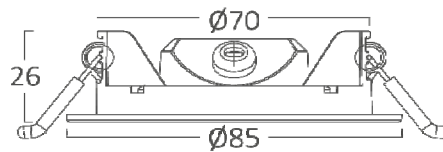


Product Datasheet



Products Family : Led Lighting Fixture
Products Name : Led Panel Light

Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BP01-60300	3000K	White
BP01-60310	4000K	White
BP01-60330	6500K	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 Panel Light
- Mounting Type : Recessed Mounting
- Lamp Shape : Non-Directional
- Dimmable : Not-Dimmable
- Light Source : LED
- Warranty : 2 years
- Class : Class II
- IP : IP40

Lamp Characteristics

- Wattage : 3 w
- Color Temperatue : 3000K/4000K/6500K
- Luminous Flux(whole Product) : 220 lm
- Luminous Flux(LED System) : 220 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : G
- Beam Angle : 120 Degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

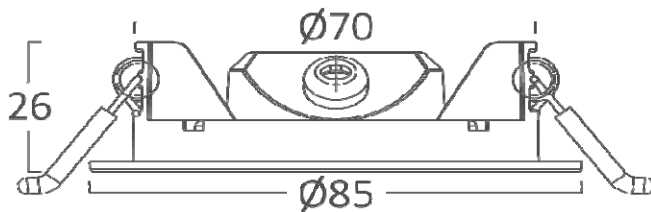
- Lifetime(L70B50) : 20000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Plastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment 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) : 85
- Length(mm) :
- Width(mm) :
- Height(mm) : 25,5
- Cutout(mm) : 70
- Weight(gr) : 107,5

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

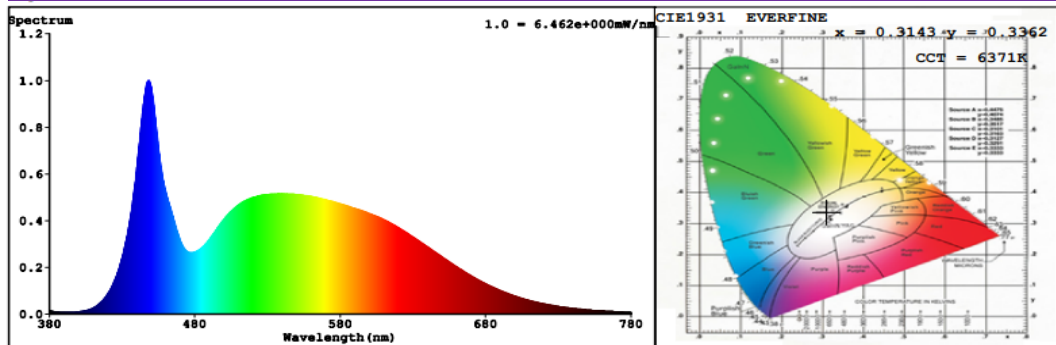
- **Remarks:**

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:



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3143$ $y = 0.3362$ / $u' = 0.1962$ $v' = 0.4724$ ($duv=6.08e-03$)
 CCT= 6371K Prcp WL: $L_d=493.7nm$ Purity=6.3%
 Peak WL: $L_p=448nm$ FWHM: $\approx 23.3nm$ Ratio: R=13.7% G=80.8% B=5.5%
 Render Index: $R_a = 85.3$

EEl: 0.14494 A+
 R1 =84 R2 =87 R3 =90 R4 =86 R5 =85 R6 =83 R7 =90
 R8 =77 R9 =26 R10=70 R11=86 R12=66 R13=84 R14=95 R15=80
 LEVEL:OUT WHITE:ANSI_6500K

Photometric & Radiometric Parameters

Flux = 216.03 lm Eff. : 67.32 lm/W Fe = 720.19 mW

Electrical parameters

V = 230.70 V I = 0.02798 A P = 3.209 W PF = 0.5281 F=49.99 Hz

Darkroom Test report

