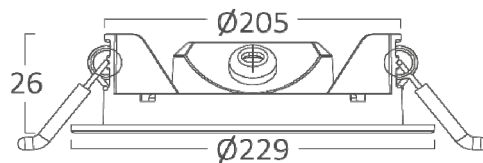


Product Datasheet



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

Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BP01-61800	3000K	White
BP01-61810	4000K	White
BP01-61830	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

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 : 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

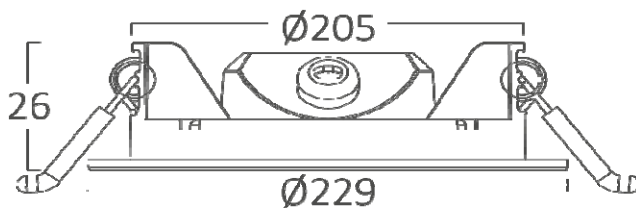
- Lifetime(L70B50) : 20000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Plastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment 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) : 229
- Length(mm) :
- Width(mm) :
- Height(mm) : 25,5
- Cutout(mm) : 205
- 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

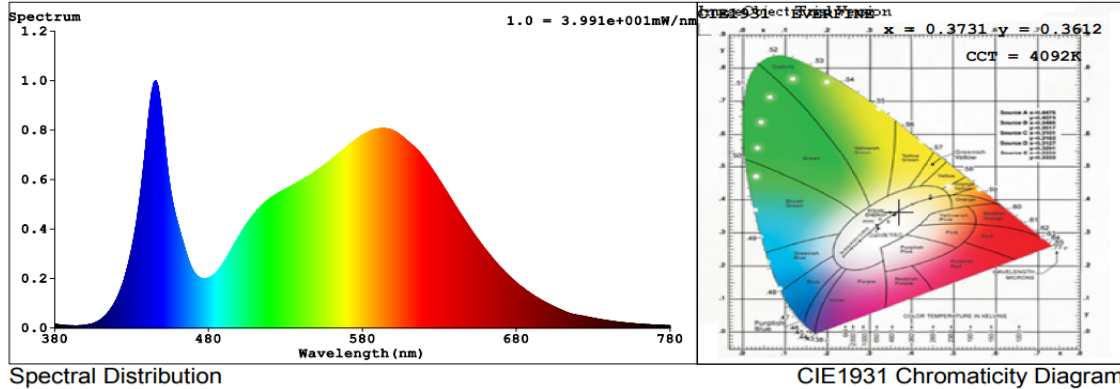
- **Remarks:**

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: $x = 0.3731$ $y = 0.3612$ / $u' = 0.2265$ $v' = 0.4934$ ($duv = -5.26e-03$)

CCT= 4092K Prcp WL: Ld=582.5nm Purity=20.4%

Peak WL: Lp=446nm FWHM: =22.2nm Ratio:R=18.3% G=78.3% B=3.4%

Render Index: Ra = 82.3

R1 =82 R2 =87 R3 =92 R4 =83 R5 =82 R6 =83 R7 =84

R8 =66 R9 =10 R10=70 R11=82 R12=68 R13=83 R14=95 R15=77

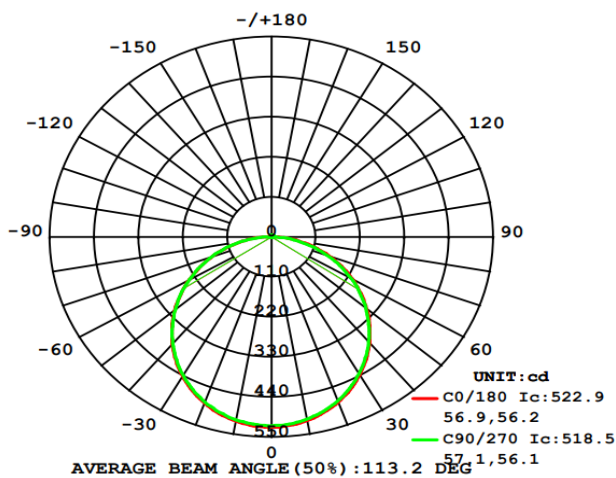
Photometric & Radiometric Parameters

Flux = 1832.0 lm Eff. : 98.17 lm/W Fe = 5.7307 W

Electrical parameters

V = 230.2 V I = 0.1376 A P = 18.66 W PF = 0.5894 F=49.99 Hz

Darkroom Test report



Flux out: 1102 lm

Height	Eavg, Emax	Angle: 112.63deg	Diameter
1m	148.0, 522.9lx		300.08cm
2m	37.00, 130.7lx		600.16cm
3m	16.44, 58.10lx		900.24cm
4m	9.250, 32.68lx		1200.32cm
5m	5.920, 20.92lx		1500.40cm
6m	4.111, 14.53lx		1800.48cm
7m	3.020, 10.67lx		2100.56cm
8m	2.312, 8.17lx		2400.64cm
9m	1.827, 6.45lx		2700.72cm
10m	1.480, 5.22lx		3000.80cm

UNIT: cd
 - C0/180 Ic: 522.9
 - 56.9, 56.2
 - C90/270 Ic: 518.5
 - 57.1, 56.1
 AVERAGE BEAM ANGLE (50%) : 113.2 DEG