



深圳光之宝科技有限公司
Shenzhen Guangzhibao Technology Co., Ltd.

产品规格书

Product Data sheet

Product Name: LED Round Panel Light

Model: LB-PL-R180-13W(NEW)

Dimension: Φ 180*H 13 mm

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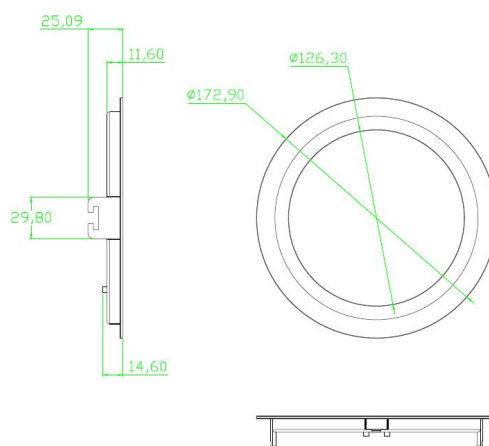
*Specifications subject to change without prior notice.

1. Basic Information

1.1 Features

- ✧ 13mm Ultra-thin Design
- ✧ PB Free
- ✧ CE & ROHS Compatible
- ✧ LED TYPE: SMD 2835
- ✧ CRI: ≥ 80
- ✧ Optional CCT: 3000K / 4000K / 5000K / 6000K
- ✧ Light Angle: 120°
- ✧ Insulation: CLASS II
- ✧ Ingress Protection: IP40
- ✧ Working environment: 10~80%RH, -20℃~50℃
- ✧ Mounting Dimension: D245mm
- ✧ Shell color: Silver/white Optional

Warm White	Nature	Pure White	Cold White
3000K	4000K	5000K	6000K

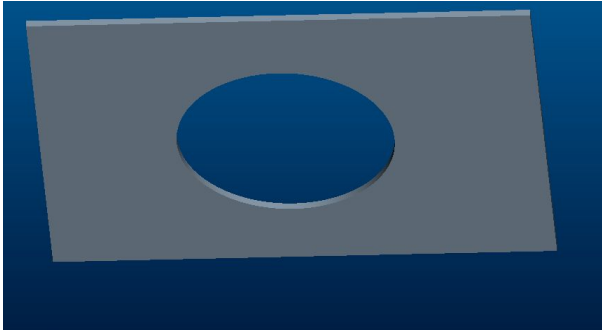


1.2 Electrical-Optical Characteristics

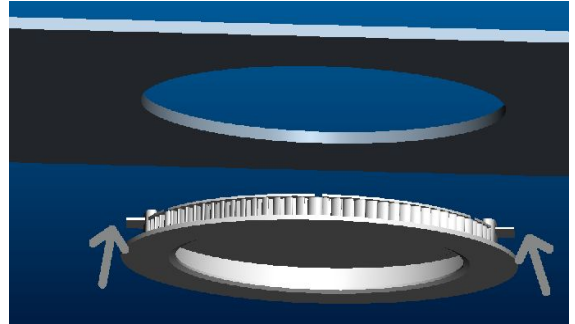
Model	Watts.	LED PCS	Light Eff lm/W	Lumen lm	Power Supply Info.				
					Input	Output	PF	Eff.	
LB-PL-R180-13W	13W	60	90	1000(3000K) 1100(4000K) 1170(6000K)	90-265V	24-42V	0.35A	>0.9	80%

※Notes: the parameter is based on white color with CCT 4000K/5000K/6000K, light efficiency and luminous will be lower for warm white color with CCT 3000K, +/-10% deviation for parameter of electricity and light can be accepted.

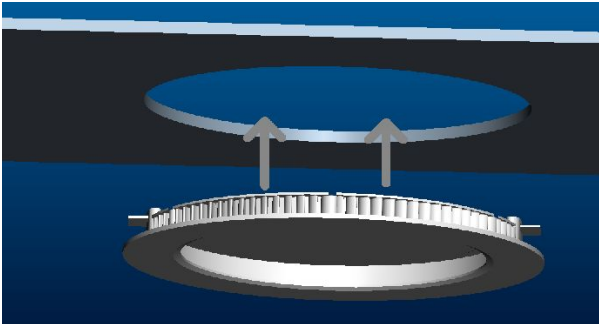
2.Installation Instructions



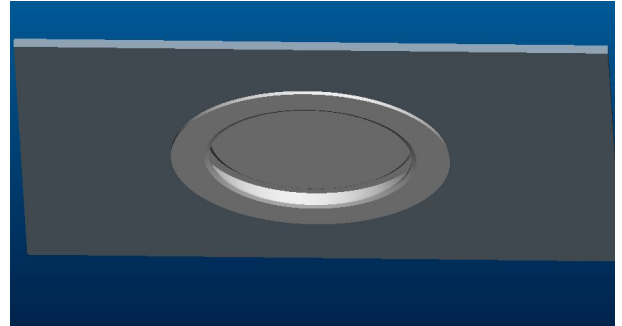
i . Cut out the right size hole in the ceiling according to the panel light's dimension.



ii . Pull up the springs, put the light in the hole make sure the springs are against the wall.

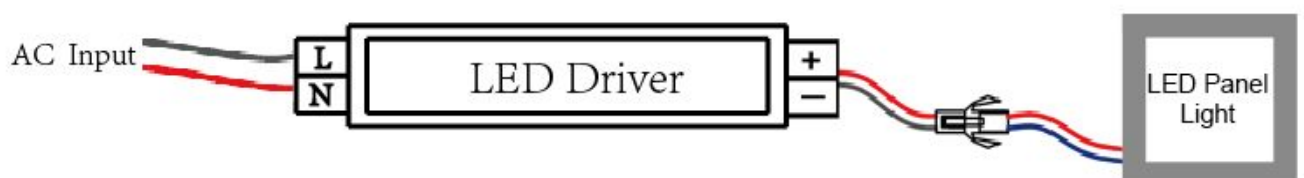


iii. Push the panel light until it touches the ceiling.



iiii. The light fixed like this.

3.The wiring diagram



LED Panel Light Wiring

4. Electrical-Optical Test Reference

Notes: This Test report is based on a certain Part Number LED Panel Light.

For more detail test report please contact our sales.



HPLED Optical&Electrical Fast Meters Test Report

LED Test Report

Product Mark

Product Type : R180-13W-4000K

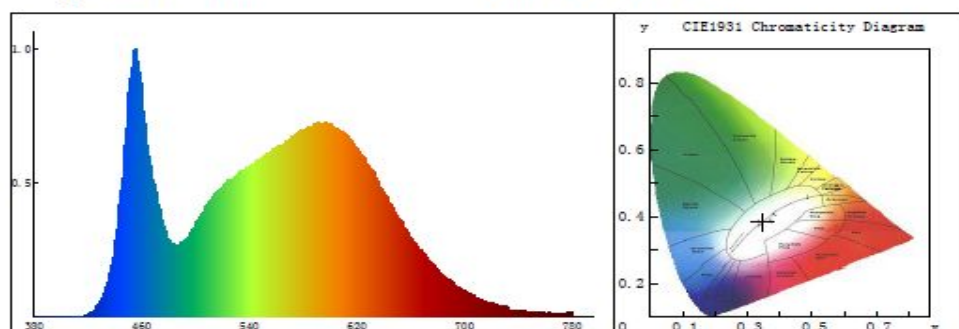
Temperature : 0100℃

Operator : 0100

Manufacturer :

Humidity : 65%

Test Date 2014-9-22



Chroma Parameters

Chro. Coord.: $x = 0.3381$ $y = 0.3432$ $u = 0.2123$ $v = 0.3191$ $duv = -0.0026$

CCT: $T_c = 6163K$

Dominant Wave.: 581.7nm

Purity: 9.5%

R ratio: $R = 18.2$

Peak Wave.: 456.3nm

Half Width: 24.3nm

Rending Index

$R_a = 83.5$

$R_1 = 83$

$R_2 = 89$

$R_3 = 92$

$R_4 = 82$

$R_5 = 82$

$R_6 = 89$

$R_7 = 89$

$R_8 = 69$

$R_9 = 20$

$R_{10} = 73$

$R_{11} = 81$

$R_{12} = 54$

$R_{13} = 85$

$R_{14} = 96$

$R_{15} = 80$

Photo Parameters

Flux: 1169.90lm

Effi.: 90.69lm/W

Radiant: 3365.3mW

Iv: 0.0mcd

Ele. Parameters

Voltage: $U = 223.1V$

Current: $I = 0.634A$

Power: $P = 12.9W$

Power Factor: $PF = 0.912$

Instrument state

IntgeTime: 23.466ms

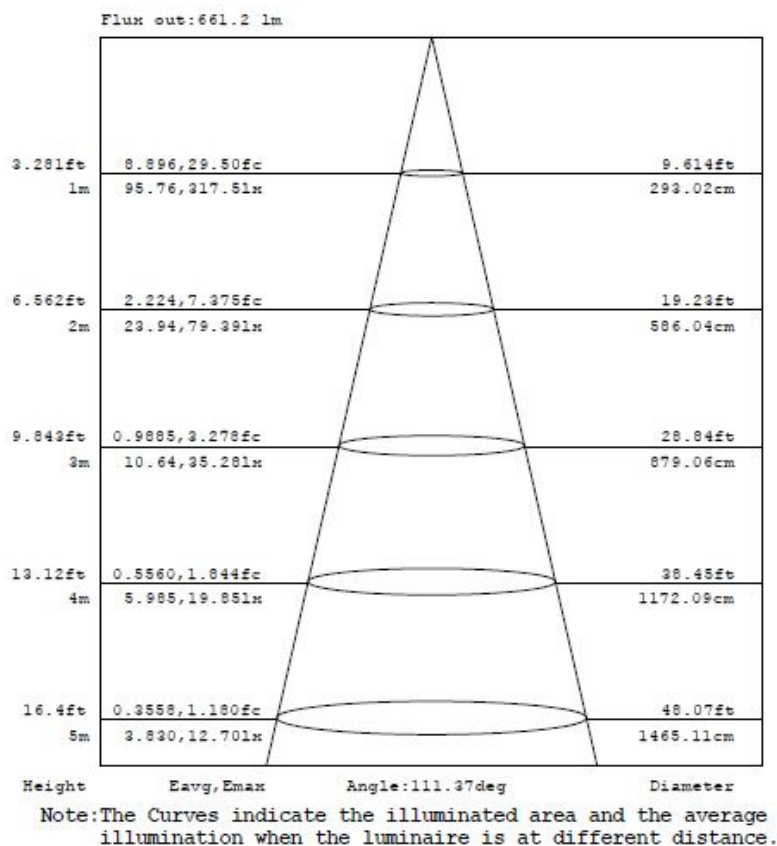
VPeak: 13297

VDark: 1247

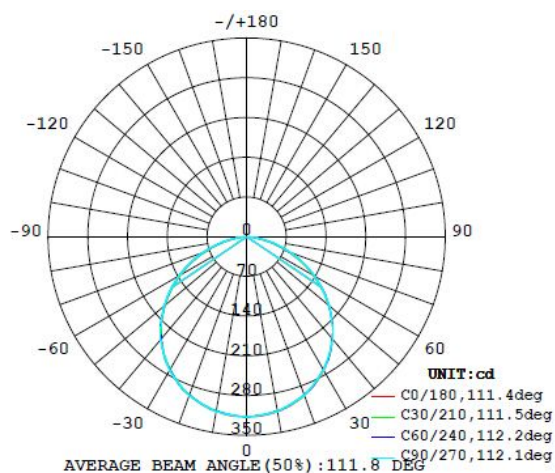
Scan Range: 380-780nm

5. Photometric Test Report

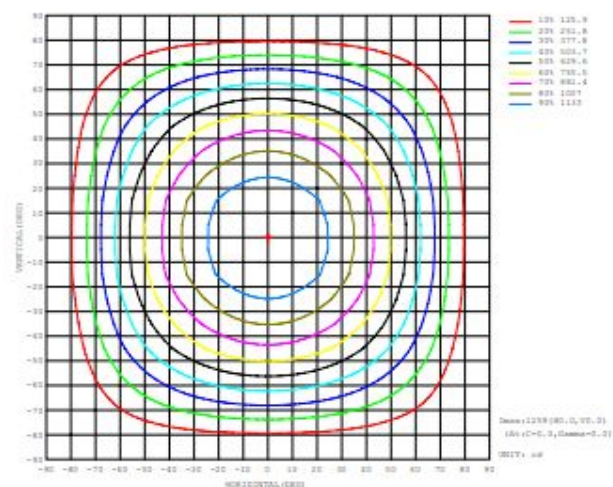
AAI Figure



※Notes: This AAI Figure is based on a certain Part Number LED Panel Light. Different power consume, CCT and CRI will affect the flux out, Eavg and Emax. For more detail information, please contact our sales.



LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



ISOCANDELA DIAGRAM

6. Packing instructions

Size of inner carton: 24.8*20.4*3.9CM

G.W of inner carton: 0.6KG

Packing quantity: 20PCS/mater carton

Size of master carton: 25.8*42.3*41CM

G.W of master carton: 13.5KG

7.Application Scene

- ✧ municipal lighting、bank lighting、gymnasium lighting、airport、cinema、bus station、Public lighting;
- ✧ hotel、super market、convenience store、bar、coffee shop、teahouse;
- ✧ Apply to advertisement, fair, stage.

8.Notes

- ✧ Turn off all connected power before installation
- ✧ Indoor usage only, please add protection for using outdoor;
- ✧ Normal, the standard product is Non-dimmable, contact our sales for more dimmable driver information.
- ✧ Any queries, please contact technician.
- ✧ The flexible cord of the driver can not be changed. This device should be abandoned in case of the flexible cord damaged.