

## Product Datasheet



Products Family : Bulbs  
Products Name : LED GU10 Bulbs

### Datasheet is valid for following Model numbers

| Product Code | CCT   |
|--------------|-------|
| BA25-00757   | AMBER |

Manufacturer:  
Demgrup international lighting limited  
unit d 16/f,one capital place,18 luard road  
wan chai, Hong Kong  
[www.demgrup.com.tr](http://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](mailto:info@braytron.com) [www.braytron.com](http://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

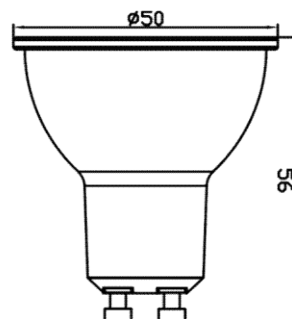
- Lifetime (at 2.7 hrs/day) : 15000 h
- Voltage : 220-240 V
- Frequency : 50-60 Hz
- Current : 59 mA
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : 0.7
- Number of Switch Cycles : > 12500
- Material : Plastic+Aluminium
- Working Temperature : -20°C~+45°C
- Storage Temperature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

## Lamp Characteristics

- Wattage : 7 w
- Equivalent : 75 w
- Color Category : AMBER
- Luminous Flux : 400 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 AMBER 7W

Product Number: 02

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.5165$   $y=0.4037$   $u(u')=0.3033$   $v=0.3556$   $v'=0.5334$

CCT:  $T_c=2026K$  ( $duv=-0.00328$ )

Color Ratio:  $R=0.337$   $G=0.646$   $B=0.017$

Peak Wavelength: 618.9nm

Half Bandwidth: 101.5nm

Dominant Wavelength: 589.7nm

Color Purity: 0.763

CRI:  $R_a=82.6$

TM30:  $R_f=83$ ,  $R_g=98$

$R1=83$

$R2=96$

$R3=88$

$R4=81$

$R5=86$

$R6=94$

$R7=74$

$R8=55$

$R9=17$

$R10=94$

$R11=83$

$R12=89$

$R13=87$

$R14=94$

$R15=74$

Color Quality Scale:  $Q_a=75.0$ ,  $Q_f=80.4$ ,  $Q_p=94.3$ ,  $Q_g=87.8$

$Q1=69$

$Q2=81$

$Q3=82$

$Q4=77$

$Q5=79$

$Q6=80$

$Q7=75$

$Q8=72$

$Q9=80$

$Q10=83$

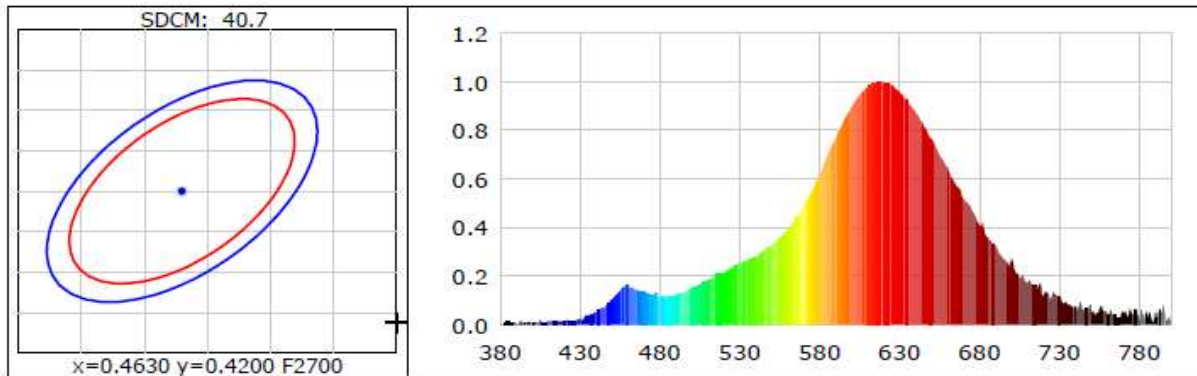
$Q11=78$

$Q12=73$

$Q13=71$

$Q14=70$

$Q15=69$



### Photometric Parameters

Luminous Flux: 399.22 lm  
EEI: 0.20

Efficiency: 58.45 lm/W

Radiant Power: 1.441 W

Energy Efficiency Class: A (EU 874-2012)

### Electric Parameters

Voltage: 230.30V

Current: 0.0570A

Power: 6.83W

Power Factor: 0.5070

Frequency: 49.98Hz