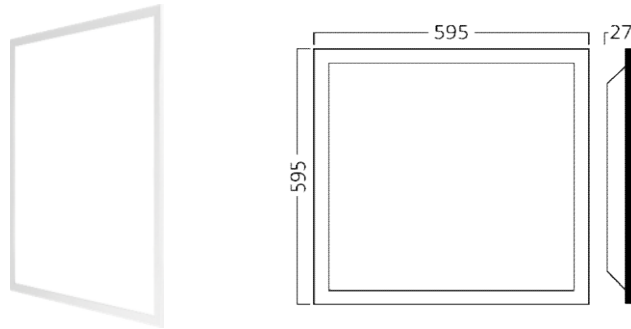


Product Datasheet



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

Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BP27-36600	3000K	White
BP27-36610	4000K	White
BP27-36630	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	: 3 years
• IP	: IP20

Lamp Characteristics

• Wattage	: 40 w
• Color Temperature	: 3000K/4000K/6500K
• Luminous Flux(whole Product)	: 4200 lm
• Luminous Flux(LED System)	: 4200 lm
• Color Rendering Index(CRI)	: > 80
• Energy Efficiency Level	: F
• Beam Angle	: 110 Degree(s)
• Chromaticity(SDCM)	: < 6

Electrical Characteristics

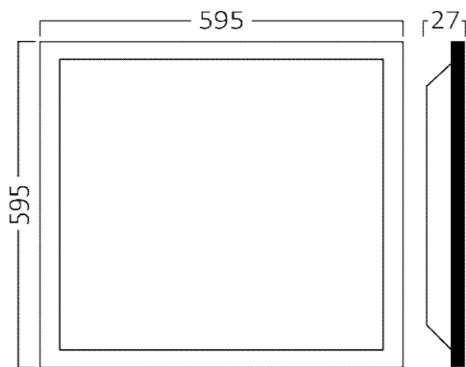
• Lifetime (L70B50)	: 20000 h
• Input Voltage	: 220-240V
• Frequency	: 50-60 Hz
• Power Factor	: > 0.9
• Starting Time	: < 0.5 s
• Lumen Maintenance Factor	: > 0.899
• Number of Switch Cycles	: > 15000
• Material	: Aluminium
• Working Temperature	: -20°C~+45°C
• Storage Temperature	: -20°C~+60°C
• Environment humidity(working)	: 10%~65%

Test condition: light for 30 mins under nominal voltage input and $25^{\circ}\text{C} \pm 1^{\circ}$ working environment

Lamp Dimensions & Weight

• Diameter	:	
• Length	:	595
• Width	:	595
• Height	:	27
• Cutout	:	
• Weight(Net)	:	1,4 kg

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 $25^{\circ}\text{C} \pm 1^{\circ}\text{C}$

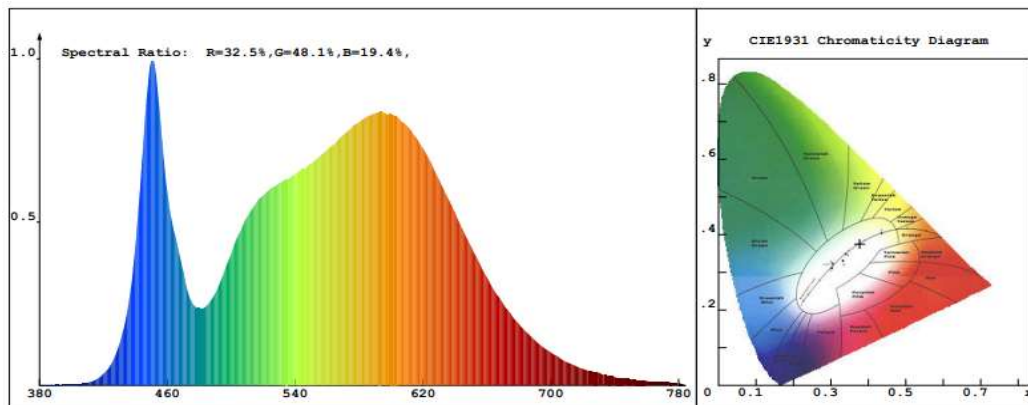
• Remarks:

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:



Chroma Parameters

Chro.Coar.: x=0.3767 y=0.3755 u=0.2231 v=0.3337 duv=0.0005

CCT: 4096K Dominant Wave.: 578.4nm Purity: 25.8%

Flux RGB Ratio: R=18.1%, G=79.5%, B=2.4% Peak Wave: 450.5nm Half Width: 21.7nm

Rendering Index: Ra= 83.3

R1 =82 R2 =89 R3 =94 R4 =83 R5 =82 R6 =85 R7 =86 R8 =65

R9 =10 R10=74 R11=82 R12=61 R13=83 R14=97 R15=76

Photo Parameters

Flux: 4756.76lm

Effi.: 118.7lm/W

Radiant: 15584.4mW

Iv: 0.0mcd

Efficiency: 0.115

Effi Level: A+ (EU 874-2012)

Ele. Parameters

Voltage: U=230.000V

Current: I=0.1790A

Power: P=40.08W

Power Factor: PF=0.969

Darkroom Test report

