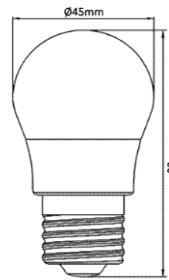


Product Datasheet



Products Family : Bulbs
Products Name : LED Globe Bulbs

Datasheet is valid for following Model numbers

Product Code	CCT
BA11-00520	3000K
BA11-00521	4000K
BA11-00523	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 Globe Bulbs
- Mounting Type : Socket
- Socket : E27
- Lamp Shape : Non-Directional
- Dimmable : No(Optional)
- Light Source : LED
- Warranty : 2 years

Electrical Characteristics

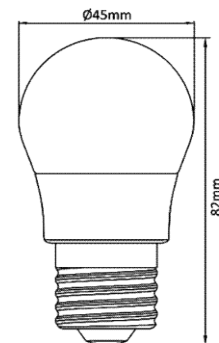
- Lifetime (at 2.7 hrs/day) : 15000 h
- Voltage : 220-240 V
- Frequency : 50-60 Hz
- Current : 43 mA
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : 0.7
- Number of Switch Cycles : > 12500
- Material : Plastic+Aluminium
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment humidity(working) : 10%~60%

Lamp Characteristics

- Wattage : 5 w
- Equivalent : 35 w
- Color Temperatue : 3000K/4000K/6500K
- Color Category : Warm White/Natural White/Cool White
- Luminous Flux : 400 lm
- Color Rendering Index(CRI) : 80
- Energy Efficiency Level : A+
- Beam Angle : 180 Degree(s)
- Chromaticity(SDCM) : < 6

Lamp Dimensions & Weight

- Diameter : 45 mm
- Height : 82 mm
- Weight(Net) : 21 gr

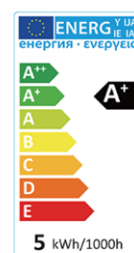


Reliability requirements

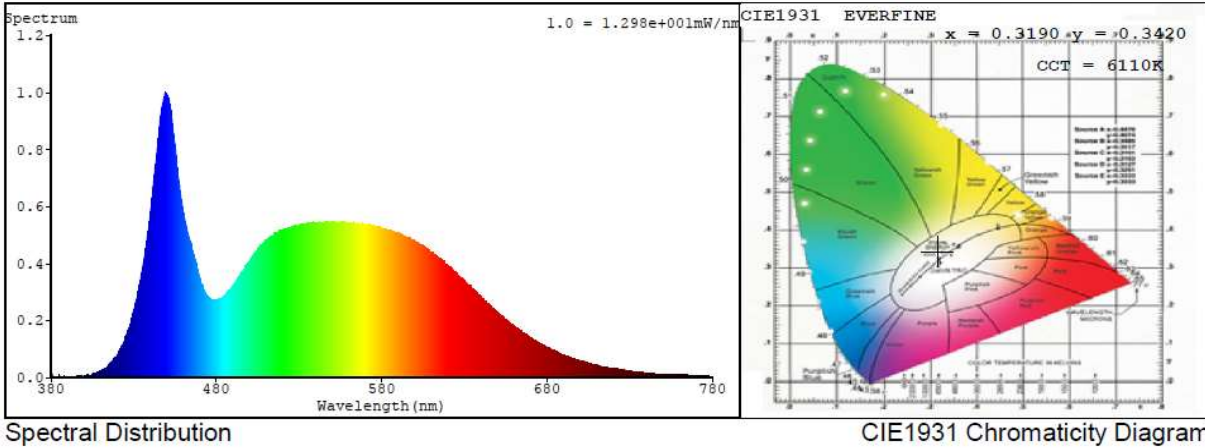
- Lumen maintenance : Lumen maintenance is not lower than 92% after lighting for 3000h,and not lower than 88% after lighting for 6000H and not lower than 70% after lighting for 70% of lifespan
- Working life : Under nominal voltage input, working life is forced not lower than 15000h in 25°C±1°C

Remarks:

Declared values above may vary ±%10



Optical and electrical test parameter:



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3190$ $y = 0.3420$ / $u' = 0.1974$ $v' = 0.4760$ ($duv=6.65e-03$) $Dx,Dy:-0.0010,0.0121$

CCT= 6110K Prcp WL: $L_d=499.6nm$ Purity=4.4%

Peak WL: $L_p=449nm$ FWHM: =24.6nm Ratio:R=13.6% G=81.1% B=5.3%

Render Index: $R_a = 83.2$

R1 =81 R2 =86 R3 =91 R4 =84 R5 =82 R6 =83 R7 =89
 R8 =70 R9 =8 R10=69 R11=83 R12=63 R13=82 R14=95 R15=75

Photometric & Radiometric Parameters

Flux = 464.17 lm Eff. : 97.18 lm/W $F_e = 1.4867 W$

Electrical parameters

$V = 230.5 V$ $I = 0.04103 A$ $P = 4.777 W$ PF = 0.5050 F=50.00 Hz