Rayvenlights®

COB LED DOWNLIGHT
PRODUCT SPECIFICATION

Product Name: LED GRID LIGHT

Model NO.: RAVXXXXC41

20A1
30A1
40A1

Customer Approval

Tested by	Checked by	Approved by

Rayven Approval

Worked by	Checked by	Approved by

Foshan Rayven Lighting Co.,Ltd
ADD:A1 New Lighting Source Industry Zone,
Zip code：528000
Tel: 86-757-63864095 Fax:86-757-81992180
Luocun, Nanhai District, Foshan, Guangdong, China 528200
Website：http://rayvenlights.en.alibaba.com

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 pro -ducts 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 engi-neers 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 incand -escent 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 lifspan 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

2.Application:

Applications:COB LED DOWNLIGHT is widely applied to which traditional fiuorescent 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.

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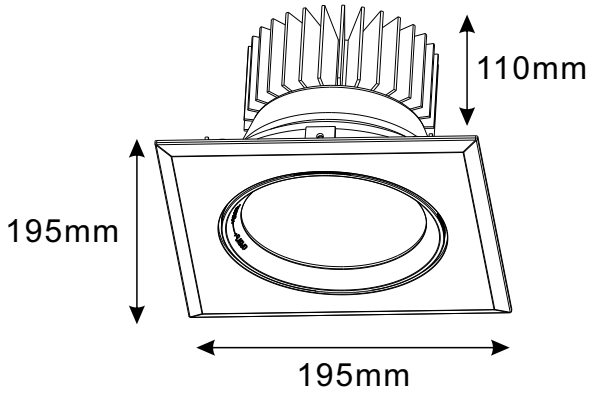
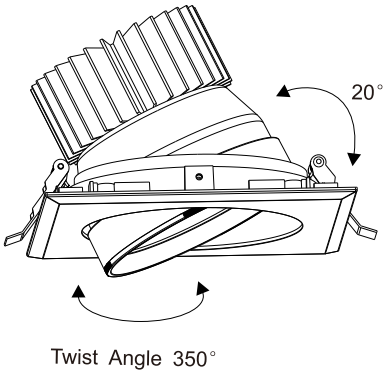
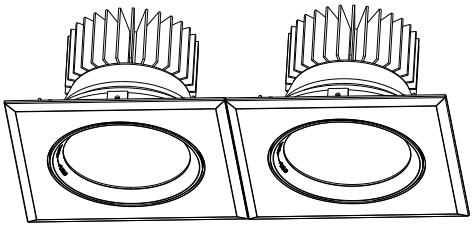
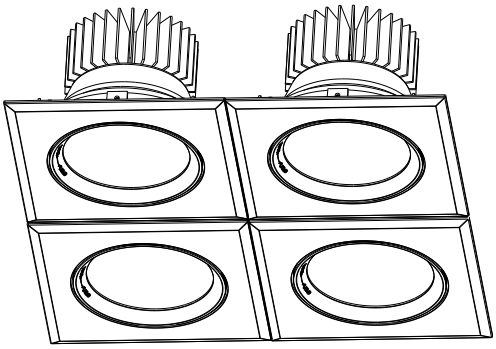
3.Physical Dimensions:

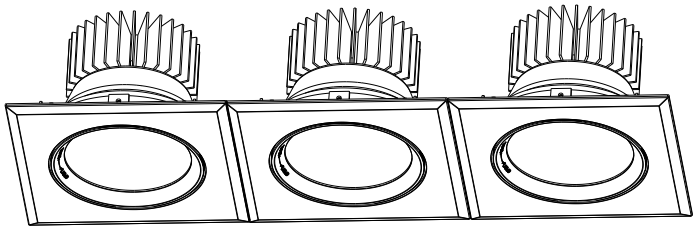
Model: RAV20A1C41
RAV30A1C41
RAV40A1C41











4.Typical Technical Parameters:

Model	Voltage	Lumens	Power	Cutout	Beam Angle	Size
RAV20A1C41	AC110-265V	1900-2100lm	20W	Φ165mm	24°/45°	195x195X110mm
RAV30A1C41	AC110-265V	2900-3100lm	30W	Φ165mm	24°/45°	195x195X110mm
RAV40A1C41	AC110-265V	3900-4100lm	40W	Φ165mm	24°/45°	195x195X110mm

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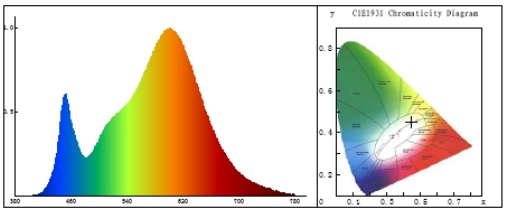
5.Color Parameters:

Single head led grid light

30W

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



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

Rending Index Ra = 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: 2925.871m Effi.: 90.51m/W RadiantPower: 27787.6mW

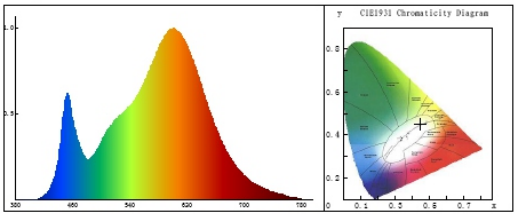
Ele. Parameters
Voltage: U = 220.8V Current: I = 0.152A
Power: P = 32.3W Power Factor: PF = 0.957

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

Double head led grid light

60W

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



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

Rending Index Ra = 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: 5647.631m Effi.: 89.81m/W RadiantPower: 50817.6mW

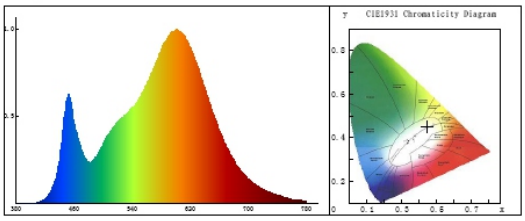
Ele. Parameters
Voltage: U = 220.5V Current: I = 0.297A
Power: P = 62.9W Power Factor: PF = 0.959

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

Triple head led grid light

90W

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



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

Rending Index Ra = 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: 8816.501m Effi.: 92.51m/W RadiantPower: 75185.0mW

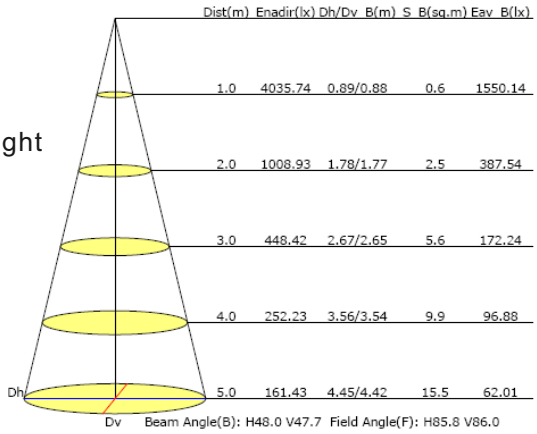
Ele. Parameters
Voltage: U = 220.2V Current: I = 0.451A
Power: P = 95.3W Power Factor: PF = 0.958

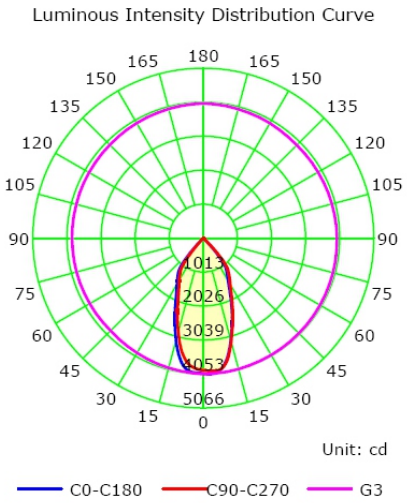
Instrument state
IntgeTime: 34.419ms VPeak: 14310 VDark: 1341
Scan Range: 380-780nm

6. Illuminance:

Single head led grid light

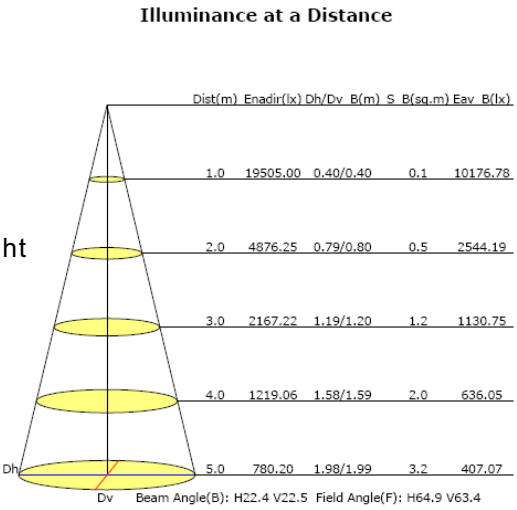
30W 24°

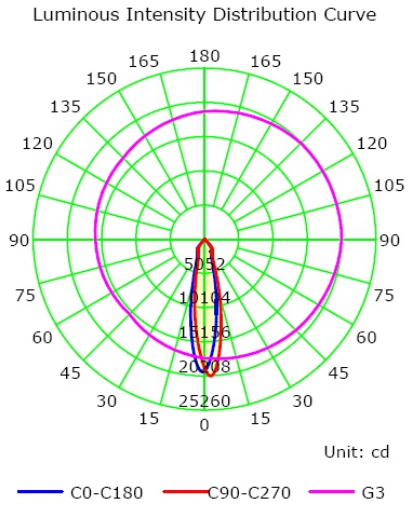




Double head led grid light

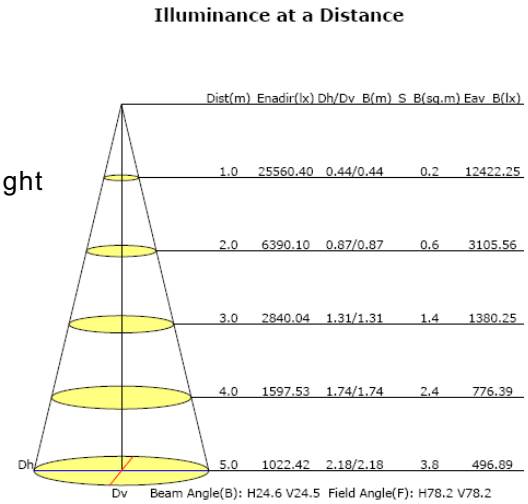
60W 24°

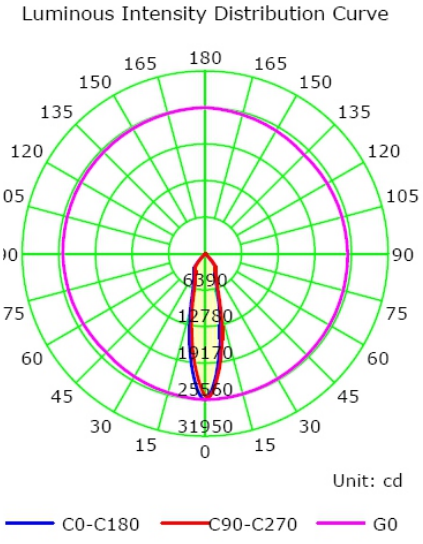




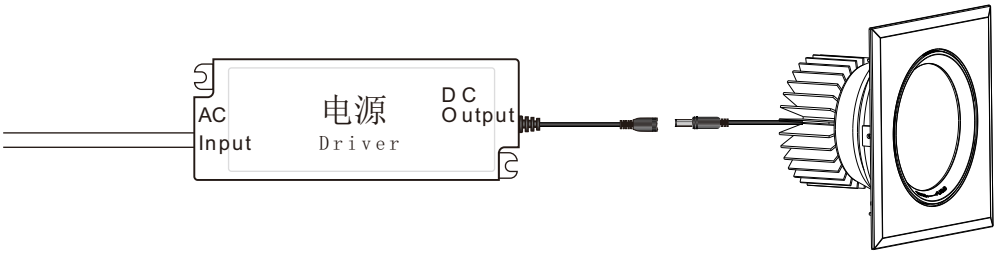
Triple head led grid light

90W 24°



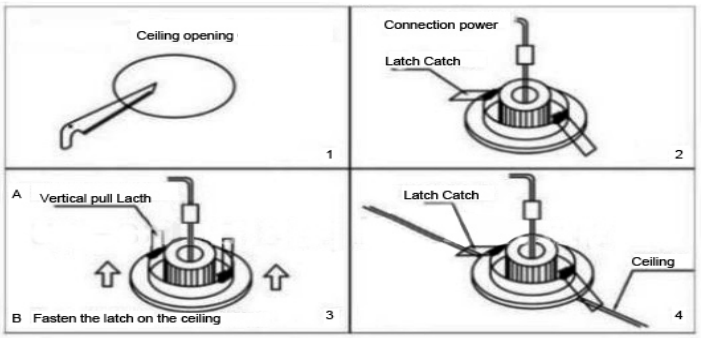


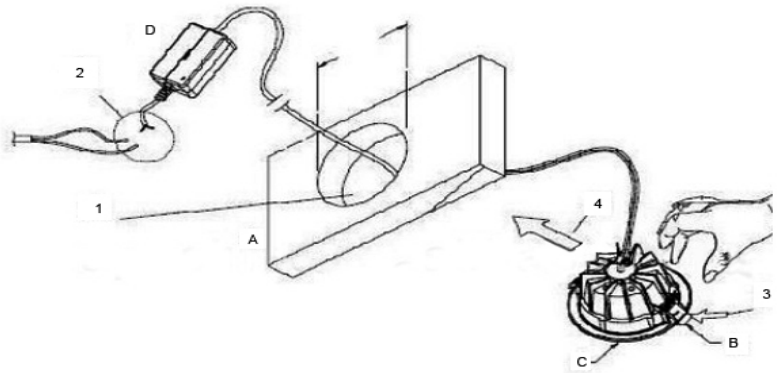
7.Connection Road :



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

8.Installation :

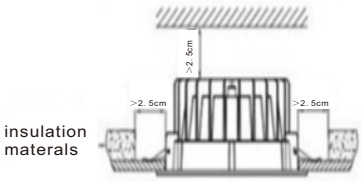




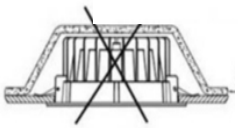
A: Wall
B. Spring
C.LED Downlight
D. Driver

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



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.

MUST BE INSTALLED BY LICENSED ELECTRICIAN

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