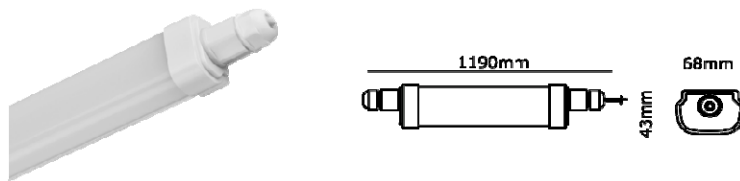


Product Datasheet



Products Family : Led Lighting Fixture
Products Name : Led Waterproof Light

Datasheet is valid for following Model numbers

Product Code	CCT	Body Color
BT07-31210	4000K	White
BT07-31230	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 Waterproof Light
- Mounting Type : Surface Mounting
- Lamp Shape : Non-Directional
- Dimmable : Not-Dimmable
- Light Source : LED
- Warranty : 2 years
- Class : Class II
- IP : IP65
- IK : IK06

Lamp Characteristics

- Wattage : 40 w
- Color Temperatue : 4000K/6500K
- Luminous Flux(whole Product) : 4500 lm
- Luminous Flux(LED System) : 4500 lm
- Color Rendering Index(CRI) : > 80
- Energy Efficiency Level : E
- Beam Angle : 120 Degree(s)
- Chromaticity(SDCM) : < 6

Electrical Characteristics

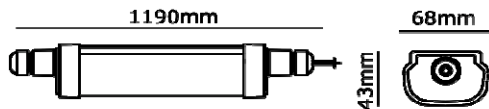
- Lifetime (L70B50) : 20000 h
- Input Voltage : 220-240V
- Frequency : 50-60 Hz
- Power Factor : > 0.9
- Starting Time : < 0.5 s
- Lumen Maintenance Factor : > 0.899
- Number of Switch Cycles : > 15000
- Material : Plastic
- Working Temperature : -20°C~+45°C
- Storage Temperature : -20°C~+60°C
- Environment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

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

Lamp Dimensions & Weight

- Diameter(mm) : :
- Length(mm) : 1190
- Width(mm) : 68
- Height(mm) : 43
- Cutout(mm) : :
- Weight(gr) : 440

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:**

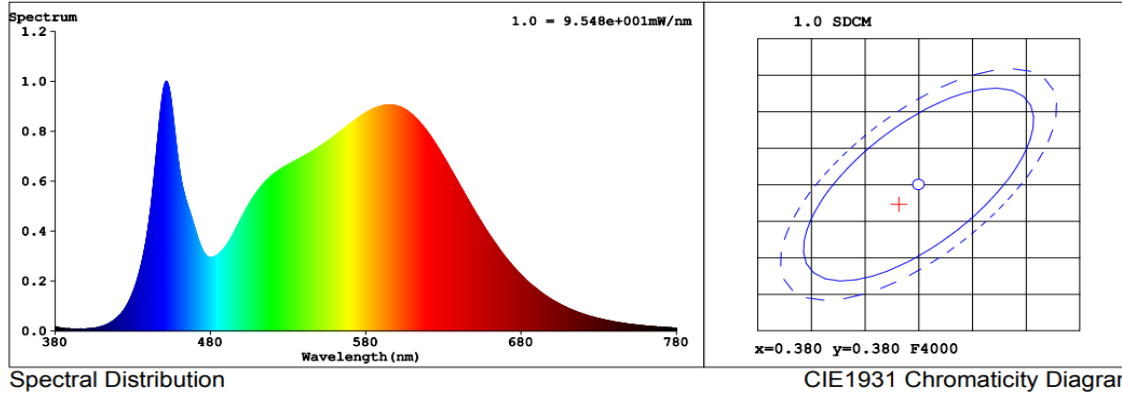
Declared values above may vary ±5



Luminare is intended to use in outdoor applications

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

Optical and electrical test parameter:



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3782$ $y = 0.3773$ / $u' = 0.2234$ $v' = 0.5015$ ($duv=9.31e-04$)

CCT= 4065K Prcp WL: $L_d=578.3nm$ Purity=26.7%

Peak WL: $L_p=452nm$ FWHM: =23.9nm Ratio: R=18.3% G=78.0% B=3.8%

Render Index: Ra = 84.3 CRI = 78.2

R1 =83 R2 =90 R3 =95 R4 =83 R5 =83 R6 =86 R7 =87

R8 =67 R9 =14 R10=76 R11=82 R12=64 R13=85 R14=98 R15=77

Photometric & Radiometric Parameters

Flux = 5070.8 lm Eff. : 122.16 lm/W Fe = 15.557 W Scotopic:8742.5 S/P:1.7241

Electrical parameters

V = 230.3 V I = 0.1951 A P = 41.51 W PF = 0.9242 F=49.99 Hz

Darkroom Test report

