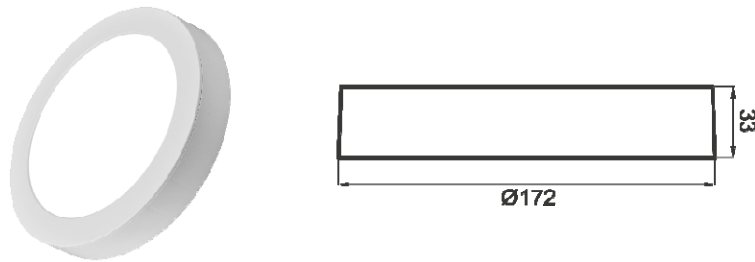


Product Datasheet



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

Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BP03-61200	3000K	White
BP03-61210	4000K	White
BP03-61230	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 : Surface Mounting
- Lamp Shape : Non-Directional
- Dimmable : Not-Dimmable
- Light Source : LED
- Warranty : 2 years
- Class : Class II
- IP : IP40

Lamp Characteristics

- Wattage : 12 w
- Color Temperatue : 3000K/4000K/6500K
- Luminous Flux(whole Product) : 1120 lm
- Luminous Flux(LED System) : 1120 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : F
- Beam Angle : 120 Degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

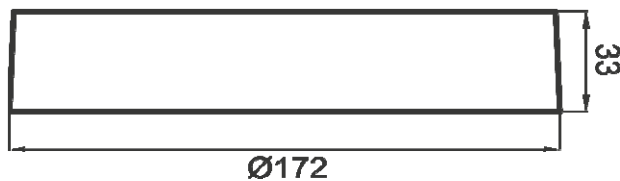
- Lifetime(L70B50) : 20000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Plastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment 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) : 172
- Length(mm) :
- Width(mm) :
- Height(mm) : 33
- Cutout(mm) :
- Weight(gr) : 230

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:**

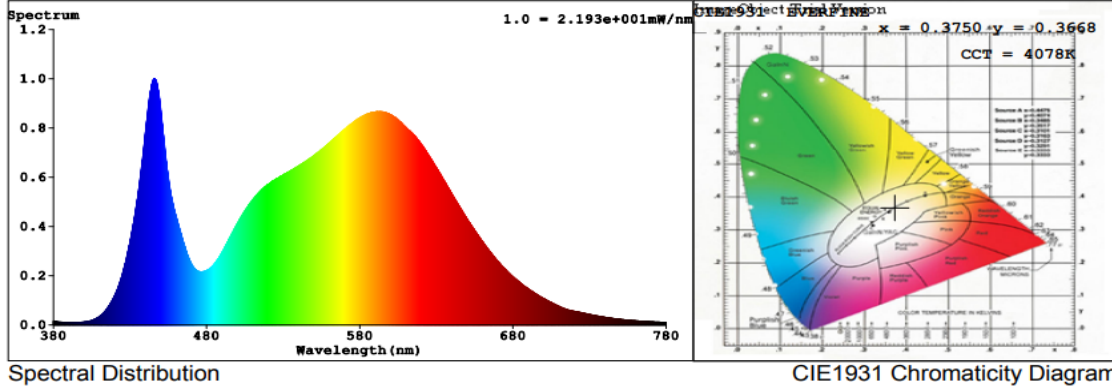
Declared values above may vary ±5



Luminare is intendet to use in outdoor aplications

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: $x = 0.3750$ $y = 0.3668$ / $u' = 0.2255$ $v' = 0.4963$ ($duv = -3.12e-03$)

CCT= 4078K Prcp WL: Ld=580.8nm Purity=22.6%

Peak WL: Lp=446nm FWHM: =23.1nm Ratio:R=18.1% G=78.5% B=3.4%

Render Index: Ra = 81.9

R1 =81 R2 =87 R3 =92 R4 =82 R5 =81 R6 =83 R7 =85

R8 =65 R9 =7 R10=70 R11=82 R12=67 R13=82 R14=96 R15=75

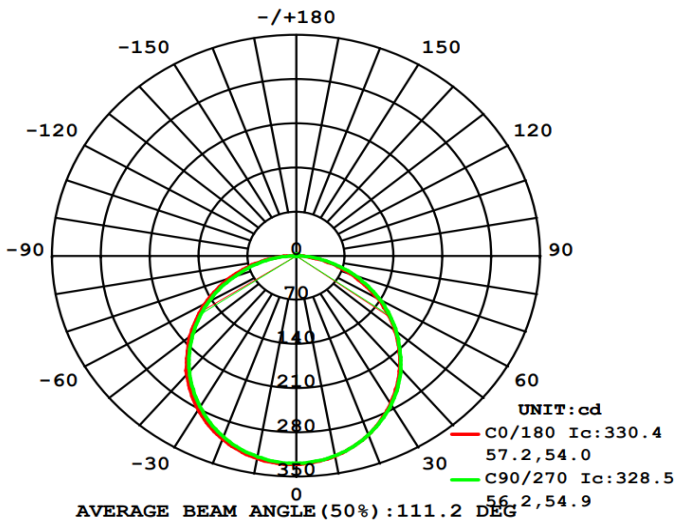
Photometric & Radiometric Parameters

Flux = 1086.2 lm Eff. : 93.91 lm/W Fe = 3.3621 W

Electrical parameters

V = 230.1 V I = 0.08810 A P = 11.57 W PF = 0.5705 F=49.99 Hz

Darkroom Test report



Flux out: 673.9 lm

Height	Eavg, Emax	Angle: 110.75deg	Diameter
1m	97.59, 330.31x		289.67cm
2m	24.40, 82.571x		579.33cm
3m	10.84, 36.701x		869.00cm
4m	6.100, 20.641x		1158.66cm
5m	3.904, 13.211x		1448.33cm
6m	2.711, 9.1741x		1737.99cm
7m	1.992, 6.7401x		2027.66cm
8m	1.525, 5.1611x		2317.32cm
9m	1.205, 4.0781x		2606.99cm
10m	0.9759, 3.3031x		2896.65cm