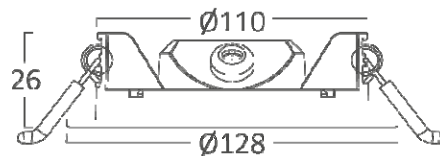


## Product Datasheet



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

### Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BP01-60600	3000K	White
BP01-60610	4000K	White
BP01-60630	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](http://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](mailto:info@braytron.com) [www.braytron.com](http://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 : 6 w
- Color Temperatue : 3000K/4000K/6500K
- Luminous Flux(whole Product) : 470 lm
- Luminous Flux(LED System) : 470 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : G
- Beam Angle : 120 Degree(s)
- Chromaticity(SDCM) : < 6

## Electrical Characteristics

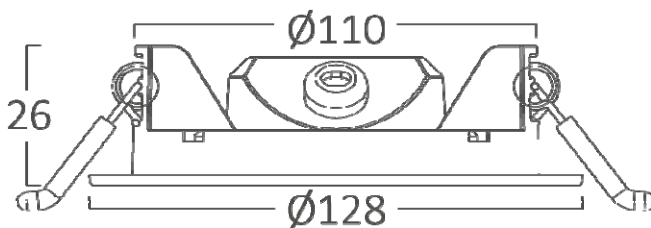
- Lifetime(L70B50) : 20000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Plastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment 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) : 128
- Length(mm) :
- Width(mm) :
- Height(mm) : 26
- Cutout(mm) : 110
- 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:**

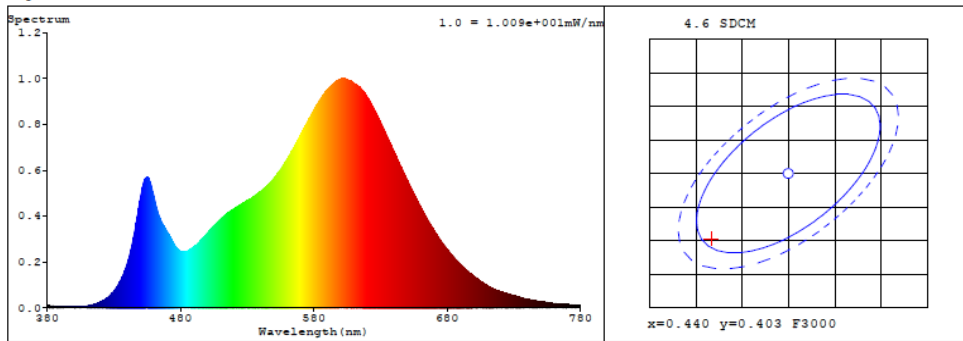
Declared values above may vary ±5



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

## Optical and electrical test parameter:

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4316$   $y = 0.3933$  /  $u' = 0.2518$   $v' = 0.5163$  ( $duv = -3.64e-03$ )  
 CCT= 3001K Prcp WL: Ld=584.2nm Purity=47.6%  
 Peak WL: Lp=604nm FWHM: =116.6nm Ratio:R=23.2% G=73.7% B=3.1%  
 Render Index: Ra = 82.6

EEL: 0.14397 A+

R1 =82 R2 =94 R3 =92 R4 =79 R5 =83 R6 =93 R7 =80  
 R8 =57 R9 =7 R10=87 R11=79 R12=78 R13=86 R14=96 R15=75

### Photometric & Radiometric Parameters

Flux = 480.32 lm Eff.: 77.91 lm/W Fe = 1.4802 W

### Electrical parameters

V = 229.37 V I = 0.05003 A P = 6.165 W PF = 0.5372 F=49.99 Hz

## Darkroom Test report

