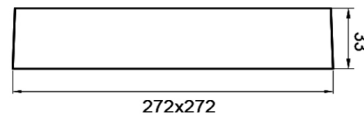


## Product Datasheet



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

### Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BP04-62400	3000K	White
BP04-62410	4000K	White
BP04-62430	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 : 24 w
- Color Temperatue : 3000K/4000K/6500K
- Luminous Flux(whole Product) : 2400 lm
- Luminous Flux(LED System) : 2400 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : F
- Beam Angle : 120 Degree(s)
- Chromaticity(SDCM) : < 6

## Electrical Characteristics

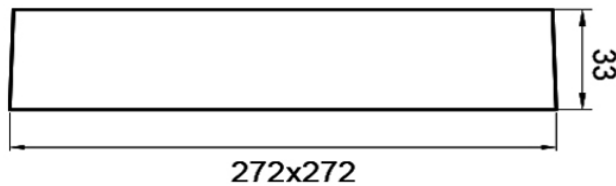
- Lifetime(L70B50) : 20000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Plastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment 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) : :
- Length(mm) : 272
- Width(mm) : 272
- Height(mm) : 33
- Cutout(mm) : :
- Weight(gr) : 620

## 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

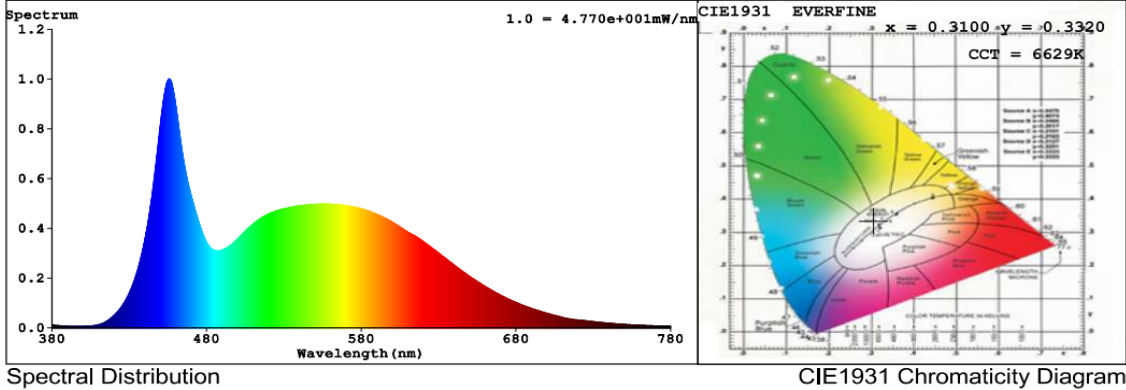
- **Remarks:**

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:  $x = 0.3100$   $y = 0.3320$  /  $u' = 0.1948$   $v' = 0.4695$  ( $duv=6.09e-03$ )

CCT= 6629K Prcp WL:  $L_d=491.0nm$  Purity=8.0%

Peak WL:  $L_p=456nm$  FWHM: =27.5nm Ratio:R=13.2% G=80.4% B=6.3%

Render Index: Ra = 84.5

R1 =82 R2 =91 R3 =94 R4 =81 R5 =82 R6 =86 R7 =88

R8 =71 R9 =15 R10=77 R11=79 R12=59 R13=85 R14=97 R15=78

**Photometric & Radiometric Parameters**

Flux = 2384.6 lm Eff. : 106.03 lm/W Fe = 5.1020 W Scotopic:3617.6 S/P:2.3324

**Electrical parameters**

V = 230.6 V I = 0.1652 A P = 22.49 W PF = 0.5902 F=49.99 Hz

**Darkroom Test report**

