

Product Datasheet



Products Family : Led Lighting Fixture
Products Name : LED Spotlight

Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BD02-10780	3IN1	White
BD02-10781	3IN1	Black
BD02-10783	3IN1	Silver

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 Spotlight
- Mounting Type : Recessed Mounting
- Lamp Shape : Directional
- Dimmable : Not-Dimmable
- Light Source : LED
- Warranty : 2 years
- Class : Class II
- IP : IP20

Lamp Characteristics

- Wattage : 7 w
- Color Temperatue : 3IN1
- Luminous Flux(whole Product) : 630 lm
- Luminous Flux(LED System) : 630 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : F
- Beam Angle : 38 Degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

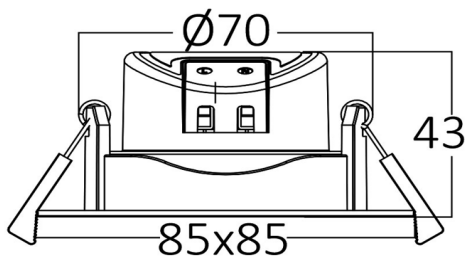
- Lifetime (L70B50) : 20000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Plastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment 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) : :
- Length(mm) : 85
- Width(mm) : 85
- Height(mm) : 43
- Cutout(mm) : 70
- Weight(gr) : 77

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

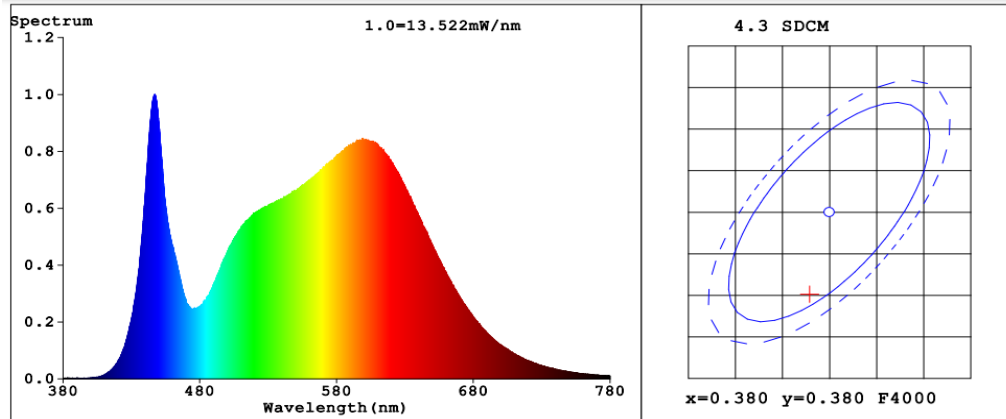
- **Remarks:**

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 Parameters:

Chromaticity Coordinate: $x=0.3779$ $y=0.3701/u'=0.2261$ $v'=0.4982$
 CCT=4021K (Duv=-0.0024) Dominant WL: $\lambda_d=580.5nm$ Purity=24.5%
 Ratio: R=19.1% G=77.2% B=3.7% Peak WL: $\lambda_p=447.1nm$ FWHM=20.6nm
 Render Index: Ra=86.8 CRI=81.8 AvgR=81.8
 R1 =86 R2 =91 R3 =95 R4 =88 R5 =87 R6 =88 R7 =88
 R8 =72 R9 =26 R10=79 R11=88 R12=73 R13=88 R14=97 R15=81

Photo Parameters:

Flux = 656.9 lm Eff. : 97.86 lm/W Fe = 2.063 W

Electrical parameters:

V = 229.75 V I = 0.05531 A P = 6.713 W PF = 0.5283

Darkroom Test report

