

Product Datasheet



Products Family : Led Lighting Fixture
Products Name : LED Ceiling Light Bella

Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BH17-00280	3IN1	White
BH17-00281	3IN1	Black
BH17-00286	3IN1	Golden

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 Bella
- 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 : 36 w
- Color Temperatue : 3IN1
- Luminous Flux(whole Product) : 4260 lm
- Luminous Flux(LED System) : 4260 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : E
- Beam Angle : 120 Degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

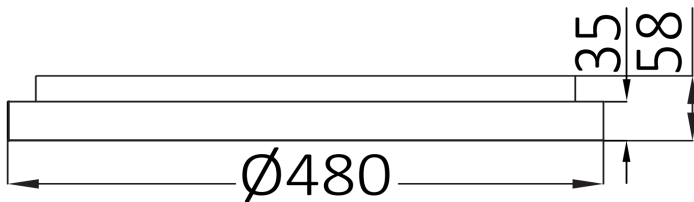
- Lifetime (L70B50) : 30000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.9
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Aluminium
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment humidity(working) : 10%~65%

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Lamp Dimensions & Weight

- Diameter(mm) : 480
- Length(mm) :
- Width(mm) :
- Height(mm) : 58
- Cutout(mm) :
- Weight(kg) : 2,45

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 30000 h at 25°C±1°C

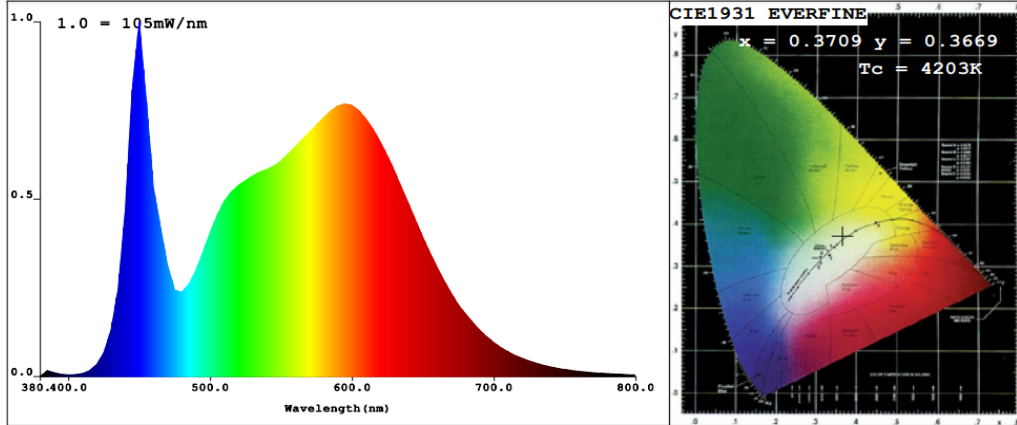
- **Remarks:**

Declared values above may vary ±5



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Optical and electrical test parameter:



CIE Color Parameters:

Chromaticity Coordinate:x=0.3709 y=0.3669/u=0.2227 v=0.3305 (duv=-1.78e-
 CCT:Tc= 4203K Prcp WaveL:λd=579.5nm Purity=21.4%
 Peak WaveL: λp=450nm Half Width: Δλp=20.9nm Ratio:R=18.2% G=77.9% B=3.9%
 Average Wave: 566nm
 Rendering Index:Ra=85.5
 R1 =85 R2 =91 R3 =95 R4 =85 R5 =85 R6 =87 R7 =87 R8 =69
 R9 =18 R10=78 R11=86 R12=66 R13=86 R14=98 R15=79

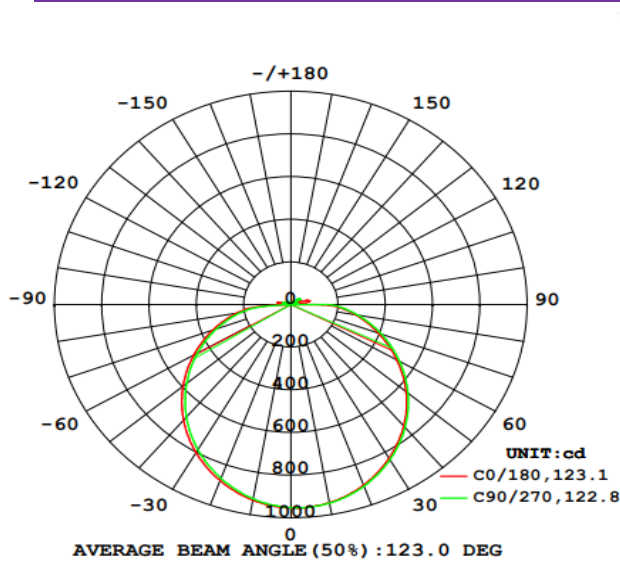
Photo Parameters:

Flux:Φ=4674.3(lm) Luminous Efficacy: 132.76(lm/W) Luminous Power:P=14.52(W)

Electrical Parameters:

U=221.9V I=0.1640A P=35.21W PF=0.967

Darkroom Test report



Flux out:2309 lm

Height	Eavg, Emax	Angle:122.76deg	Diameter
1m	216.7,953.8lx		366.49cm
2m	54.17,238.5lx		732.98cm
3m	24.08,106.0lx		1099.48cm
4m	13.54,59.62lx		1465.97cm
5m	8.667,38.15lx		1832.46cm
6m	6.019,26.50lx		2198.95cm
7m	4.422,19.47lx		2565.44cm
8m	3.386,14.90lx		2931.94cm
9m	2.675,11.78lx		3298.43cm
10m	2.167,9.538lx		3664.92cm