

# COB LED DOWNLIGHT

## PRODUCT SPECIFICATION

Product Name: **LED ANTI-GLARE DOWNLIGHT**

Model NO.: **RAVXXDLFXX**

20: 20W  
30: 30W  
40: 40W

61:6inch  
81:8inch

### 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 COB LED DOWNLIGHT:**

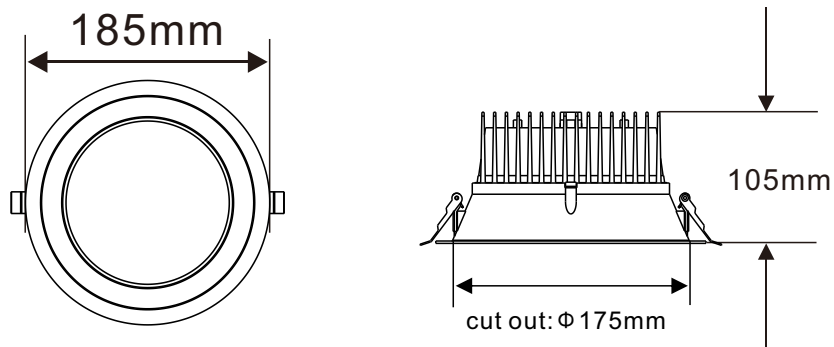
- **High temperature resistant,Good flame retardant,insulation material, Environmental protection,economy lights.**
- **Aluminum Heat Sink. Better Heat dissipation.**
- **Aluminum reflector - improve the heat dissipation,light facula evenly.**
- **Big terminal,easy connect;high quality TUV,SAA ,Approved.**

### **2.Application:**

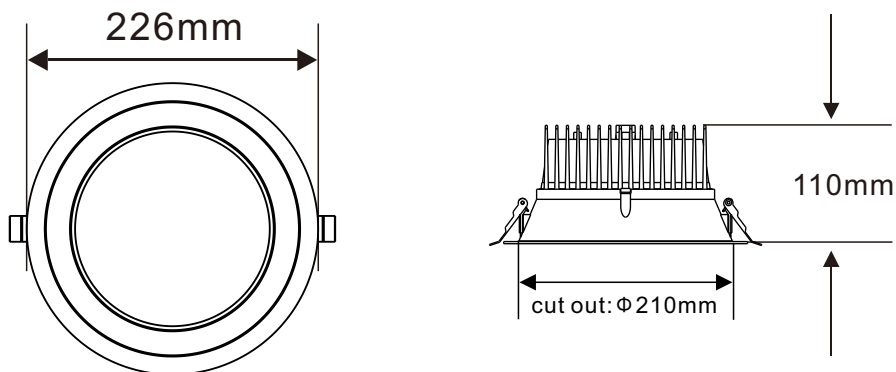
**Applications:Commercial Lighting Series COB LED DOWNLIGHT is widely applied to which traditional fluorescent lamps would normally be used.It appears in anyplace that needs light,such as factories,banks,hotels,stores,commercial buildings,shopping malls, supermarket,underground garage&etc.**

### 3. Physical Dimensions:

MODEL:RAV20DLF61  
RAV30DLF61



MODEL:RAV40DLF81

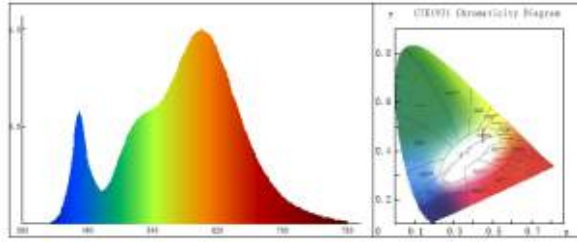


### 4. Typical Technical Parameters:

Model	Voltage	Lumens	Power	Cutout	Beam Angle	CRI	Size	Qty/ctn	PF
RAV20DLF61	AC110-265V	1600-1900lm	20W	Φ 175mm	60°	>80	Φ 185*105mm	12	0.95
RAV30DLF61	AC110-265V	2700-3100lm	30W	Φ 175mm	60°	>80	Φ 185*105mm	12	0.95
RAV30DLF81	AC110-265V	3000-3200lm	30W	Φ 210mm	60°	>80	Φ 226x110mm	8	0.95
RAV40DLF81	AC110-265V	3600-4100lm	40W	Φ 210mm	60°	>80	Φ 226x110mm	8	0.95

## 5.Color Parameters:

### 5.1 Warm White:20W(6inch)



**Chroma Parameters**  
 Chro. Coord.:  $x = 0.4273$   $y = 0.4061$   $u = 0.2435$   $v = 0.3472$   $duv = 0.0023$   
 CCT:  $T_c = 3185K$  Dominant Wave.:  $582.3nm$  Purity:  $50.2\%$   
 R ratio:  $R = 21.6$  Peak Wavelength:  $598.3nm$  Half Width:  $137.0nm$

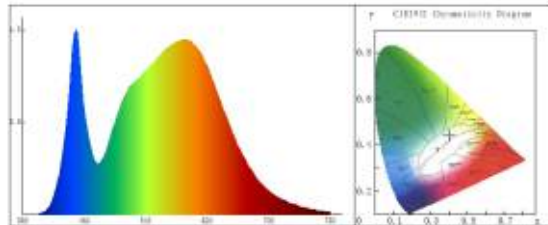
**Reading Index**  $Ra = 82.3$   
 $R1 = 80$   $R2 = 89$   $R3 = 97$   $R4 = 82$   $R5 = 80$   
 $R6 = 87$   $R7 = 84$   $R8 = 59$   $R9 = 1$   $R10 = 76$   
 $R11 = 82$   $R12 = 68$   $R13 = 83$   $R14 = 99$   $R15 = 72$

**Photo Parameters**  
 Flux:  $1613.00lm$  Effl.:  $82.2lm/W$  RadiantPower:  $4482.6mW$

**Ele. Parameters**  
 Voltage:  $U = 220.3V$  Current:  $I = 0.094A$   
 Power:  $P = 19.6W$  Power Factor:  $PF = 0.943$

**Instrument state**  
 IntegTime:  $42.703ms$  VPeak:  $14574$  VDark:  $1420$   
 Scan Range:  $380-780nm$

### 5.2 Warm White:30W(6inch)



**Chroma Parameters**  
 Chro. Coord.:  $x = 0.3738$   $y = 0.3799$   $u = 0.2195$   $v = 0.3347$   $duv = 0.0035$   
 CCT:  $T_c = 4205K$  Dominant Wave.:  $577.3nm$  Purity:  $26.2\%$   
 R ratio:  $R = 17.3$  Peak Wavelength:  $449.7nm$  Half Width:  $25.8nm$

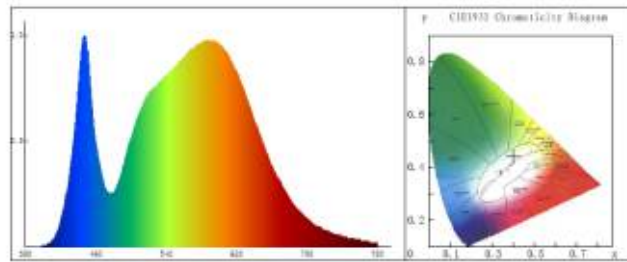
**Reading Index**  $Ra = 81.5$   
 $R1 = 79$   $R2 = 86$   $R3 = 93$   $R4 = 82$   $R5 = 80$   
 $R6 = 82$   $R7 = 87$   $R8 = 64$   $R9 = 4$   $R10 = 68$   
 $R11 = 80$   $R12 = 61$   $R13 = 80$   $R14 = 96$   $R15 = 73$

**Photo Parameters**  
 Flux:  $3241.00lm$  Effl.:  $103.8lm/W$  RadiantPower:  $9047.2mW$

**Ele. Parameters**  
 Voltage:  $U = 220.9V$  Current:  $I = 0.146A$   
 Power:  $P = 31.2W$  Power Factor:  $PF = 0.963$

**Instrument state**  
 IntegTime:  $29.775ms$  VPeak:  $13878$  VDark:  $1225$   
 Scan Range:  $380-780nm$

### 5.3 Natural White:40W(8inch)



**Chroma Parameters**  
 Chro. Coord.:  $x = 0.3754$   $y = 0.3823$   $u = 0.2196$   $v = 0.3355$   $duv = 0.0041$   
 CCT:  $T_c = 4179K$  Dominant Wave.:  $577.3nm$  Purity:  $27.4\%$   
 R ratio:  $R = 17.2$  Peak Wavelength:  $447.4nm$  Half Width:  $25.4nm$

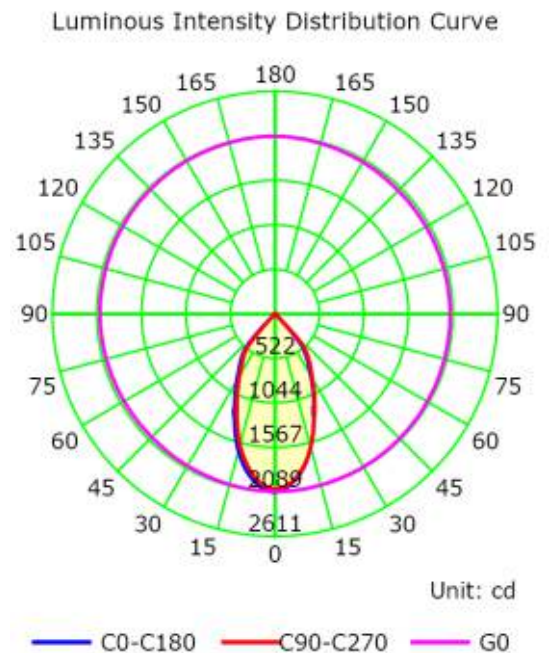
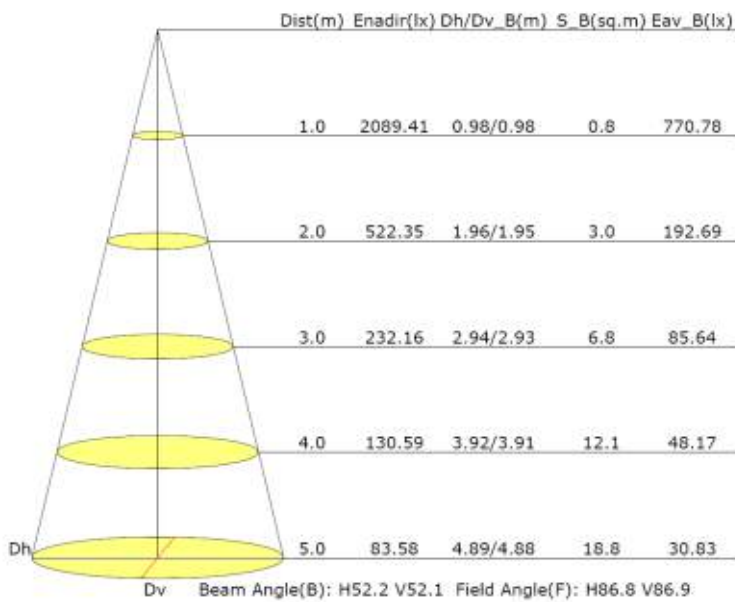
**Rending Index**  $R_a = 80.8$   
 $R1 = 78$   $R2 = 85$   $R3 = 92$   $R4 = 82$   $R5 = 79$   
 $R6 = 81$   $R7 = 86$   $R8 = 64$   $R9 = 2$   $R10 = 66$   
 $R11 = 81$   $R12 = 62$   $R13 = 79$   $R14 = 95$   $R15 = 72$

**Photo Parameters**  
 Flux:  $4042.00lm$  Effi.:  $102.4lm/W$  RadiantPower:  $11449.8mW$

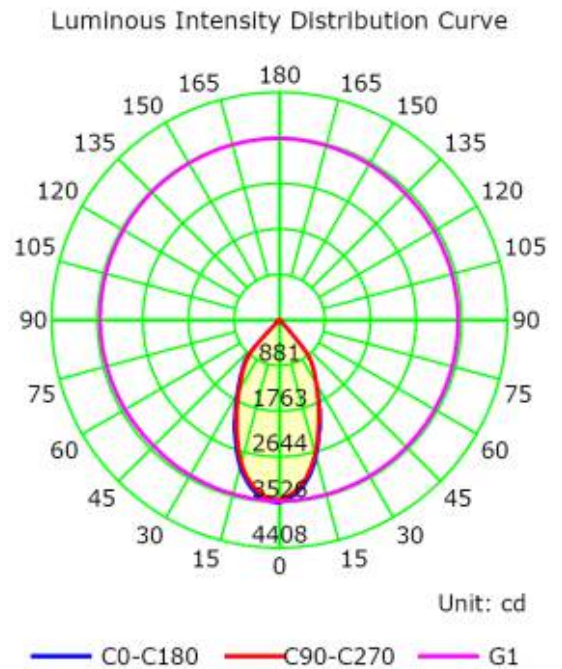
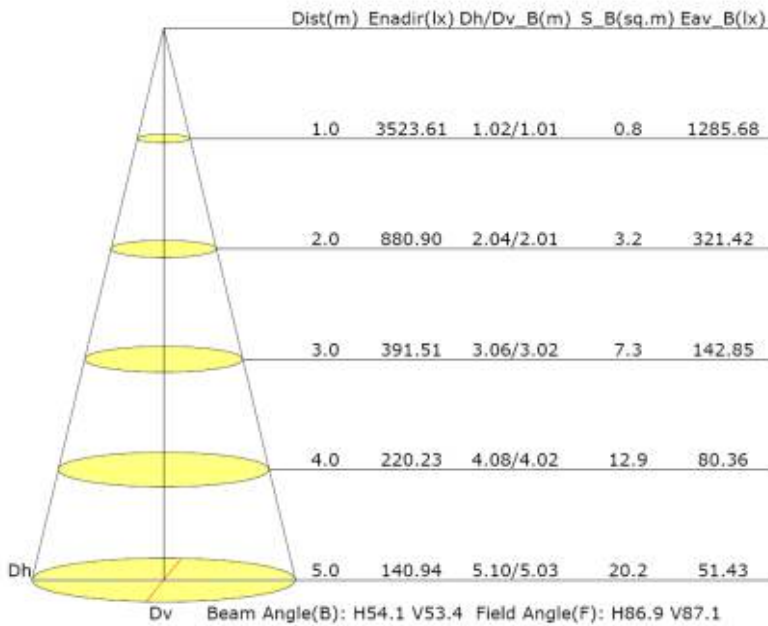
**Ele. Parameters**  
 Voltage:  $U = 221.7V$  Current:  $I = 0.182A$   
 Power:  $P = 39.5W$  Power Factor:  $PF = 0.976$

**Instrument state**  
 IngeTime:  $18.297ms$  VPeak:  $15606$  VDark:  $1415$   
 Scan Range:  $380-780nm$

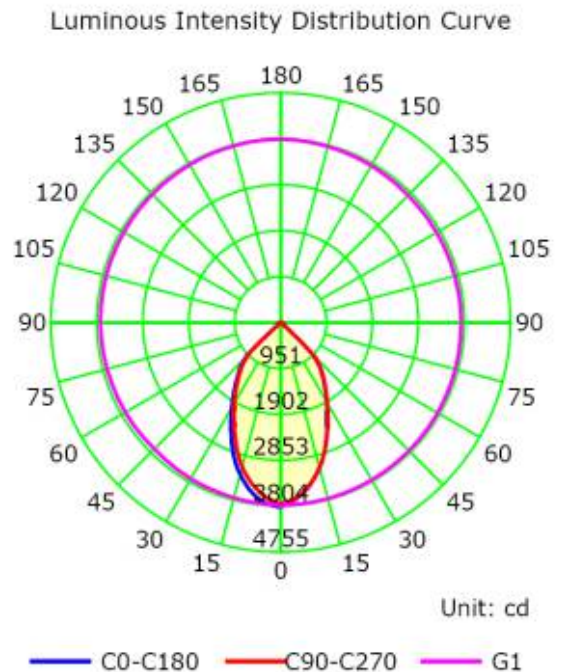
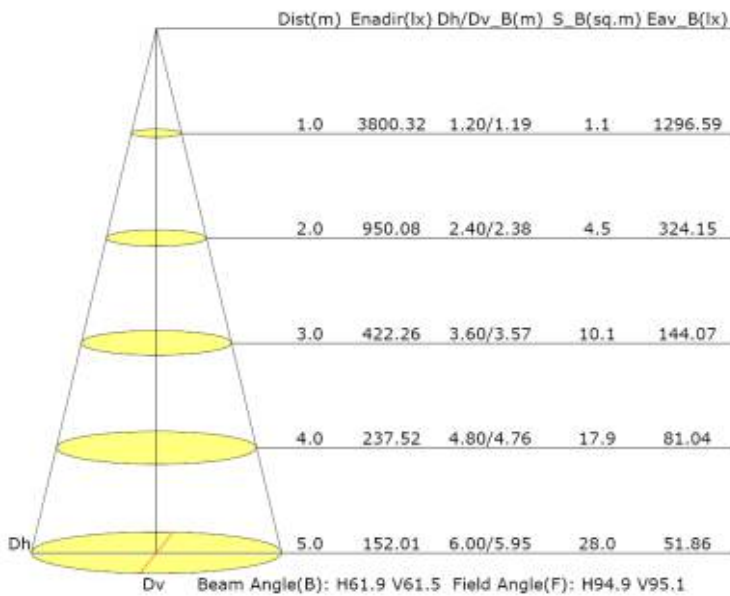
### 6. Illuminance: 6.1 6inch-20W



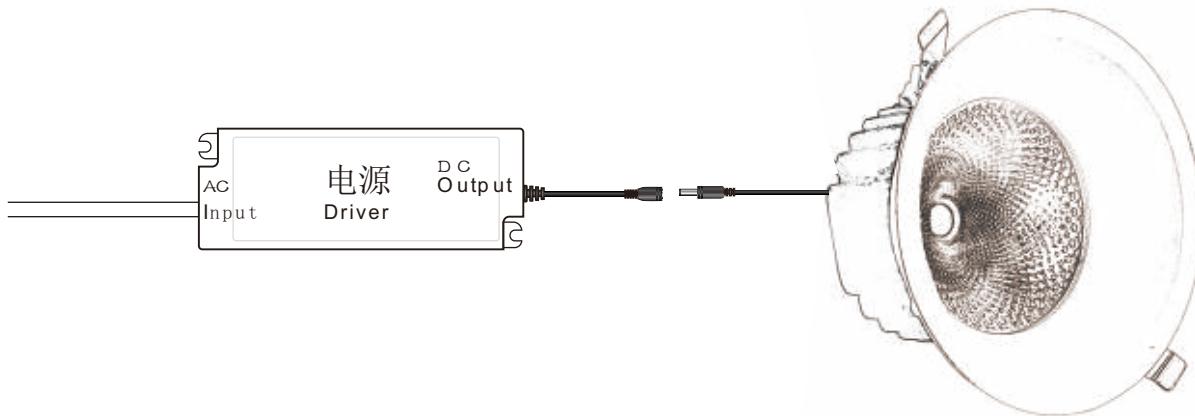
### 6.2 6inch-30W



### 6.3 8inch-40W

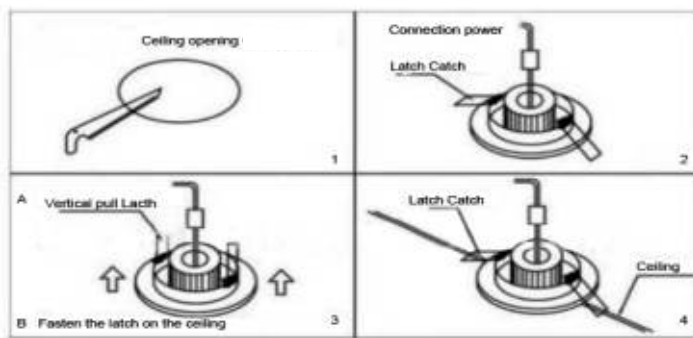


## 7.Connection Road :

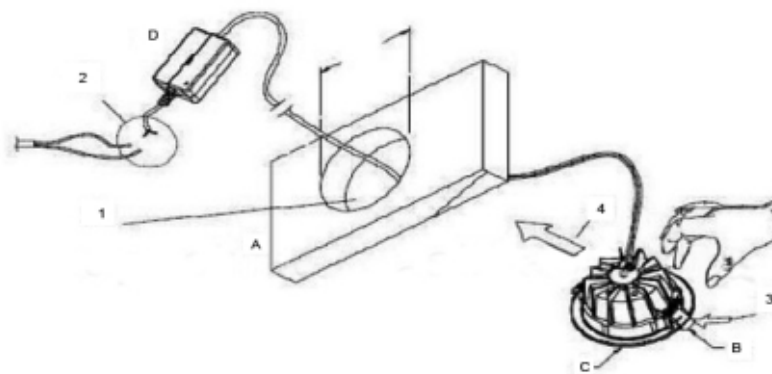
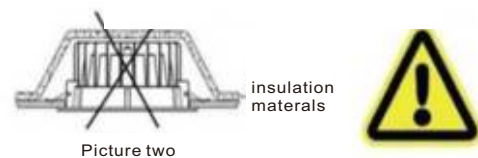
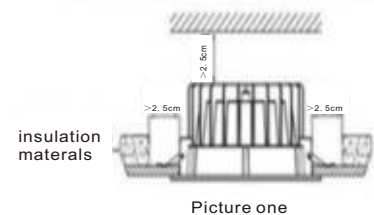


Attention :Before Installation please make sure the power is turn off .

## 8.Installation :



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



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

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

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

**3.Working environment temperature:-20~45°C**

**4.Only for indoor application.**

**MUST BE INSTALLED BY LICENSED ELECTRICIAN**

## 9. Packaging information

Model	Inner Carton size (L*W*H) mm	outer Carton size (L*W*H) mm	Q'ty/CTN
RAV20DLF61	220*188*110mm	59.2*45.8*24.2cm	12pcs/Carton
RAV30DLF61	220*188*110mm	59.2*45.8*24.2cm	12pcs/Carton
RAV30DLF81	265*265*120mm	55.2*54.8*26.2cm	8pcs/Carton
RAV40DLF81	265*265*120mm	55.2*54.8*26.2cm	8pcs/Carton



12pcs



Size: 59.2\*45.8\*24.2cm



8pcs



Size: 55.2\*54.8\*26.2cm