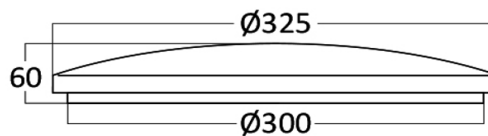


Product Datasheet



Products Family : Led Lighting Fixture
Products Name : Led Ceiling Light Jade

Datasheet is valid for following Model numbers

| Product Code | CCT | Body Color |
|--------------|------|------------|
| BH16-22280 | 3IN1 | White |

Manufacturer:
Demgrup international lighting limited
unit d 16/f,one capital place,18 luard road
wan chai, Hong Kong
www.demgrup.com.tr

Importer / Company:
Braytron S.R.L
Bulevardul iuliu maniu,nr.616, corp B
etaj 1 sector 6,061129 bucuresti, Romania
info@braytron.com www.braytron.com

Test condition:light for 30 mins under nominal voltage input and 25°C±1°working environment

General Characteristics

- Family : Led Lighting Fixture
- Sub Family : Led Ceiling Light Jade
- Mounting Type : Surface Mounting
- Lamp Shape : Non-Directional
- Dimmable : Not-Dimmable
- Light Source : LED
- Warranty : 3 years
- Class : Class I
- IP : IP20

Lamp Characteristics

- Wattage : 24 w
- Color Temperatue : 3IN1
- Luminous Flux(whole Product) : 2450 lm
- Luminous Flux(LED System) : 2450 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : F
- Beam Angle : 120 Degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

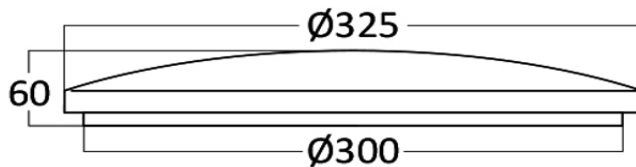
- Lifetime (L70B50) : 20000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Metal+Plastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment humidity(working) : 10%~65%

Test condition:light for 30 mins under nominal voltage input and 25°C±1°working environment

Lamp Dimensions & Weight

- Diameter(mm) : 325
- Length(mm) :
- Width(mm) :
- Height(mm) : 60
- Cutout(mm) :
- Weight(gr) : 510

Technical Drawing(s)



Reliability requirements and Test Conditions

- **Lumen maintenance**
Lumen maintenance is not lower than 89.9% after lighting for 2.5h on and 0.5h off for one cycle.
Total 1200 cycle and 3600h including 3000h on and 600h off.
- **Working life (L70B50)**
Under nominal voltage input, working life is forced not lower than 20000 h at 25°C±1°C

- **Remarks:**

Declared values above may vary ±5



Test condition: light for 30 mins under nominal voltage input and 25°C±1° working environment

Optical and electrical test parameter:

Color Parameter

Chroma Coordinate: x=0.3731 y=0.3721 u=0.2221 v=0.3323 Duv=0.0001
 Chroma Coordinate: u'=0.2221 v'=0.4984
 CCT.: CCT=4174K Dominant: d=577.8nm Barycenter: b=569nm Peak Wavelength: p=449.7nm
 FWHM: 23.38nm Purity: Pe=23.63% Red Ratio: R=0.186 Green Ratio: G=0.773 Blue Ratio: B=0.041
 Color CRI.: Ra=88.71
 R 1=88 R 2=93 R 3=97 R 4=89 R 5=88 R 6=91 R 7=89
 R 8=74 R 9=31 R 10=83 R 11=90 R 12=71 R 13=90 R 14=99
 R15=83

Luminosity Parameter

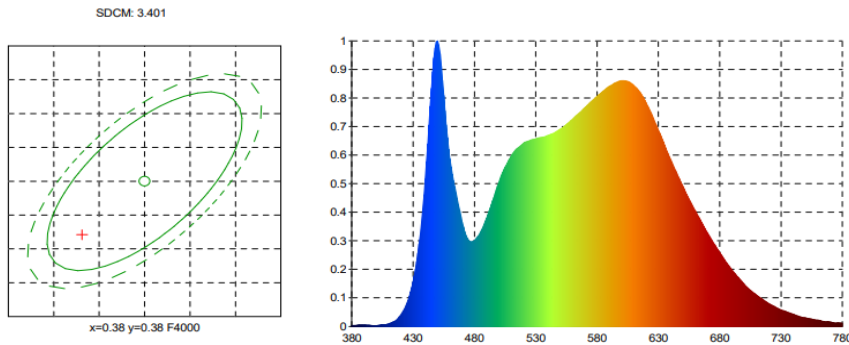
Luminous Flux(380-780nm): 2398.57lm Optical Power(380-780nm): 5.234W Efficient(380-780nm): 101.2lm/W

Electric Parameter

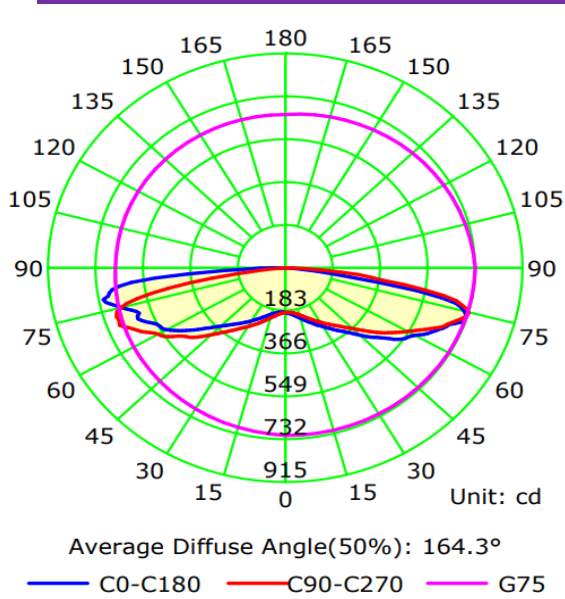
Voltage: U=228.9V Current: I=176mA Power: P=23.7W PF: PF=0.562

Device State

Wavelength Range: 380nm-780nm Wavelength Interval: 1nm



Darkroom Test report



Flux Out: 2571.82lm

| Height | Avg./Nadir. E | Beam Angle: 166.1° | Diameter / Area |
|--------|---------------|--------------------|-------------------------|
| 5.0m | 0.48/ 7.65lx | | 82.25m / 5313.14sq.m |
| 10.0m | 0.12/ 1.91lx | | 164.50m / 21252.57sq.m |
| 15.0m | 0.05/ 0.85lx | | 246.75m / 47818.27sq.m |
| 20.0m | 0.03/ 0.48lx | | 329.00m / 85010.27sq.m |
| 25.0m | 0.02/ 0.31lx | | 411.25m / 132828.54sq.m |
| 30.0m | 0.01/ 0.21lx | | 493.49m / 191273.10sq.m |
| 35.0m | 0.01/ 0.16lx | | 575.74m / 260343.94sq.m |
| 40.0m | 0.01/ 0.12lx | | 657.99m / 340041.07sq.m |
| 45.0m | 0.01/ 0.09lx | | 740.24m / 430364.47sq.m |
| 50.0m | 0.00/ 0.08lx | | 822.49m / 531314.16sq.m |