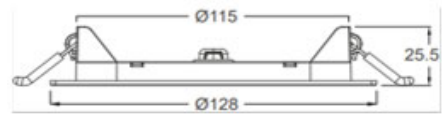


Product Datasheet



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

Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BP01-60600	3000K	White
BP01-60610	4000K	White
BP01-60630	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 : 6 w
- Color Temperatue : 3000K/4000K/6500K
- Luminous Flux(whole Product) : 470 lm
- Luminous Flux(LED System) : 470 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : G
- Beam Angle : 120 Degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

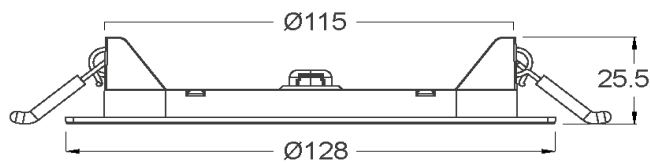
- Lifetime(L70B50) : 20000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.5
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Plastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment 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)	:	128
• Length(mm)	:	
• Width(mm)	:	
• Height(mm)	:	25,5
• Cutout(mm)	:	115
• Weight(gr)	:	108

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:**

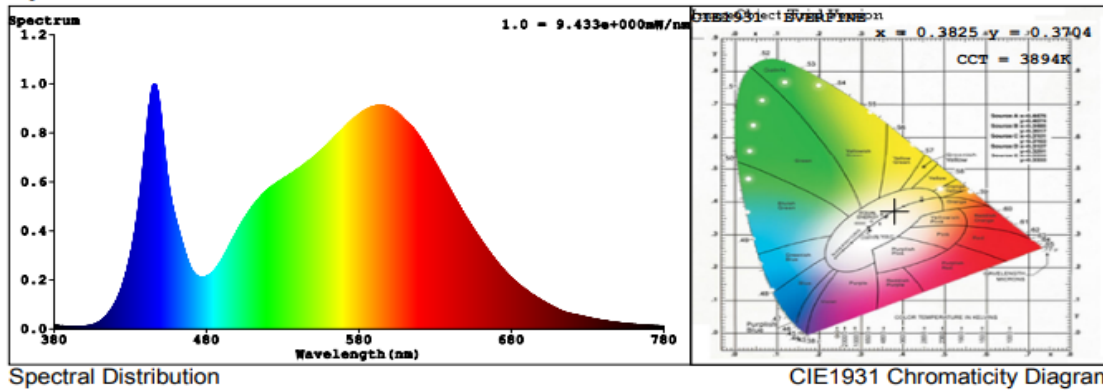
Declared values above may vary ±5



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: $x = 0.3825$ $y = 0.3704$ / $u' = 0.2291$ $v' = 0.4991$ ($duv = -3.61e-03$)
 CCT= 3894K Prcp WL: Ld=581.6nm Purity=25.9%
 Peak WL: Lp=446nm FWHM: =22.1nm Ratio:R=18.7% G=78.1% B=3.2%

Render Index: Ra = 81.6

R1 =80 R2 =87 R3 =93 R4 =81 R5 =81 R6 =83 R7 =84
 R8 =63 R9 =6 R10=70 R11=81 R12=67 R13=82 R14=96 R15=75

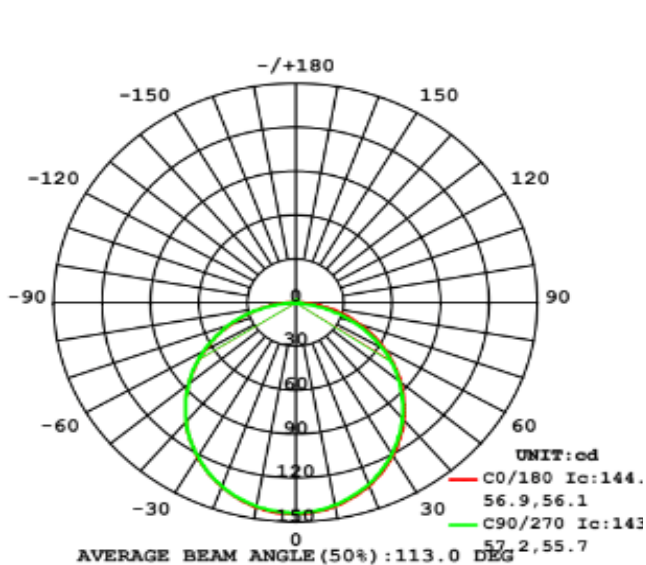
Photometric & Radiometric Parameters

Flux = 480.45 lm Eff. : 79.43 lm/W Fe = 1.4798 W

Electrical parameters

V = 230.7 V I = 0.04696 A P = 6.049 W PF = 0.5582 F=50.00 Hz

Darkroom Test report



Flux out: 304.2 lm

Height	Eavg, Emax	Angle: 112.61deg	Diameter
1m	40.84, 144.41lx		299.97cm
2m	10.21, 36.11lx		599.93cm
3m	4.538, 16.05lx		899.90cm
4m	2.553, 9.027lx		1199.87cm
5m	1.634, 5.777lx		1499.83cm
6m	1.134, 4.012lx		1799.80cm
7m	0.8335, 2.948lx		2099.77cm
8m	0.6382, 2.257lx		2399.73cm
9m	0.5042, 1.783lx		2699.70cm
10m	0.4084, 1.444lx		2999.67cm