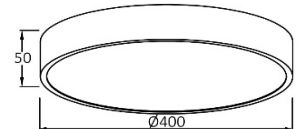


Product Datasheet



Products Family : Led Lighting Fixture
Products Name : Led Ceiling Light Blade

Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BH16-04180	3IN1	White
BH16-04181	3IN1	Black
BH16-04187	3IN1	Wooden

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 Blade
- Mounting Type : Surface Mounting
- Lamp Shape : Non-Directional
- Dimmable : Not-Dimmable
- Light Source : LED
- Warranty : 3 years
- Class : Class I
- IP : IP20

Lamp Characteristics

- Wattage : 36 w
- Color Temperatue : 3IN1
- Luminous Flux(whole Product) : 3680 lm
- Luminous Flux(LED System) : 3680 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : F
- Beam Angle : 120 Degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

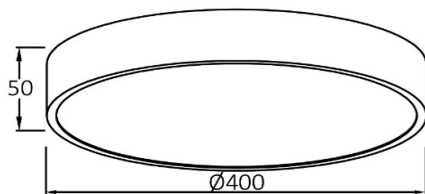
- Lifetime (L70B50) : 20000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.9
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Metal
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment 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)	:	400
• Length(mm)	:	
• Width(mm)	:	
• Height(mm)	:	50
• Cutout(mm)	:	
• Weight(kg)	:	1,14

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

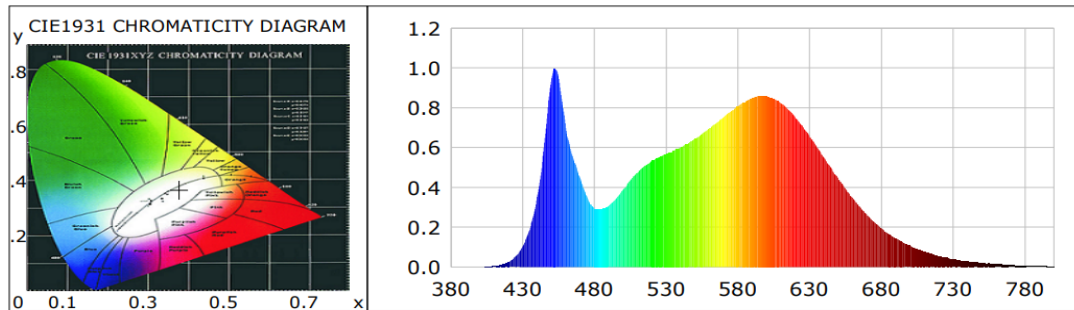


Test condition: light for 30 mins under nominal voltage input and 25°C±1° working environment

Optical and electrical test parameter:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3790$ $y=0.3673$ $u(u')=0.2280$ $v=0.3314$ $v'=0.4971$
 CCT: $T_c=3968K$ ($duv=-0.00409$) Color Ratio: $R=0.190$ $G=0.769$ $B=0.040$
 Peak Wavelength: 452.4nm Half Bandwidth: 24.4nm
 Dominant Wavelength: 581.8nm Color Purity: 0.239
 CRI: $R_a=85.1$ TM30: $R_f=82$, $R_g=96$
 $R1=85$ $R2=93$ $R3=96$ $R4=83$ $R5=85$ $R6=89$ $R7=84$ $R8=66$
 $R9=17$ $R10=82$ $R11=82$ $R12=67$ $R13=87$ $R14=98$ $R15=80$
 Color Quality Scale: $Q_a=83.2$, $Q_f=83.2$, $Q_p=83.8$, $Q_g=93.9$
 $Q1=83$ $Q2=98$ $Q3=80$ $Q4=76$ $Q5=81$ $Q6=84$ $Q7=87$ $Q8=89$
 $Q9=98$ $Q10=90$ $Q11=85$ $Q12=83$ $Q13=83$ $Q14=75$ $Q15=78$



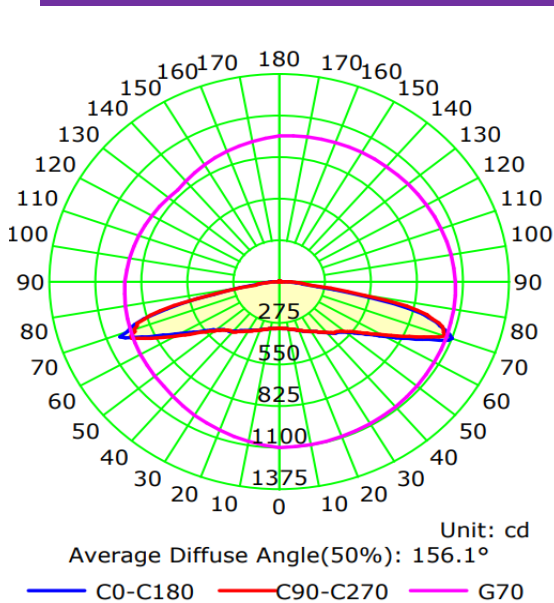
Photometric Parameters

Luminous Flux: 3670.74 lm Efficiency: 104.26 lm/W Radiant Power: 9.676 W
 EEI: 0.14 Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 228.10V Current: 0.1470A Power: 35.20W
 Power Factor: 0.9650 Frequency: 50.00Hz

Darkroom Test report



Height	Avg./Nadir. E	Beam Angle: 155.5°	Diameter / Area
1.0m	45.03/ 309.61lx		9.23m / 66.89sq.m
2.0m	11.26/ 77.40lx		18.46m / 267.58sq.m
3.0m	5.00/ 34.40lx		27.69m / 602.05sq.m
4.0m	2.81/ 19.35lx		36.92m / 1070.31sq.m
5.0m	1.80/ 12.38lx		46.14m / 1672.35sq.m
6.0m	1.25/ 8.60lx		55.37m / 2408.19sq.m
8.0m	0.70/ 4.84lx		73.83m / 4281.22sq.m
9.0m	0.56/ 3.82lx		83.06m / 5418.42sq.m
10.0m	0.45/ 3.10lx		92.29m / 6689.41sq.m
12.0m	0.31/ 2.15lx		10.75m / 9632.75sq.m

Flux Out: 3012.35lm