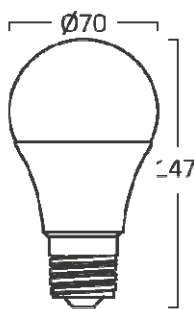


Product Datasheet



Products Family : Bulbs & Tubes
Products Name : A Shape Bulbs

Datasheet is valid for following Model numbers

Product Code	CCT	Socket
BA13-01820	3000K	E27
BA13-01821	4000K	E27
BA13-01823	6500K	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 : A Shape Bulbs
- Mounting Type : Socket
- Lamp Shape : Non-Directional
- Dimmable : Not-Dimmable
- Light Source : LED
- Socket : E27
- Warranty : 2 yrs
- Class : CLASS II
- IP : IP20

Lamp Characteristics

- Wattage : 18 w
- Color Temperature : 3000K/4000K/6500K
- Luminous Flux(whole Product) : 1800 lm
- Luminous Flux(LED System) : 1800 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : F
- Beam Angle : 180 degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

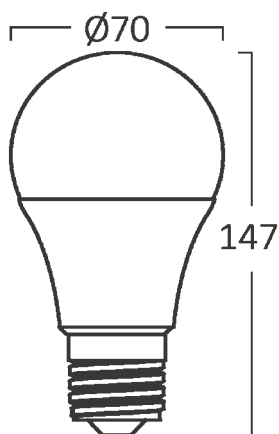
- Lifetime (L70B50) : 15000 hrs
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : >0,5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 12500
- Material : Thermoplastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- 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 : 70 mm
- Height : 147 mm
- Weight(Net) : 62 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:**

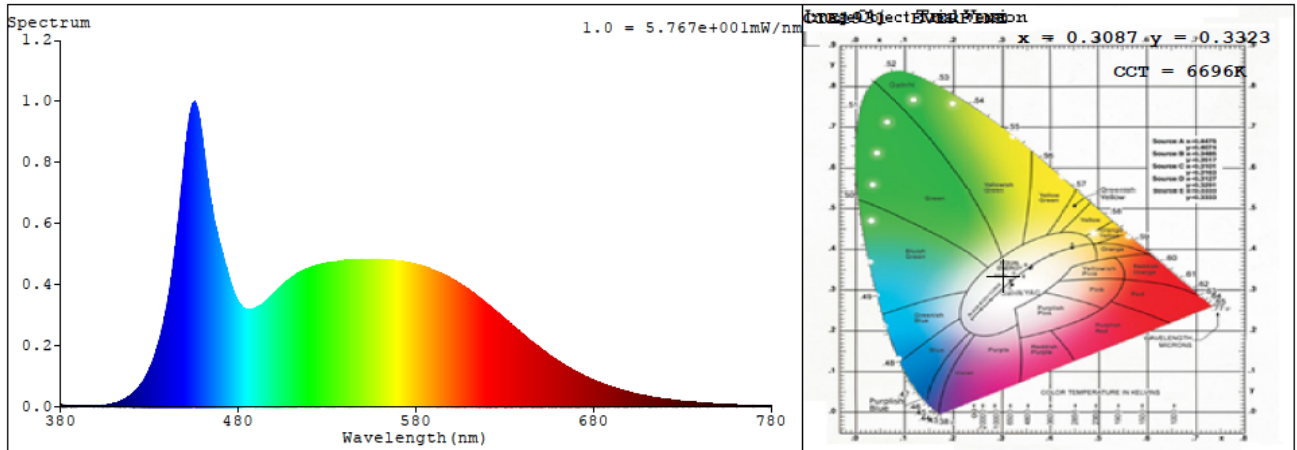
Declared values above may vary ±5



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

Optical and electrical test parameter:

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3087$ $y = 0.3323$ / $u' = 0.1938$ $v' = 0.4695$ ($duv=6.92e-03$)

CCT= 6696K Prcp WL: $L_d=491.2nm$ Purity=8.4%

Peak WL: $L_p=456nm$ FWHM: $=27.2nm$ Ratio: R=13.2% G=80.3% B=6.5%

Render Index: $R_a = 84.6$ $AvgR = 77.9$

EEL: 0.12237 A+

R1 =83 R2 =92 R3 =95 R4 =80 R5 =83 R6 =87 R7 =88

R8 =70 R9 =12 R10=79 R11=80 R12=60 R13=86 R14=97 R15=77

Photometric & Radiometric Parameters

Flux = 1845.5 lm Eff. : 111.32 lm/W $F_e = 6.0320 W$

Electrical parameters

V = 230.26 V I = 0.1206 A P = 16.58 W PF = 0.5970 F=50.00 Hz