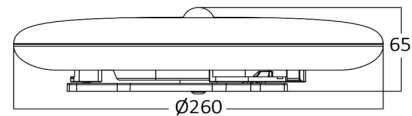


Product Datasheet



Products Family : Led Lighting Fixture
Products Name : LED Ceiling Light Jade

Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BH15-01100	3000K	White
BH15-01110	4000K	White
BH15-01130	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 Ceiling Light Jade
- Mounting Type : Surface Mounting
- Lamp Shape : Non-Directional
- Dimmable : Not-Dimmable
- Light Source : LED
- Warranty : 3 years
- Class : Class II
- IP : IP44
- IK : IK05

Lamp Characteristics

- Wattage : 18 w
- Color Temperatue : 3000K/4000K/6500K
- Luminous Flux(whole Product) : 1740 lm
- Luminous Flux(LED System) : 1740 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 : > 0.5
- 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%

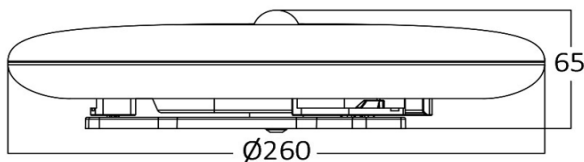
Test condition: light for 30 mins under nominal voltage input and 25°C±1° working environment

Sensor Characteristics

- Sensor Type : PIR
- Time Delay : 120 sec- 3 min
- Detection Distance : max 3m
- Detection Speed : 0.6-1.5 m/s
- Lux : 1440+/- %10
- Installation Height : 3 m

Lamp Dimensions & Weight / Technical Drawing(s)

- Diameter(mm) : 260
- Length(mm) :
- Width(mm) :
- Height(mm) : 65
- Cutout(mm) :
- Weight(gr) : 500



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

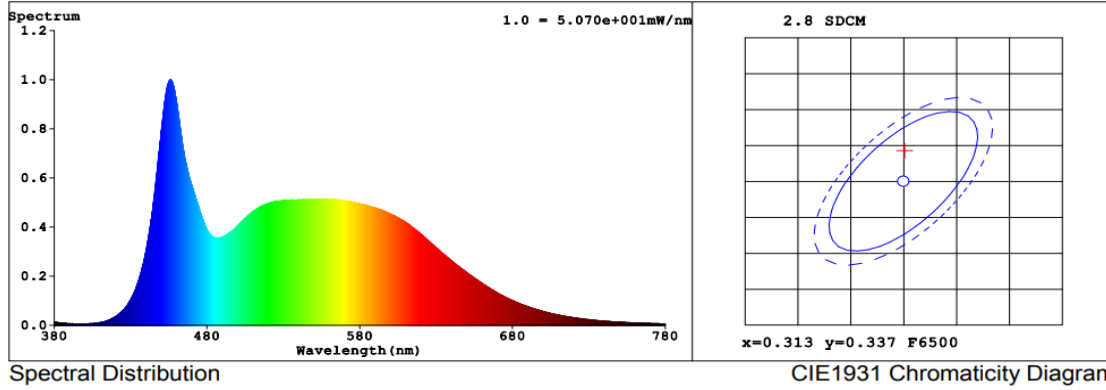
- **Remarks:**

Declared values above may vary ±5



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: $x = 0.3131$ $y = 0.3413$ / $u' = 0.1936$ $v' = 0.4748$ ($duv=9.15e-03$)

CCT= 6398K Prcp WL: Ld=496.8nm Purity=6.4%

Peak WL: Lp=456nm FWHM: =28.6nm Ratio:R=13.4% G=80.1% B=6.5%

Render Index: Ra = 84.7

R1 =83 R2 =92 R3 =95 R4 =80 R5 =83 R6 =89 R7 =87

R8 =69 R9 =12 R10=82 R11=80 R12=61 R13=86 R14=97 R15=77

Photometric & Radiometric Parameters

Flux = 1737.4 lm Eff. : 91.83 lm/W Fe = 5.6204 W

Electrical parameters

V = 230.1 V I = 0.1547 A P = 18.92 W PF = 0.5317 F=49.99 Hz

Darkroom Test report

