

# SMD LED FIRE RATED DOWNLIGHT PRODUCT SPECIFICATION

**Product Name:** LED FIRE RATED DOWNLIGHT

**Model NO.:** RAV6FHJ21

## Customer Approval

| Tested by | Checked by | Approved by |
|-----------|------------|-------------|
|           |            |             |

## Rayven Approval

| Worked by | Checked by | Approved by |
|-----------|------------|-------------|
|           |            |             |

Foshan Rayven lighting Co.,Ltd. specializes in manufacturing SMD and COB LED downlight, LED oyster light, LED track light, LED high bay light and other LED commercial lighting. The products have SAA, C-tick, CE, RoHS, CB, CUL, UL certificates, and strictly follow EU electrical safety standards.

With SMT production lines, six power driver production lines and lamp production assemble lines, 24 hours aging testing workshop, more than 30 professional LED engineers and technicians, We can supply more than one million energy-saving LED products to all over the world each year.



### 1.Features of Rayven LED FIRE RATED DOWNLIGHT :

- Energy saving:Our LED downlight saves more than 90% power compared with the incandescent light bulb meanwhile it can provide the perfect luminance.
- Long lifespan:Our LED downlight has more than 50,000 hours lighting life which is equal even more than 5 to 10 times of the lifespan of the energy saving lamp.
- Good heat dissipation: epoxy encapsulation, lower calorific value
- Green health environmental protection:No Hg,Pb and UV
- High CRI:Ra>80,makes colors look like the things really do
- Test standard:BS 476:Part 21:1987

**UDC614 841 332 620 1:69 01 699 81 07**

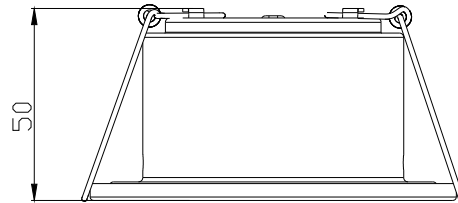
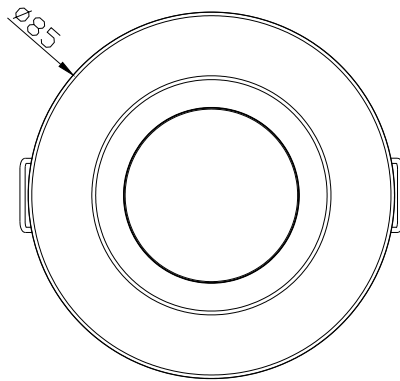
**SGS 30,60,90min**

### 2.Application:

Applications:LED FIRE RATED DOWNLIGHT is widely applied to which traditional fluorescent lamps would normally be used. It appears in anyplace that needs light, such as , banks, hotels, stores, commercial buildings, shopping malls, supermarket, underground garage&etc.

### 3.Physical Dimensions:

Model:RAV6FHJ21



### 4.Typical Technical Parameters:

| Model     | Voltage    | Lumens | Power | Cutout | Beam Angle | Size     |
|-----------|------------|--------|-------|--------|------------|----------|
| RAV6FHJ21 | AC220-240V | 600lm  | 6W    | Φ65mm  | 38°        | Φ85x50mm |

#### 4.1 Face finishing available



White

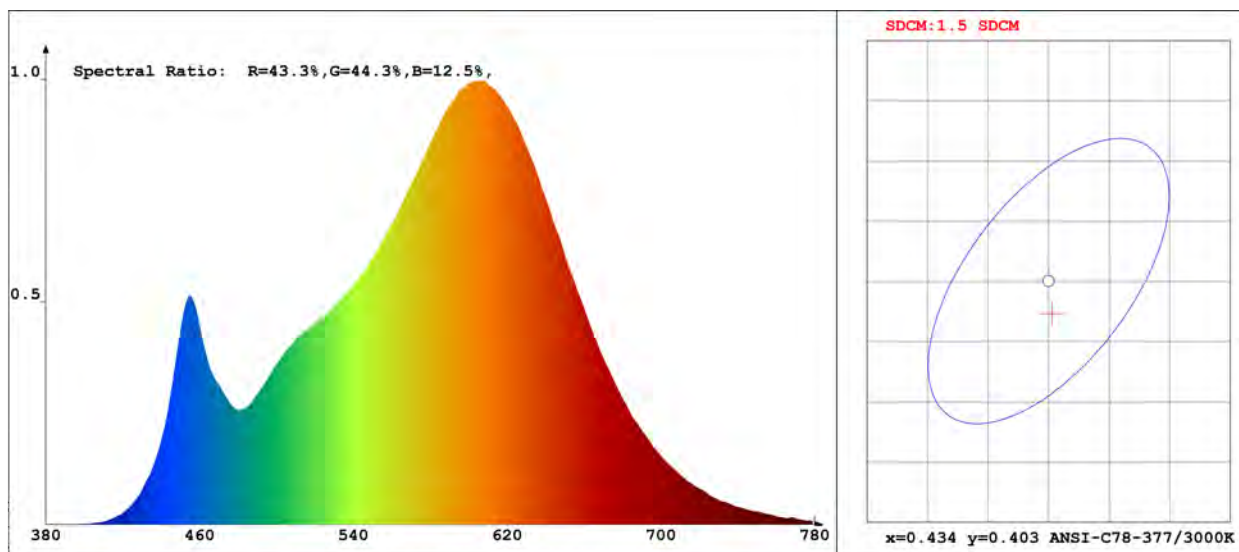


Chrome



Polished Chrome

## 5.Color Parameters:



### Chroma Parameters

Chro.Coor.:x=0.4341 y=0.4003 u=0.2504 v=0.3463 duv=-0.0011  
 CCT: 3017K Dominant Wave.:583.2nm Purity:50.4%  
 Flux RGB Ratio:R=23.2%,G=74.9%,B=1.9% Peak Wave:606.8nm Half Width:126.5nm

### Rendering Index:Ra= 84.5

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| R1 =84 | R2 =94 | R3 =94 | R4 =82 | R5 =85 | R6 =93 | R7 =82 | R8 =61 |
| R9 =16 | R10=87 | R11=82 | R12=78 | R13=87 | R14=98 | R15=77 |        |

### Photo Parameters

Flux:651.98lm Effi.:101.6lm/W Radiant:1892.4mW Iv:0.0mcd  
 Efficiency:0.118 Effi Level:A+ (EU 874-2012)

### Ele. Parameters

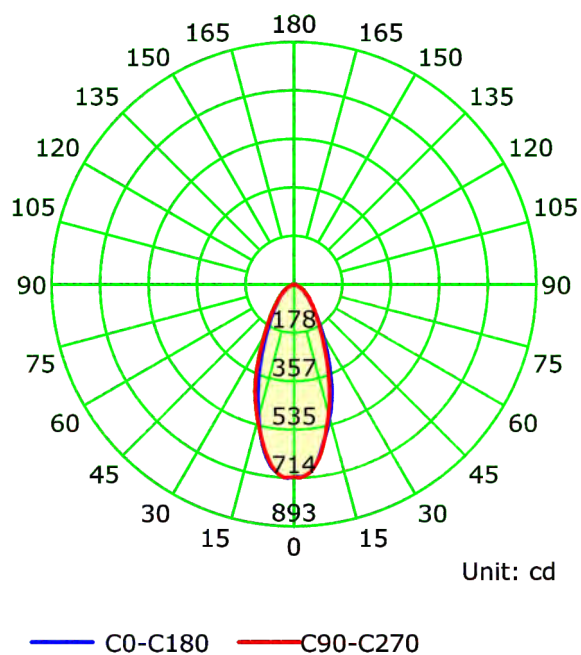
Voltage:U=231.100V Current:I=0.0290A  
 Power:P=6.42W Power Factor:PF=0.946

### Instrument state

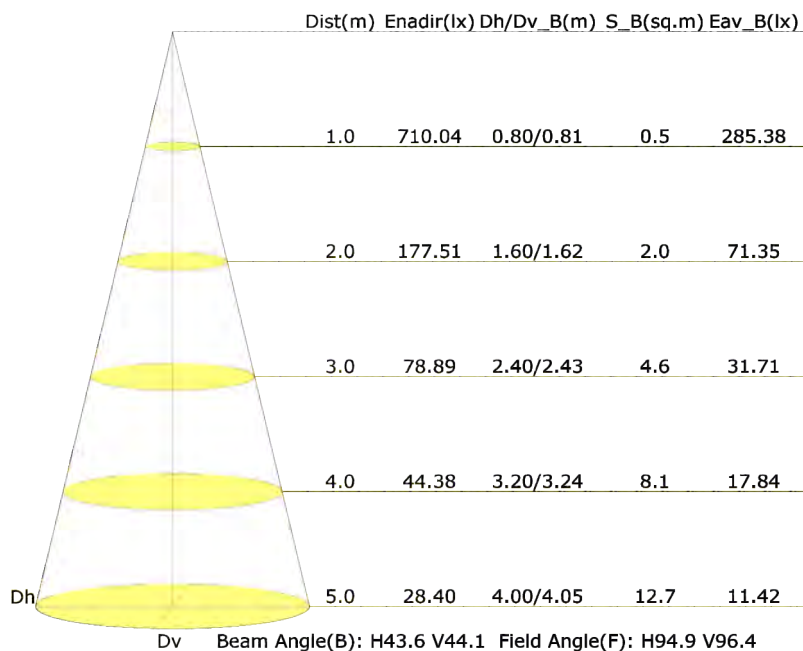
|                         |                          |                       |
|-------------------------|--------------------------|-----------------------|
| Instrument:Hopoo HP8000 | Integral Time: 108.305ms | VPeak: 13343          |
| VDark: 1235             | Scan Range: 380-780nm    | Product ID: 201608142 |

## 6. Illuminance:

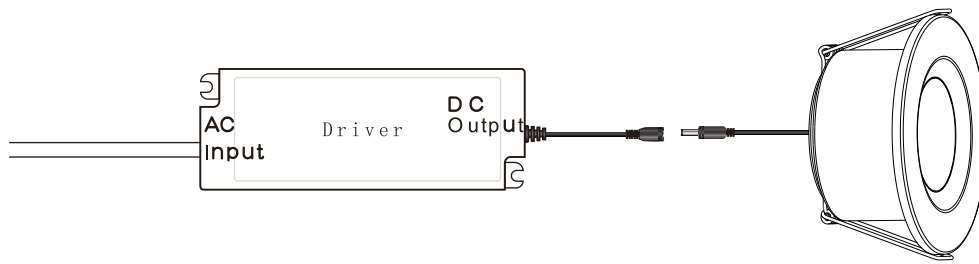
Luminous Intensity Distribution Curve



Illuminance at a Distance

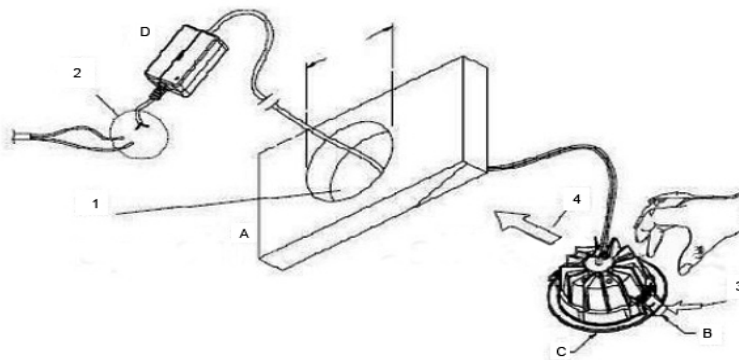
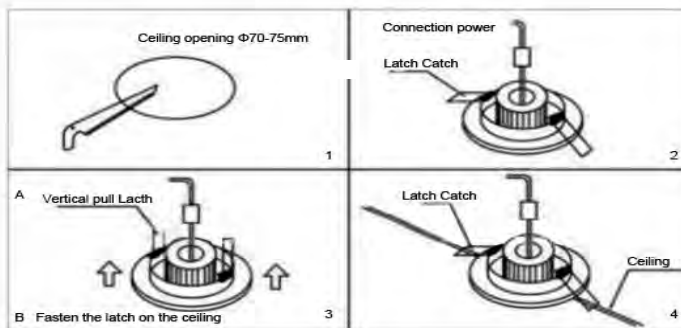


## 7.Connection Road :



**Attention :** Before Installation please make sure the power is turn off .

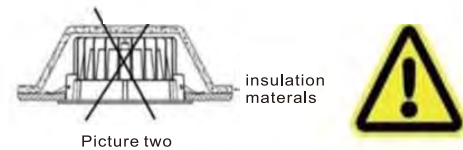
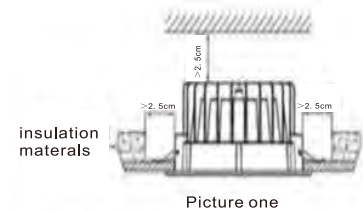
## 8.Installation :



A: Wall  
B. Spring  
C.LED Downlight  
D. Driver

Step 1: Make a hole  
Step 2: Connect the powerwire  
Step 3: Push Spring  
Step 4: Put the downlight into the hole

As shown in above figure,the luminaire mounted in the mounting hole,and ensure strong



**1.Please turn off the power when installing.**

**2.Do not touch or grasp the downlight when it is hot.**

**3.Working environmenttem perature:-20~45℃**

**4.Only for indoor application.**

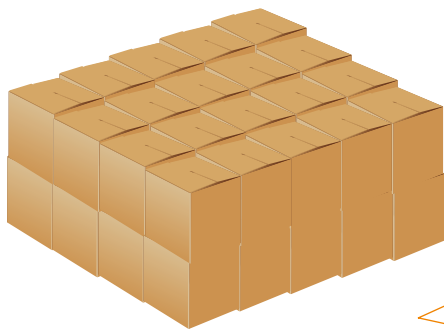
**MUST BE INSTALLED BY LICENSED ELECTRICIAN**

## 9. Packaging information

| Model     | Inner Carton size<br>(L*W*H)mm | outer Carton size<br>(L*W*H)mm | Q'ty/CTN      |
|-----------|--------------------------------|--------------------------------|---------------|
| RAV6FHJ21 | 120*100*55mm                   | 500*213*295mm                  | 40/pcs/Carton |



Size:120\*100\*55mm



40pcs



Size:500\*213\*295cm