

Product Datasheet



Products Family : Bulbs
Products Name : LED GU10 Bulbs

Datasheet is valid for following Model numbers

Product Code	CC
BA25-00754	RED

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

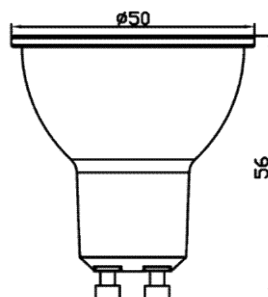
- Lifetime (at 2.7 hrs/day) : 15000 h
- Voltage : 220-240 V
- Frequency : 50-60 Hz
- Current : 59 mA
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : 0.7
- Number of Switch Cycles : > 12500
- Material : Plastic+Aluminium
- Working Temperature : -20°C~+45°C
- Storage Temperature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

Lamp Characteristics

- Wattage : 7 w
- Equivalent : 75 w
- Color Category : RED
- Luminous Flux : 160 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



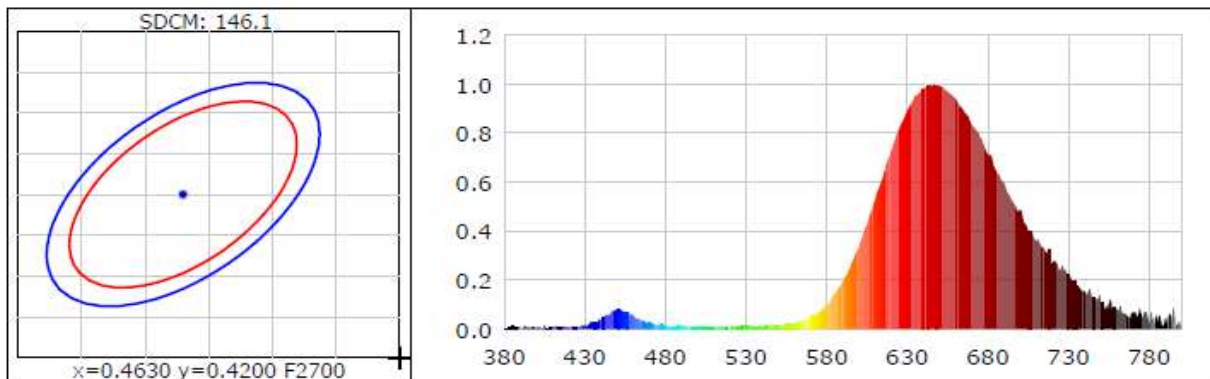
Optical and electrical test parameter:

Product Information

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

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.6238$ $y=0.3091$ $u(u')=0.4569$ $v=0.3396$ $v'=0.5094$
 CCT: $T_c=1000K$ ($duv=-0.01739$) Color Ratio: $R=0.738$ $G=0.253$ $B=0.008$
 Peak Wavelength: 646.1nm Half Bandwidth: 88.6nm
 Dominant Wavelength: 622.8nm Color Purity: 0.799
 CRI: $R_a=65.9$ TM30: $R_f=2$, $R_g=-1$
 $R1=68$ $R2=98$ $R3=65$ $R4=53$ $R5=77$ $R6=75$ $R7=52$ $R8=36$
 $R9=-2$ $R10=91$ $R11=67$ $R12=9$ $R13=78$ $R14=84$ $R15=56$
 Color Quality Scale: $Q_a=-1.5$, $Q_f=-1.5$, $Q_p=-1.5$, $Q_g=-1.5$
 $Q1=5$ $Q2=11$ $Q3=17$ $Q4=13$ $Q5=11$ $Q6=12$ $Q7=5$ $Q8=0$
 $Q9=0$ $Q10=0$ $Q11=0$ $Q12=0$ $Q13=0$ $Q14=0$ $Q15=0$



Photometric Parameters

Luminous Flux: 139.66 lm Efficiency: 20.57 lm/W Radiant Power: 1.174 W
 EEI: 0.43 Energy Efficiency Class: B (EU 874-2012)

Electric Parameters

Voltage: 230.50V Current: 0.0560A Power: 6.79W
 Power Factor: 0.5070 Frequency: 49.99Hz