

COB LED DOWNLIGHT PRODUCT SPECIFICATION

Product Name: LED GRID LIGHT

Model NO.: RAVXXXXC41

10M6
15M6
20A1
30A1
40A1
43A1
50A1

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 :

- Energy saving:**Our LED downlight save 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 50000 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:** $R_a > 80$, makes colors look like the things really do

2.Application:

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

3.Physical Dimensions:

Model:RAV10M6C41

RAV15M6C41

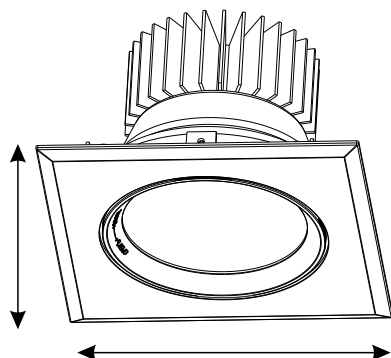
RAV20A1C41

RAV30A1C41

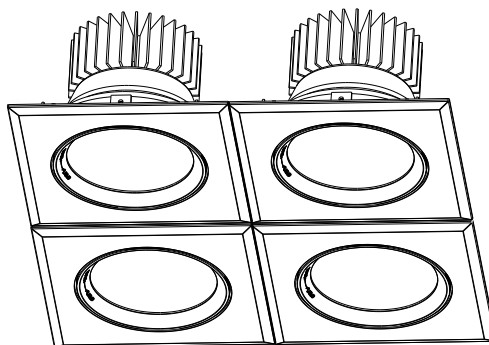
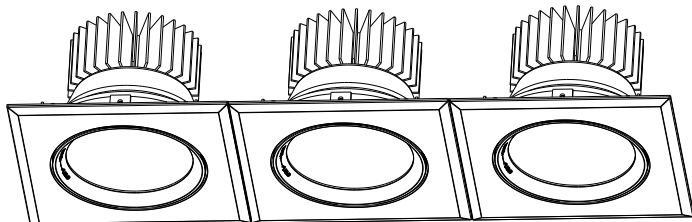
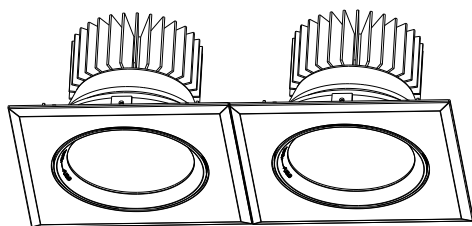
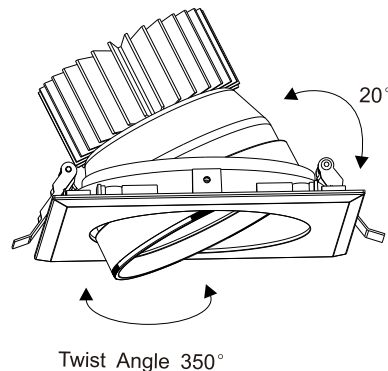
RAV40A1C41

RAV43A1C41

RAV50A1C41



Size:170X170mm



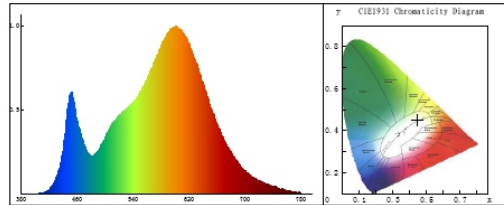
4.Typical Technical Parameters:

Model	Voltage	Lumens	Power	Cutout	Beam Angle	Size
RAV10M6C41	AC110-265V	850-1100lm	10W	150X150mm	24°/45°	170x170mm
RAV15M6C41	AC110-265V	1200-1500lm	15W	150X150mm	24°/45°	170x170mm
RAV20A1C41	AC110-265V	1800-2100lm	20W	150X150mm	24°/45°	170x170mm
RAV30A1C41	AC110-265V	2700-3200lm	30W	150X150mm	24°/45°	170x170mm
RAV40A1C41	AC110-265V	3600-4100lm	40W	150X150mm	24°/45°	170x170mm
RAV43A1C41	AC110-265V	3800-4300lm	43W	150X150mm	24°/45°	170x170mm
RAV50A1C41	AC110-265V	4500-5200lm	50W	150X150mm	24°/45°	170x170mm

5.Color Parameters:

Single head led grid light 30W

Product Mark
Product Type :
Temperature : 30°C
Operator :
Manufacturer :
Humidity : %
Test Date 0



Chroma Parameters
Chro. Coord.: $x = 0.4244$ $y = 0.3923$ $u = 0.2475$ $v = 0.3432$ $duv = -0.0029$
CCT: $T_c = 3124K$ Dominant Wave.: 584.5nm Purity: 45.1%
R ratio: $R = 22.3$ Peak Wavelength: 601.6nm Half Width: 124.8nm

Rending Index $R_a = 82.2$
R1 = 80 R2 = 92 R3 = 95 R4 = 81 R5 = 83
R6 = 91 R7 = 80 R8 = 57 R9 = 5 R10 = 82
R11 = 80 R12 = 74 R13 = 83 R14 = 98 R15 = 73

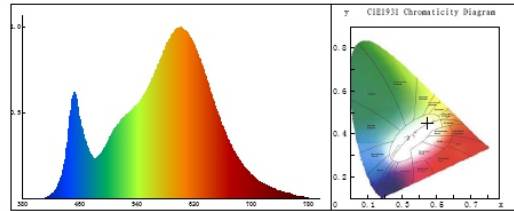
Photo Parameters
Flux: 2925.87lm Effi.: 90.5lm/W RadiantPower: 27787.6mW

Ele. Parameters
Voltage: $U = 220.8V$ Current: $I = 0.152A$
Power: $P = 32.3W$ Power Factor: $PF = 0.957$

Instrument state
IntgeTime: 89.905ms VPeak: 13758 VDark: 1122
Scan Range: 380-780nm

Double head led grid light 60W

Product Mark
Product Type :
Temperature : 30°C
Operator :
Manufacturer :
Humidity : %
Test Date 0



Chroma Parameters
Chro. Coord.: $x = 0.4241$ $y = 0.3921$ $u = 0.2474$ $v = 0.3431$ $duv = -0.0030$
CCT: $T_c = 3128K$ Dominant Wave.: 584.5nm Purity: 45.0%
R ratio: $R = 22.3$ Peak Wavelength: 601.6nm Half Width: 125.4nm

Rending Index $R_a = 82.6$
R1 = 82 R2 = 93 R3 = 94 R4 = 80 R5 = 83
R6 = 92 R7 = 81 R8 = 58 R9 = 7 R10 = 83
R11 = 80 R12 = 75 R13 = 84 R14 = 98 R15 = 74

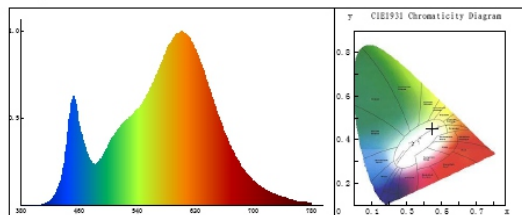
Photo Parameters
Flux: 5647.63lm Effi.: 89.8lm/W RadiantPower: 50817.6mW

Ele. Parameters
Voltage: $U = 220.5V$ Current: $I = 0.297A$
Power: $P = 62.9W$ Power Factor: $PF = 0.959$

Instrument state
IntgeTime: 54.202ms VPeak: 15270 VDark: 1400
Scan Range: 380-780nm

Triple head led grid light 90W

Product Mark
Product Type :
Temperature : 30°C
Operator :
Manufacturer :
Humidity : %
Test Date 0



Chroma Parameters
Chro. Coord.: $x = 0.4233$ $y = 0.3914$ $u = 0.2472$ $v = 0.3428$ $duv = -0.0032$
CCT: $T_c = 3136K$ Dominant Wave.: 584.5nm Purity: 44.5%
R ratio: $R = 22.3$ Peak Wavelength: 601.8nm Half Width: 125.4nm

Rending Index $R_a = 82.5$
R1 = 81 R2 = 92 R3 = 95 R4 = 81 R5 = 83
R6 = 91 R7 = 80 R8 = 57 R9 = 6 R10 = 83
R11 = 80 R12 = 75 R13 = 84 R14 = 98 R15 = 74

Photo Parameters
Flux: 8816.50lm Effi.: 92.5lm/W RadiantPower: 75185.0mW

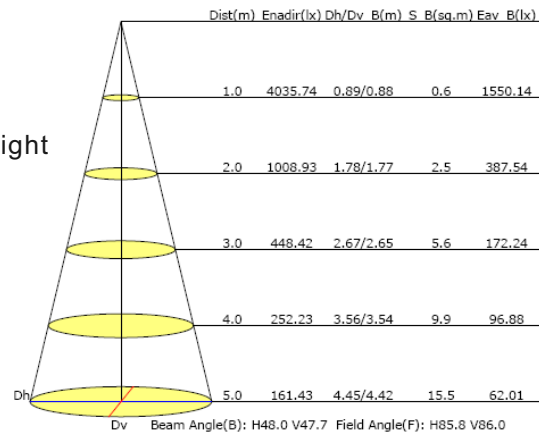
Ele. Parameters
Voltage: $U = 220.2V$ Current: $I = 0.451A$
Power: $P = 95.3W$ Power Factor: $PF = 0.958$

Instrument state
IntgeTime: 34.419ms VPeak: 14310 VDark: 1341
Scan Range: 380-780nm

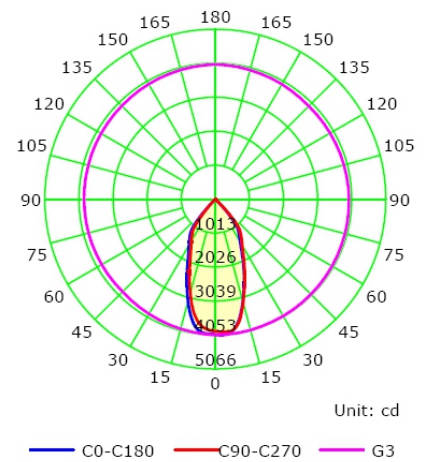
6. Illuminance:

Single head led grid light

30W 24°



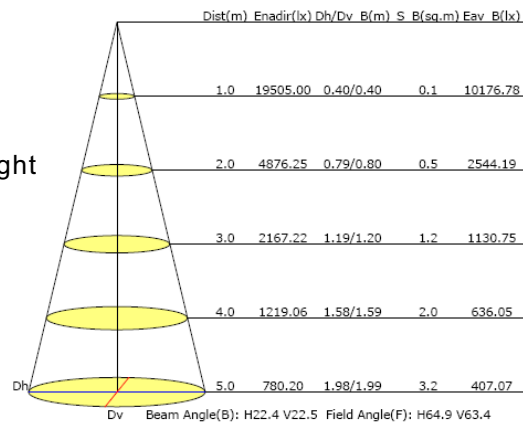
Luminous Intensity Distribution Curve



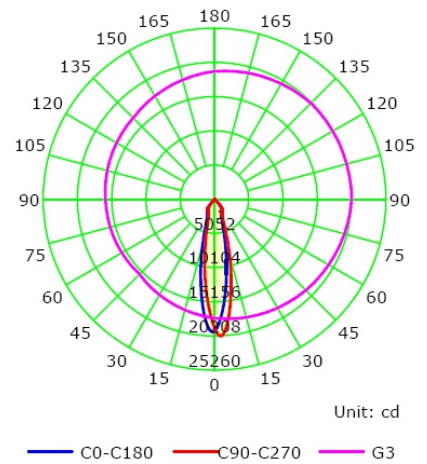
Illuminance at a Distance

Double head led grid light

60W 24°



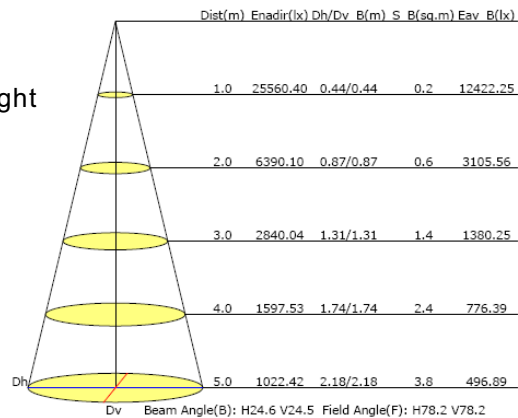
Luminous Intensity Distribution Curve



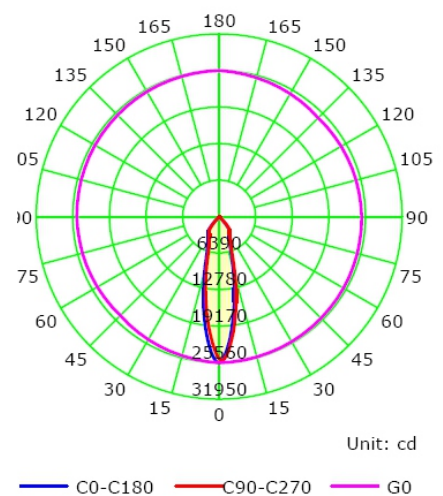
Illuminance at a Distance

Triple head led grid light

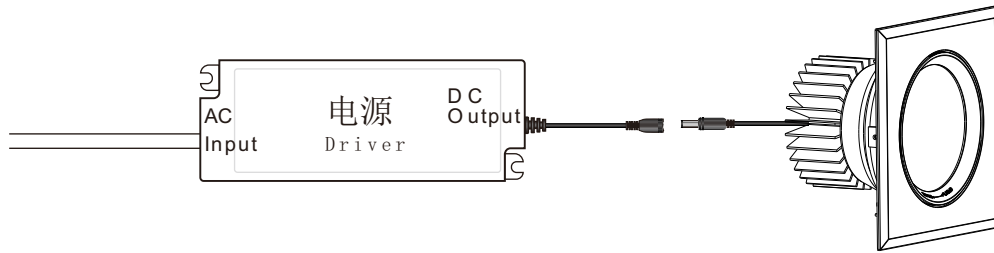
90W 24°



Luminous Intensity Distribution Curve

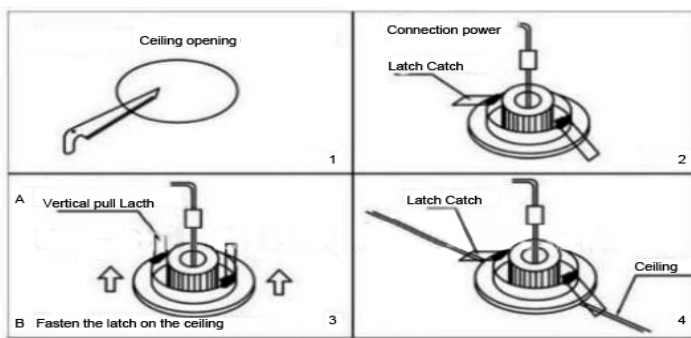


7.Connection Road :

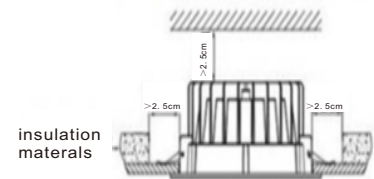


Attention : Before Installation please make sure the power is turn off .

8.Installation :



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



Picture one



Picture two

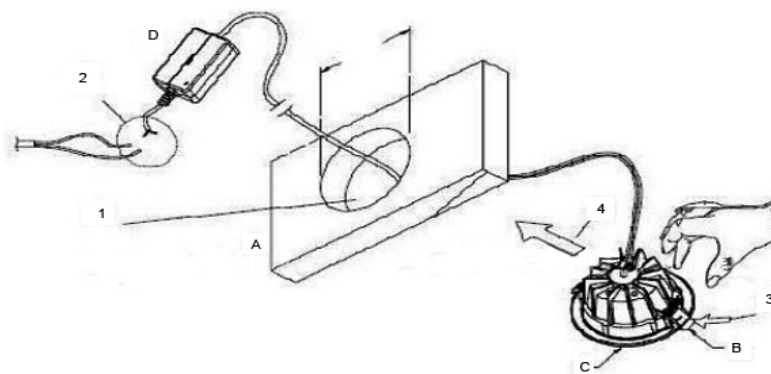


1.Please turn off the power when installing.

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

3.Working environmenttem perature:-20~45℃

4.Only for indoor application.



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

MUST BE INSTALLED BY LICENSED ELECTRICIAN