

Product Datasheet



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

Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BT45-09612	4000K	Grey
BT45-09632	6500K	Grey

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 Hibay Light
- Mounting Type : Hibay
- Lamp Shape : Non-Directional
- Dimmable : Not-Dimmable
- Light Source : LED
- Warranty : 2 years
- Class : Class I
- IP : IP65
- IK : IK08

Lamp Characteristics

- Wattage : 200 w
- Color Temperatue : 4000K/6500K
- Luminous Flux(whole Product) : 21300 lm
- Luminous Flux(LED System) : 21300 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : F
- Beam Angle : 90 Degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

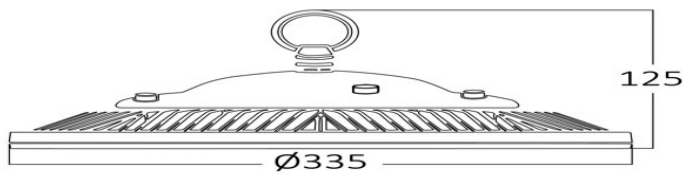
- Lifetime (L70B50) : 20000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.9
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Aluminium
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment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

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Lamp Dimensions & Weight

- Diameter(mm) : 335
- Length(mm) :
- Width(mm) :
- Height(mm) : 125
- Cutout(mm) :
- Weight(kg) : 2,66

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:**

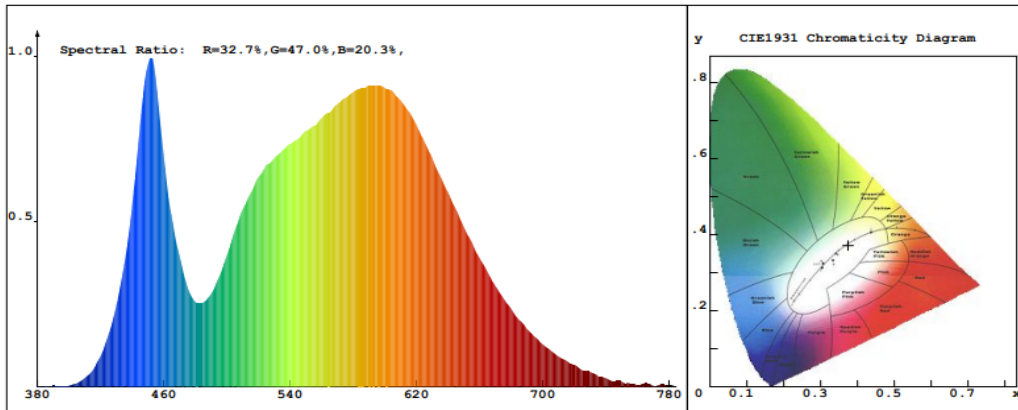
Declared values above may vary ±5



Luminare is intendet to use in outdoor aplications

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Optical and electrical test parameter:



Chroma Parameters

Chro.Coor.: x=0.3744 y=0.3714 u=0.2232 v=0.3322 duv=-0.0007
 CCT: 4132K Dominant Wave.: 579.0nm Purity: 23.8%
 Flux RGB Ratio: R=17.9%, G=79.7%, B=2.4% Peak Wave: 452.1nm Half Width: 26.9nm

Rendering Index: Ra= 82.6

R1 =81 R2 =88 R3 =92 R4 =82 R5 =81 R6 =83 R7 =87 R8 =67
 R9 =12 R10=70 R11=80 R12=61 R13=83 R14=95 R15=77

Photo Parameters

Flux: 18945.901lm Effi.: 92.7lm/W Radiant: 39507.6mW Iv: 0.0mcd
 Efficiency: 0.147 Effi Level: A+ (EU 874-2012)

Ele. Parameters

Voltage: U=229.600V Current: I=0.8920A
 Power: P=204.30W Power Factor: PF=0.997

Darkroom Test report

