

Product Datasheet



Products Family : Bulbs
Products Name : LED GU10 Bulbs

Datasheet is valid for following Model numbers

Product Code	CCT
BA25-00756	BLUE

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

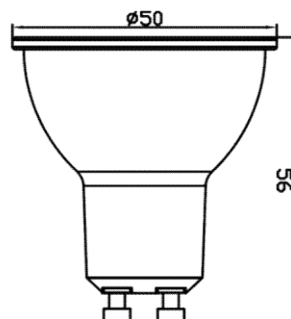
- Lifetime (at 2.7 hrs/day) : 15000 h
- Voltage : 220-240 V
- Frequency : 50-60 Hz
- Current : 59 mA
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : 0.7
- Number of Switch Cycles : > 12500
- Material : Plastic+Aluminium
- Working Temperature : -20°C~+45°C
- Storage Temperature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

Lamp Characteristics

- Wattage : 7 w
- Equivalent : 75 w
- Color Category : BLUE
- Luminous Flux : 150 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 Type:

Product Spec: BA25-0075 BLUE 7W

Product Number: 02

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.1527$ $y=0.0410$ $u(u')=0.1916$ $v=0.0772$ $v'=0.1159$

CCT: $T_c=100000K$ ($duv=-0.18903$)

Color Ratio: $R=0.041$ $G=0.215$ $B=0.744$

Peak Wavelength: 454.9nm

Half Bandwidth: 23.8nm

Dominant Wavelength: 459.3nm

Color Purity: 0.959

CRI: $R_a=-37.7$

TM30: $R_f=10$, $R_g=179$

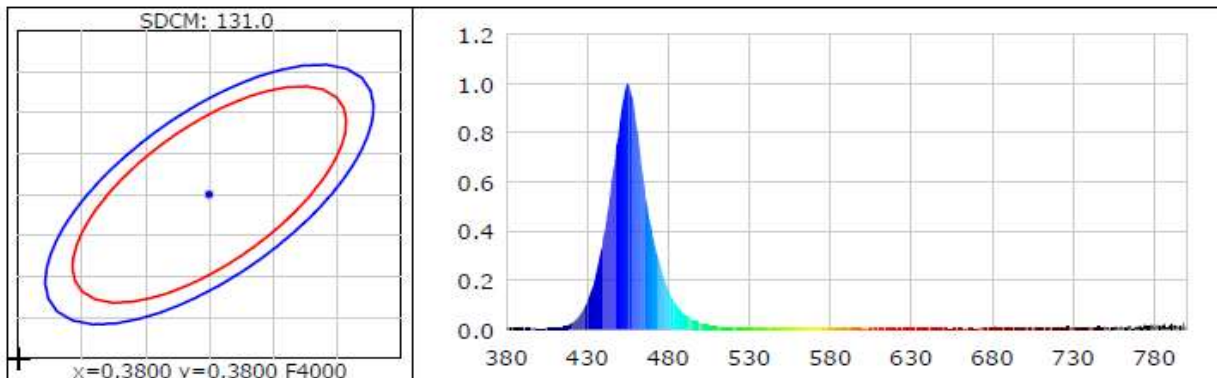
$R1=44$ $R2=-35$ $R3=-161$ $R4=-78$ $R5=45$ $R6=-35$ $R7=-52$ $R8=-27$

$R9=-70$ $R10=-240$ $R11=-97$ $R12=-89$ $R13=14$ $R14=-35$ $R15=47$

Color Quality Scale: $Q_a=-1.5$, $Q_f=-1.5$, $Q_p=-1.5$, $Q_g=-1.5$

$Q1=0$ $Q2=0$ $Q3=0$ $Q4=48$ $Q5=3$ $Q6=29$ $Q7=0$ $Q8=0$

$Q9=0$ $Q10=0$ $Q11=0$ $Q12=0$ $Q13=0$ $Q14=59$ $Q15=28$



Photometric Parameters

Luminous Flux: 109.54 lm

Efficiency: 16.13 lm/W

Radiant Power: 2.171 W

EEI: 0.51

Energy Efficiency Class: B (EU 874-2012)

Electric Parameters

Voltage: 230.30V

Current: 0.0570A

Power: 6.79W

Power Factor: 0.5050

Frequency: 49.99Hz