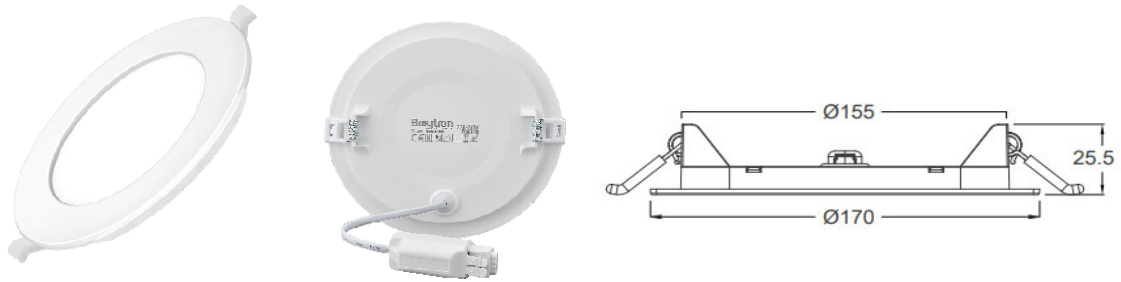


Product Datasheet



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

Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BP01-61200	3000K	White
BP01-61210	4000K	White
BP01-61230	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 : Recessed Mounting
- Lamp Shape : Non-Directional
- Dimmable : Not-Dimmable
- Light Source : LED
- Warranty : 2 years
- 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

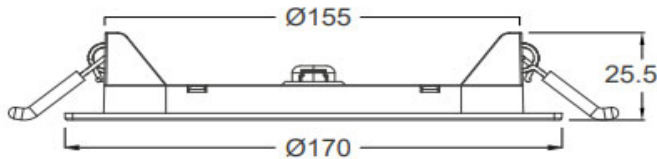
- Lifetime(L70B50) : 20000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Plastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment 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)	:	170
• Length(mm)	:	
• Width(mm)	:	
• Height(mm)	:	25,5
• Cutout(mm)	:	155
• Weight(gr)	:	173

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:**

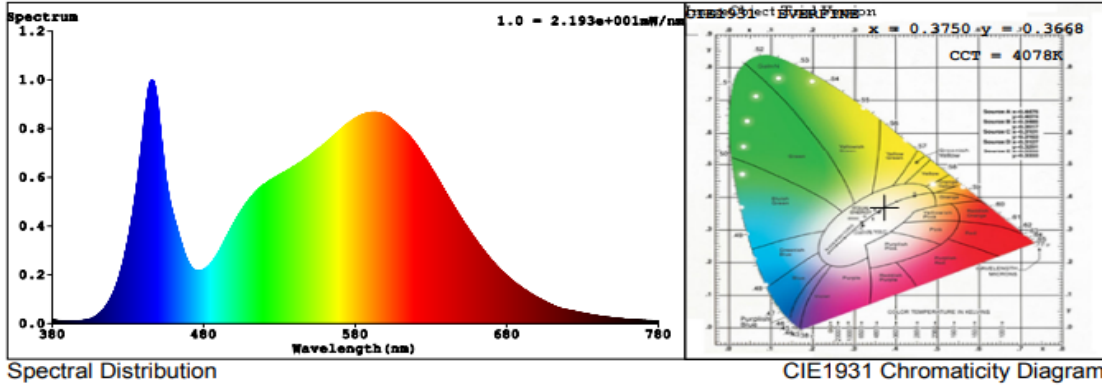
Declared values above may vary ±5



Luminare is intended to use in outdoor applications

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

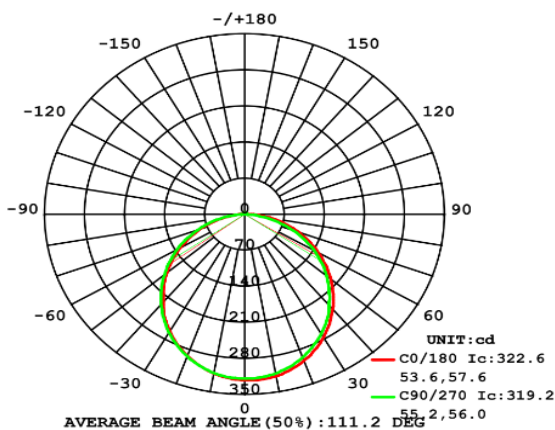
Photometric & Radiometric Parameters

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: 656.2 lm

Height	Eavg, Emax	Angle: 110.60deg	Diameter
1m	95.02, 322.31x		288.86cm
2m	23.76, 80.581x		577.71cm
3m	10.56, 35.811x		866.57cm
4m	5.939, 20.141x		1155.42cm
5m	3.801, 12.891x		1444.28cm
6m	2.640, 8.9531x		1733.13cm
7m	1.939, 6.5781x		2021.99cm
8m	1.485, 5.0361x		2310.85cm
9m	1.173, 3.9791x		2599.70cm
10m	0.9502, 3.2231x		2888.56cm