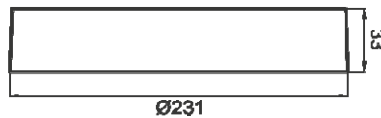


## Product Datasheet



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

### Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BP03-61800	3000K	White
BP03-61810	4000K	White
BP03-61830	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 : Surface Mounting
- Lamp Shape : Non-Directional
- Dimmable : Not-Dimmable
- Light Source : LED
- Warranty : 2 years
- Class : Class II
- IP : IP40

## Lamp Characteristics

- Wattage : 18 w
- Color Temperatue : 3000K/4000K/6500K
- Luminous Flux(whole Product) : 1760 lm
- Luminous Flux(LED System) : 1760 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : F
- Beam Angle : 120 Degree(s)
- Chromaticity(SDCM) : < 6

## Electrical Characteristics

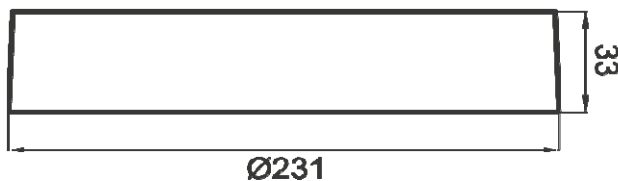
- Lifetime(L70B50) : 20000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Plastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment 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) : 231
- Length(mm) :
- Width(mm) :
- Height(mm) : 33
- Cutout(mm) :
- Weight(gr) : 380

## 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

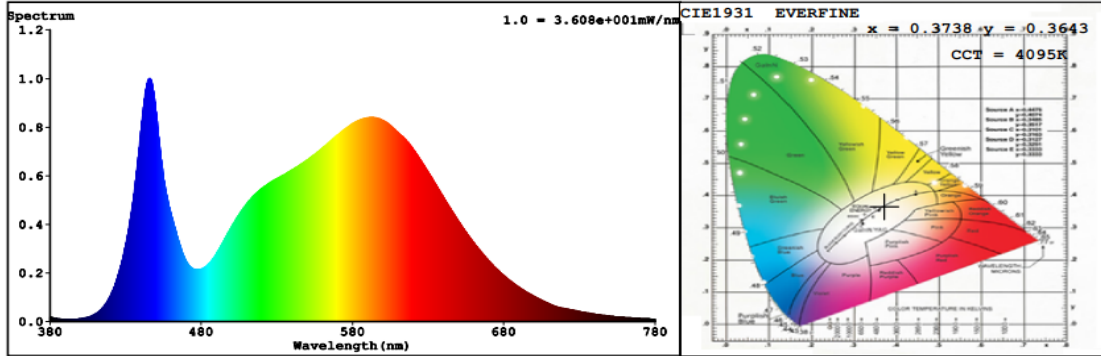
- **Remarks:**

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:  $x = 0.3738$   $y = 0.3643$  /  $u' = 0.2257$   $v' = 0.4950$  ( $duv = -3.95e-03$ )  
 CCT= 4095K Prcp WL:  $L_d = 581.4nm$  Purity=21.5%  
 Peak WL:  $L_p = 446nm$  FWHM: =22.7nm Ratio: R=18.1% G=78.5% B=3.4%  
 Render Index: Ra = 81.9

EEL: 0.14240 A+  
 R1 =81 R2 =87 R3 =92 R4 =82 R5 =82 R6 =83 R7 =85  
 R8 =65 R9 =7 R10=70 R11=82 R12=67 R13=82 R14=95 R15=75

### Photometric & Radiometric Parameters

Flux = 1726.4 lm Eff.: 95.66 lm/W Fe = 5.3592 W

### Electrical parameters

V = 229.93 V I = 0.1306 A P = 18.05 W PF = 0.6010 F=50.00 Hz

## Darkroom Test report

