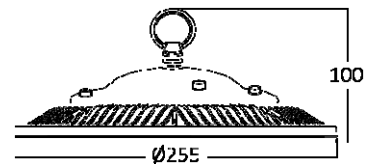


Product Datasheet



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

Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BT45-09112	4000K	Grey
BT45-09132	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 Street 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 : 100 w
- Color Temperatue : 4000K/6500K
- Luminous Flux(whole Product) : 10700 lm
- Luminous Flux(LED System) : 10700 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : F
- Beam Angle : 90 Degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

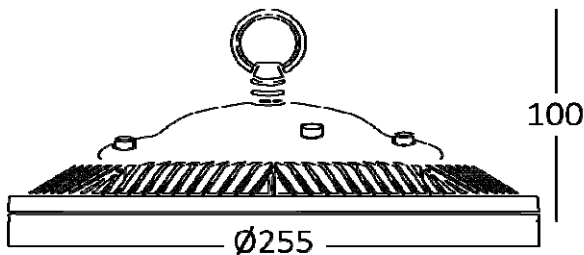
- Lifetime (L70B50) : 20000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.9
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Aluminium
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment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

Test condition:light for 30 mins under nominal voltage input and 25°C±1°working environment

Lamp Dimensions & Weight

- Diameter(mm) : 255
- Length(mm) :
- Width(mm) :
- Height(mm) : 100
- Cutout(mm) :
- Weight(kg) : 1,3

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:**

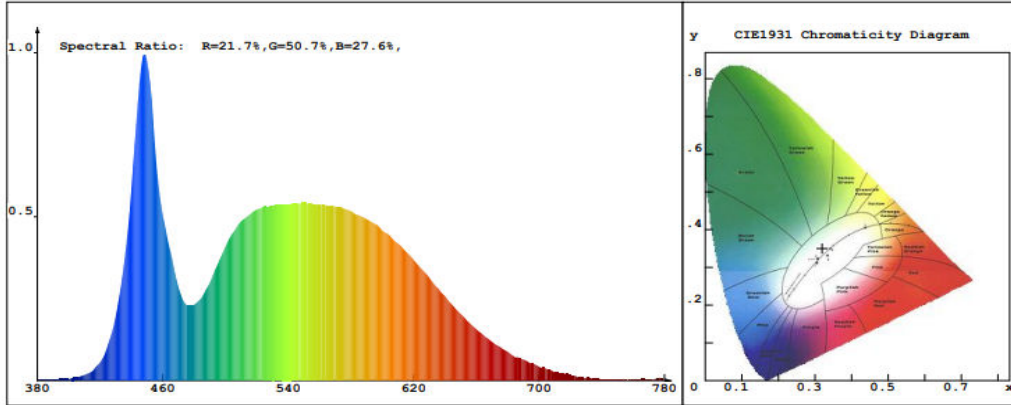
Declared values above may vary ±5



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:



Chroma Parameters

Chro.Coor.: x=0.3196 y=0.3502 u=0.1948 v=0.3202 duv=0.0104
 CCT: 6054K Dominant Wave.: 508.9nm Purity: 4.2%
 Flux RGB Ratio: R=13.0%, G=83.7%, B=3.2% Peak Wave: 448.5nm Half Width: 21.5nm

Rendering Index: Ra= 79.9

R1 =77 R2 =84 R3 =91 R4 =80 R5 =78 R6 =78 R7 =86 R8 =65
 R9 =-9 R10=64 R11=79 R12=58 R13=79 R14=96 R15=70

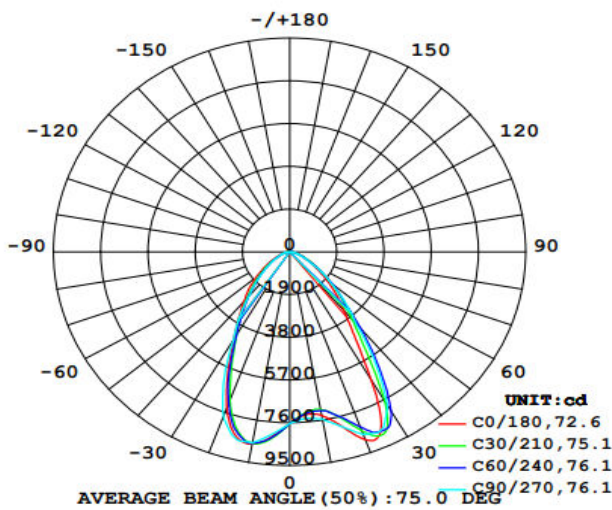
Photo Parameters

Flux: 9147.77lm Effi.: 93.3lm/W Radiant: 20597.3mW Iv: 0.0mcd
 Efficiency: 0.146 Effi Level: A+ (EU 874-2012)

Ele. Parameters

Voltage: U=230.000V Current: I=0.4270A
 Power: P=98.07W Power Factor: PF=0.996

Darkroom Test report



Flux out: 6065 lm

Height	Eavg, Emax	Angle: 57.87deg	Diameter
1.219m	4227,5614lx		134.80cm
2m	1571,2086lx		221.12cm
3m	698.1,927.2lx		331.68cm
4m	392.7,521.6lx		442.24cm
5m	251.3,333.8lx		552.80cm
6m	174.5,231.8lx		663.36cm
7m	128.2,170.3lx		773.92cm
8m	98.17,130.4lx		884.48cm
9m	77.57,103.0lx		995.05cm
10m	62.83,83.45lx		1105.61cm