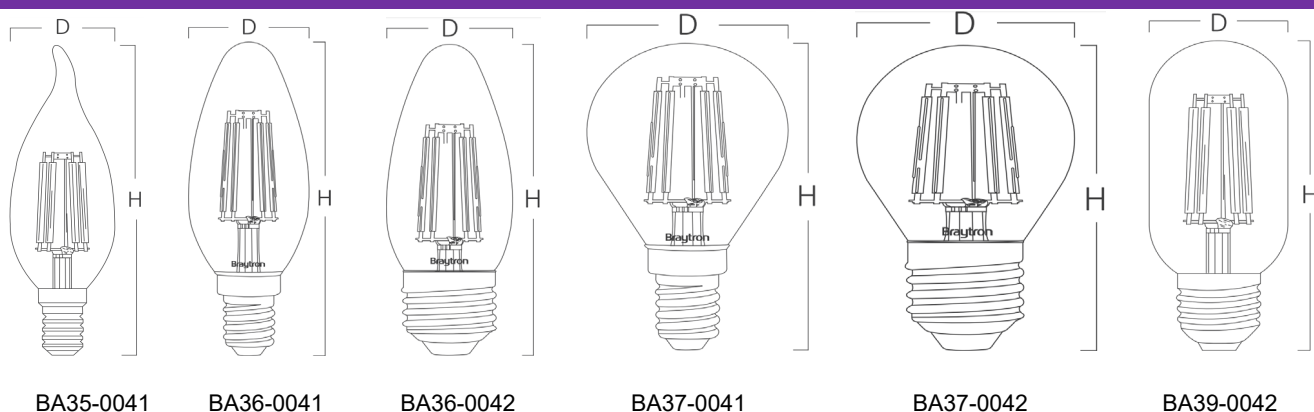
- Lifetime (L70B50) : 15000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 12500
- Material : Glass
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment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

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

Lamp Dimensions & Weight

Product Code	Socket	Diameter(mm)	Height(mm)	Weight(gr)
BA35-0041	E14	35	120	13,4
BA36-0041	E14	35	100	13
BA36-0042	E27	35	100	13
BA37-0041	E14	45	78	14
BA37-0042	E27	45	72	17
BA39-0042	E27	45	110	27

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 Parameter

Chroma Coordinate:x=0.4607 y=0.423 u=0.2576 v=0.3547

Chroma Coordinate:u'=0.2576 v'=0.5321

CCT.:CCT=2783K Dominant: d=581.8nm Barycenter: b=594nm Peak Wavelength: p=604.9nm

FWHM: 112.7nm Purity:Pe=65.46% Red Ratio:R=0.239 Green Ratio:G=0.737 Blue Ratio:B=0.024

Color CRI.:Ra=80.74

R 1=79

R 2=91

R 3=95

R 4=78

R 5=79

R 6=91

R 7=80

R 8=53

R 9=-3

R10=80

R11=77

R12=72

R13=82

R14=98

R15=69

Luminosity Parameter

Luminous Flux(380-780nm):475.398lm Optical Power(380-780nm):1.5W Efficient(380-780nm):118.8lm/W

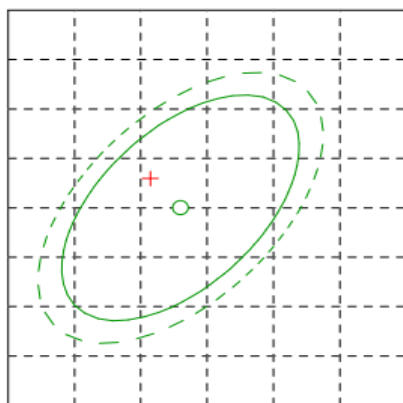
Electric Parameter

Voltage: U=230V Current: I=32mA Power: P=4W PF: PF=0.546

Device State

Wavelength Range: 380nm-780nm Wavelength Interval: 1nm

SDCM: : 2.7 SDCM



x=0.463 y=0.420 IEC2700K

