

SMD LED DOWNLIGHT PRODUCT SPECIFICATION

Product Name: SMD LED DOWNLIGHT

Model NO.: RAV1201-CLXX

110:10W
120:12W

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 SMD LED DOWNLIGHT :

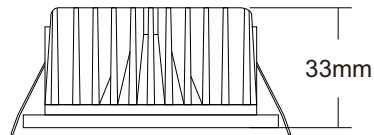
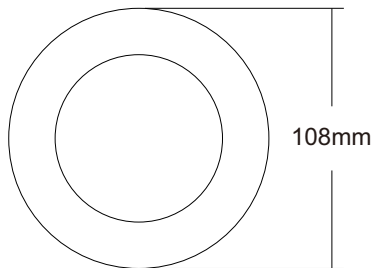
- Energy saving:**Our LED downlight save more than 90% power compared with the incandescent light bulb meanwhile it can provide the perfect luminance.
- Long lifespan :** Our LED downlight has more than 50000 hours lighting life which is equal even more than 5 to 10 times of the lifespan of the energy saving lamp.
- Good heat dissipation:** epoxy encapsulation,lower calorific value
- Green health environmental protection:**No Hg,Pb and UV
- High CRI:Ra>80,**makes colors look like the things really do

2.Application:

Applications:SMD 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: RAV1201-CL110
RAV1201-CL120



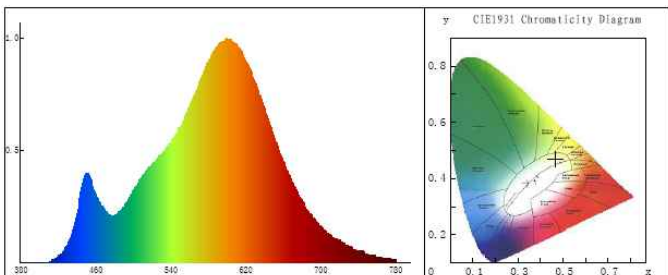
4. Typical Technical Parameters:

Model	Voltage	Lumens	Power	Cutout	Beam Angle	Size
RAV1201-CL110	AC110-265V	750-850lm	10W	Φ90mm	100°	Φ108x33mm
RAV1201-CL120	AC110-265V	850-950lm	12W	Φ90mm	100°	Φ108x33mm

5. Color Parameters:

5.1 Warm White:

10W



Chroma Parameters

Chro. Coord.: $x = 0.4413$ $y = 0.4104$ $u = 0.2507$ $v = 0.3497$ $duv = 0.0019$
 CCT: $T_c = 2977K$ Dominant Wave.: 583.3nm Purity: 55.7%
 R ratio: $R = 22.6$ Peak Wavelength: 600.1nm Half Width: 123.2nm

Rending Index

$R_a = 80.5$
 $R_1 = 78$ $R_2 = 90$ $R_3 = 96$ $R_4 = 77$ $R_5 = 78$
 $R_6 = 88$ $R_7 = 82$ $R_8 = 55$ $R_9 = 0$ $R_{10} = 77$
 $R_{11} = 76$ $R_{12} = 71$ $R_{13} = 81$ $R_{14} = 98$ $R_{15} = 70$

Photo Parameters

Flux: 702.50lm Effi.: 70.7lm/W RadiantPower: 2129.3mW

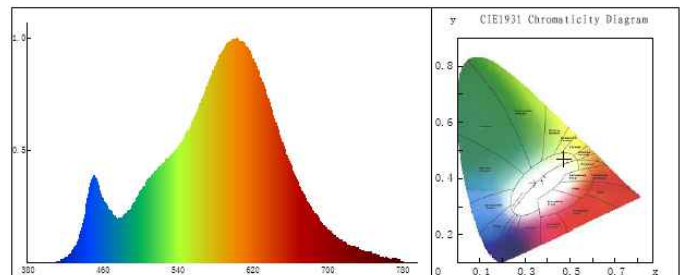
Ele. Parameters

Voltage: $U = 242.0V$ Current: $I = 0.042A$
 Power: $P = 9.9W$ Power Factor: $PF = 0.968$

Instrument state

IntgTime: 94.908ms VPeak: 15742 VDark: 1328
 Scan Range: 380-780nm

12W



Chroma Parameters

Chro. Coord.: $x = 0.4467$ $y = 0.4118$ $u = 0.2535$ $v = 0.3506$ $duv = 0.0018$
 CCT: $T_c = 2903K$ Dominant Wave.: 583.8nm Purity: 57.7%
 R ratio: $R = 23.1$ Peak Wavelength: 603.0nm Half Width: 117.2nm

Rending Index

$R_a = 80.4$
 $R_1 = 78$ $R_2 = 90$ $R_3 = 95$ $R_4 = 78$ $R_5 = 79$
 $R_6 = 89$ $R_7 = 80$ $R_8 = 54$ $R_9 = -2$ $R_{10} = 78$
 $R_{11} = 77$ $R_{12} = 72$ $R_{13} = 81$ $R_{14} = 98$ $R_{15} = 70$

Photo Parameters

Flux: 907.79lm Effi.: 76.3lm/W RadiantPower: 2742.2mW

Ele. Parameters

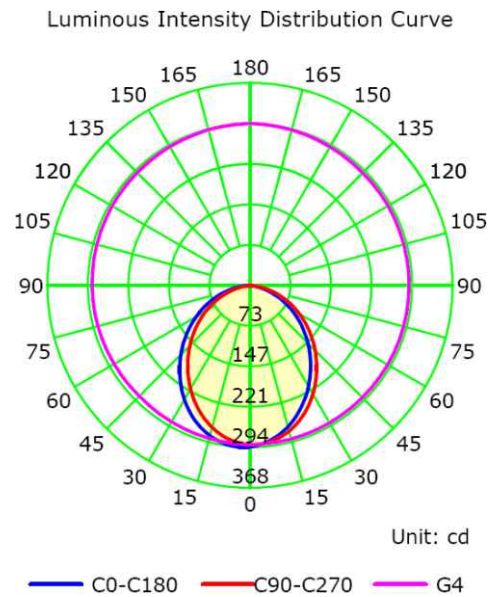
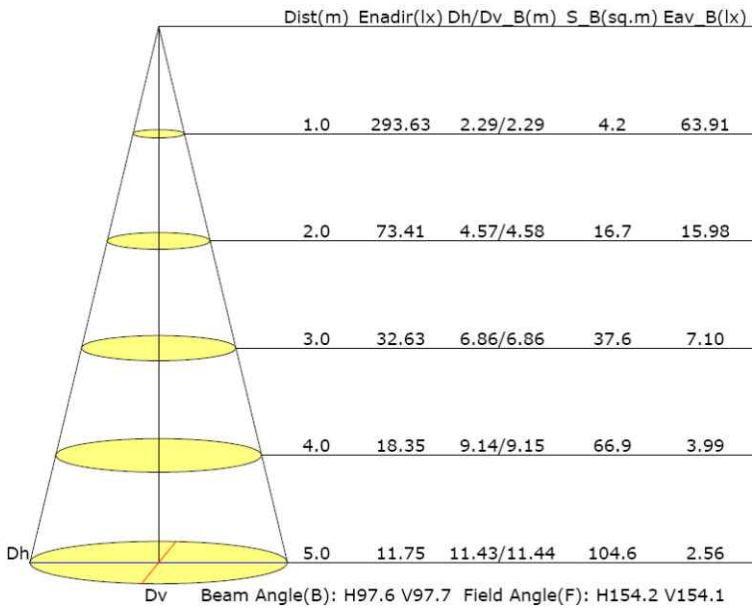
Voltage: $U = 241.8V$ Current: $I = 0.052A$
 Power: $P = 11.9W$ Power Factor: $PF = 0.941$

Instrument state

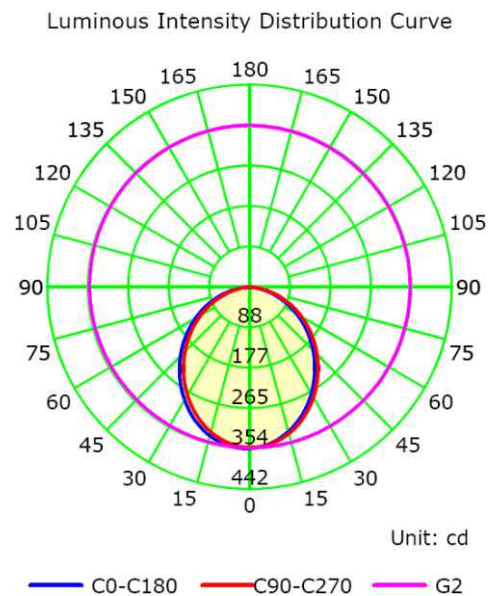
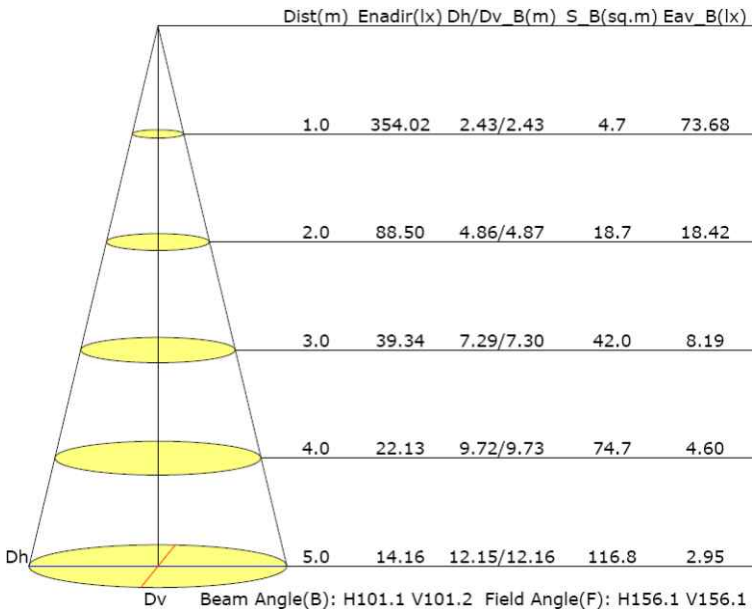
IntgTime: 59.712ms VPeak: 13414 VDark: 1285
 Scan Range: 380-780nm

6. Illuminance:

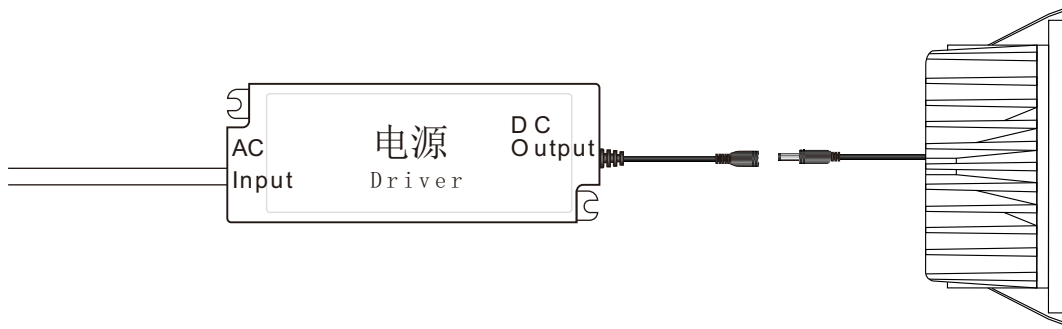
10W



12W

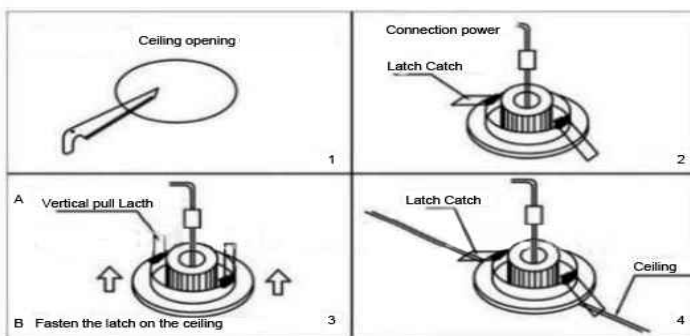


7.Connection Road :

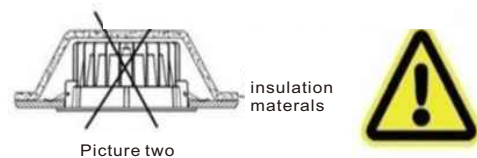
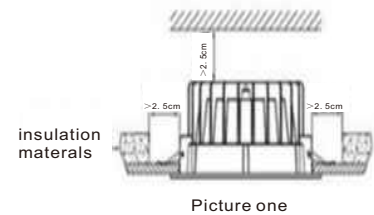


Attention : Before Installation please make sure the power is turn off .

8.Installation :



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

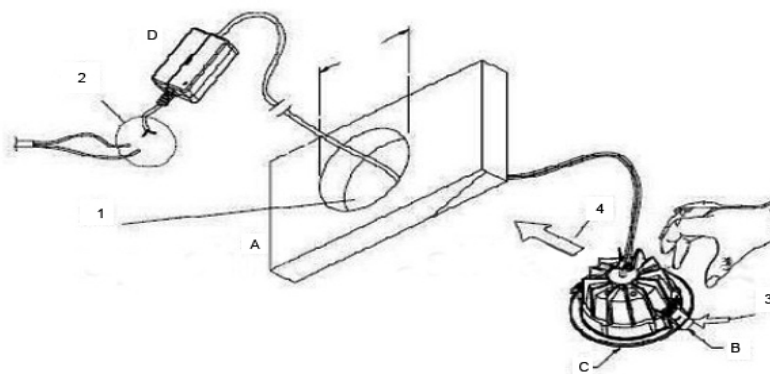


1.Please turn off the power when installing.

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

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

4.Only for indoor application.



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

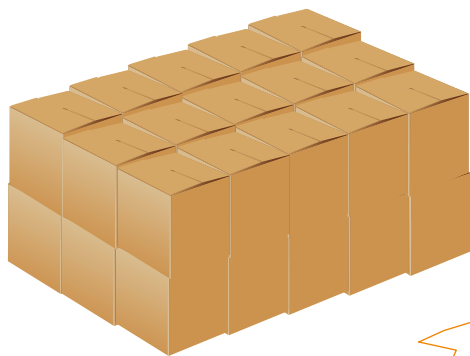
MUST BE INSTALLED BY LICENSED ELECTRICIAN

9.Packaging information

Model	Inner Carton size (L*W*H) mm	outer Carton size (L*W*H) mm	Q'ty/CTN
RAV1201-CL110	170*135*65mm	43*35.6*35cm	30pcs/Carton
RAV1201-CL120	170*135*65mm	43*35.6*35cm	30pcs/Carton



Size:170*135*65mm



30pcs



Size:43*35.6*35cm