

Product Datasheet



Products Family : Bulbs
Products Name : LED GU10 Bulbs

Datasheet is valid for following Model numbers

Product Code	CC
BA25-00755	GREEN

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

Electrical Characteristics

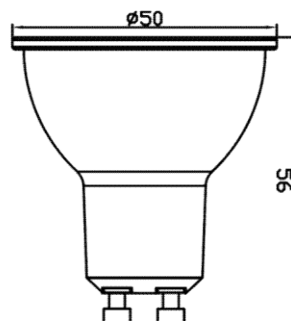
- Lifetime (at 2.7 hrs/day) : 15000 h
- Voltage : 220-240 V
- Frequency : 50-60 Hz
- Current : 59 mA
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : 0.7
- Number of Switch Cycles : > 12500
- Material : Plastic+Aluminium
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment humidity(working) : 10%~60%

Lamp Characteristics

- Wattage : 7 w
- Equivalent : 75 w
- Color Category : GREEN
- Luminous Flux : 550 lm
- Energy Efficiency Level : A+
- Beam Angle : 38 Degree(s)
- Chromaticity(SDCM) : < 6

Lamp Dimensions & Weight

- Diameter : 50 mm
- Height : 56 mm
- Weight(Net) : 30 gr

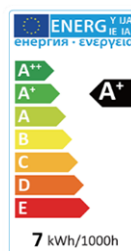


Reliability requirements

- 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



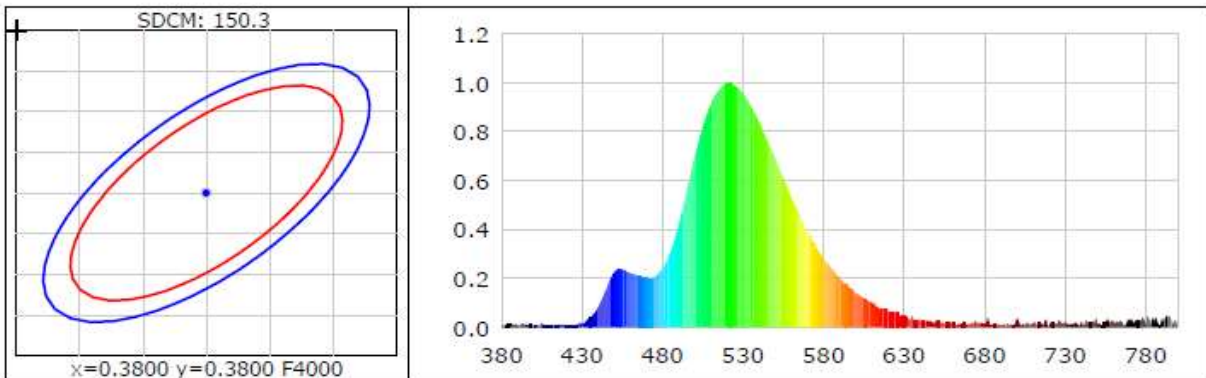
Optical and electrical test parameter:

Product Information

Product Spec: BA25-0075 GREEN 7W Product Number: 02

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.2487$ $y=0.5407$ $u(u')=0.1106$ $v=0.3608$ $v'=0.5412$
 CCT: $T_c=7270K$ ($duv=0.10265$) Color Ratio: $R=0.026$ $G=0.927$ $B=0.047$
 Peak Wavelength: 519.8nm Half Bandwidth: 69.0nm
 Dominant Wavelength: 527.7nm Color Purity: 0.430
 CRI: $R_a=34.0$ TM30: $R_f=33$, $R_g=48$
 $R_1=6$ $R_2=40$ $R_3=69$ $R_4=10$ $R_5=22$ $R_6=38$ $R_7=68$ $R_8=14$
 $R_9=-251$ $R_{10}=-9$ $R_{11}=-3$ $R_{12}=8$ $R_{13}=8$ $R_{14}=82$ $R_{15}=-2$
 Color Quality Scale: $Q_a=31.3$, $Q_f=34.9$, $Q_p=17.6$, $Q_g=37.5$
 $Q_1=32$ $Q_2=58$ $Q_3=83$ $Q_4=73$ $Q_5=53$ $Q_6=27$ $Q_7=12$ $Q_8=21$
 $Q_9=34$ $Q_{10}=28$ $Q_{11}=45$ $Q_{12}=38$ $Q_{13}=30$ $Q_{14}=3$ $Q_{15}=15$



Photometric Parameters

Luminous Flux: 533.28 lm Efficiency: 79.12 lm/W Radiant Power: 1.251 W
 EEI: 0.16 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 230.40V Current: 0.0570A Power: 6.74W
 Power Factor: 0.5080 Frequency: 49.99Hz