

Product Datasheet



Products Family : Bulbs
Products Name : LED GU10 Bulbs

Datasheet is valid for following Model numbers

Product Code	CCT
BA25-00750	2700K
BA25-00751	4000K
BA25-00753	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 GU10 Bulbs
- Mounting Type : Socket
- Socket : GU10
- Lamp Shape : Directional
- Dimmable : No(Optional)
- Light Source : LED
- Warranty : 2 years

Lamp Characteristics

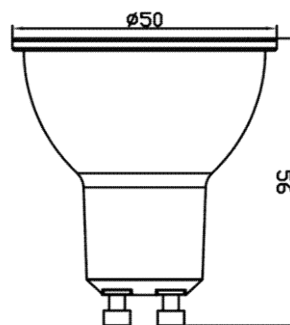
- Wattage : 7 w
- Equivalent : 75 w
- Color Temperatue : 2700K/4000K/6500K
- Color Category : Warm White/Natural White/Cool White
- Luminous Flux : 550 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : A+
- Beam Angle : 38 Degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

- Lifetime (at 2.7 hrs/day) : 15000 h
- Voltage : 220-240 V
- Frequency : 50-60 Hz
- Current : 57 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 Dimensions & Weight

- Diameter : 50 mm
- Height : 56 mm
- Weight(Net) : 34 gr

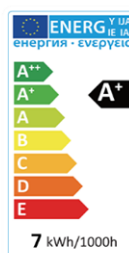


Reliability requirements

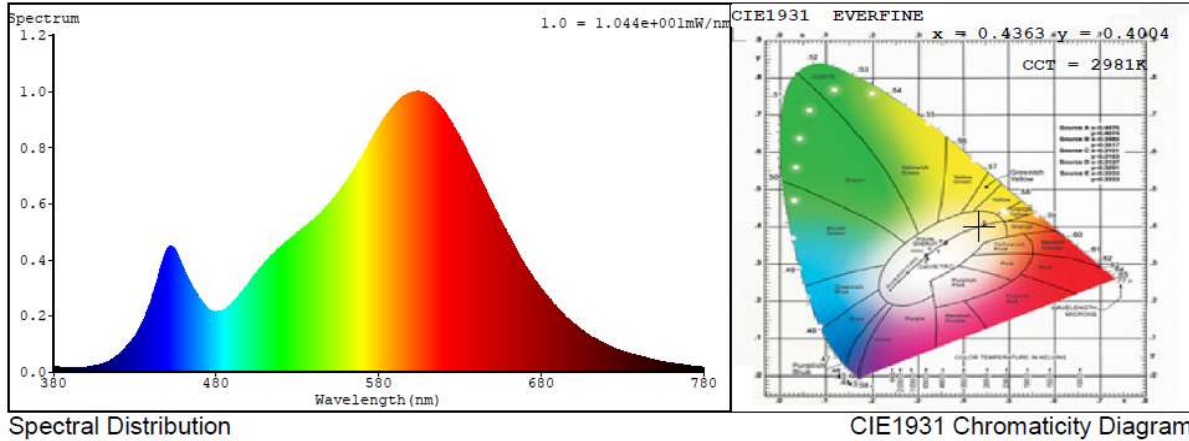
- Lumen maintenance : Lumen maintenance is not lower than 92% after lighting for 3000h,and not lower than 88% after lighting for 6000H and not lower than 70% after lighting for 70% of lifespan
- Working life : Under nominal voltage input, working life is forced not lower than 15000h in 25°C±1°C

Remarks:

Declared values above may vary ±%5



Optical and electrical test parameter:



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4363$ $y = 0.4004$ / $u' = 0.2517$ $v' = 0.5198$ ($duv = -1.37e-03$) $Dx, Dy: 0.0000, 0.0000$

CCT= 2981K Prcp WL: $L_d = 583.4\text{nm}$ Purity=51.1%

Peak WL: $L_p = 603\text{nm}$ FWHM: $= 127.6\text{nm}$ Ratio: R=24.9% G=0.0% B=0.0%

Render Index: $R_a = 83.0$

R1 =82 R2 =92 R3 =96 R4 =81 R5 =82 R6 =90 R7 =83

R8 =60 R9 =10 R10=81 R11=80 R12=76 R13=84 R14=98 R15=75

Photometric & Radiometric Parameters

Flux = 592.21 lm Eff. : 92.45 lm/W $F_e = 1.8485\text{ W}$

Tb: 20.0 deg

Electrical parameters

$V = 230.2\text{ V}$ $I = 0.05022\text{ A}$ $P = 6.406\text{ W}$ PF = 0.5540