



COB LED FIRE RATED DOWNLIGHT PRODUCT SPECIFICATION

Product Name: FIRE RATED DOWNLIGHT

Model NO.: SIRIUS RAV8FHB21-BED 8W 4000K

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 assembly 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.



- Energy saving:Our LED downlight saves more than 90% power compared with the Incandescent light bulb meanwhile it can provide the perfect lumiance.
- 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

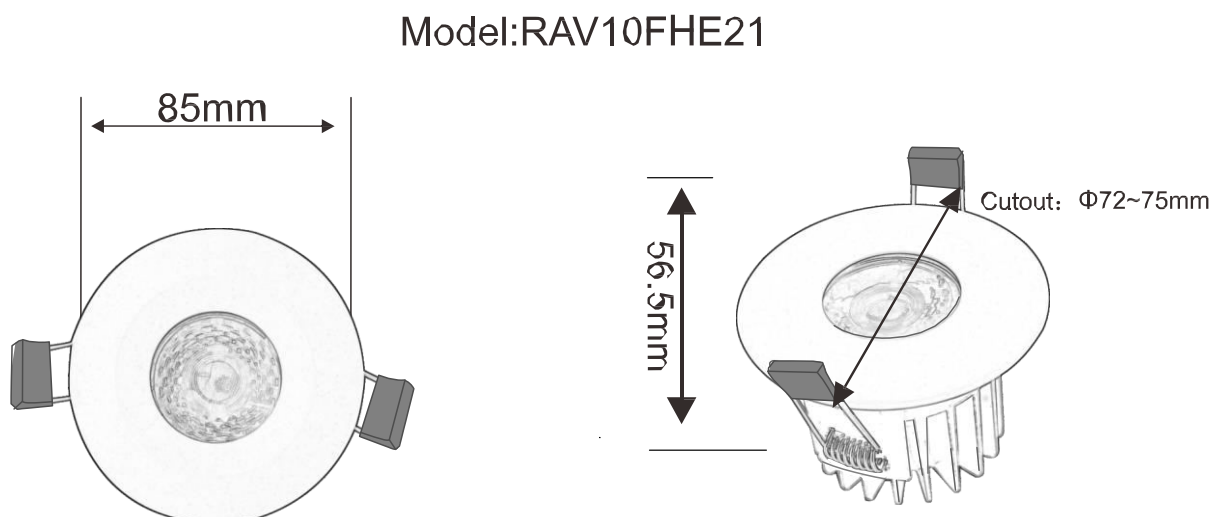
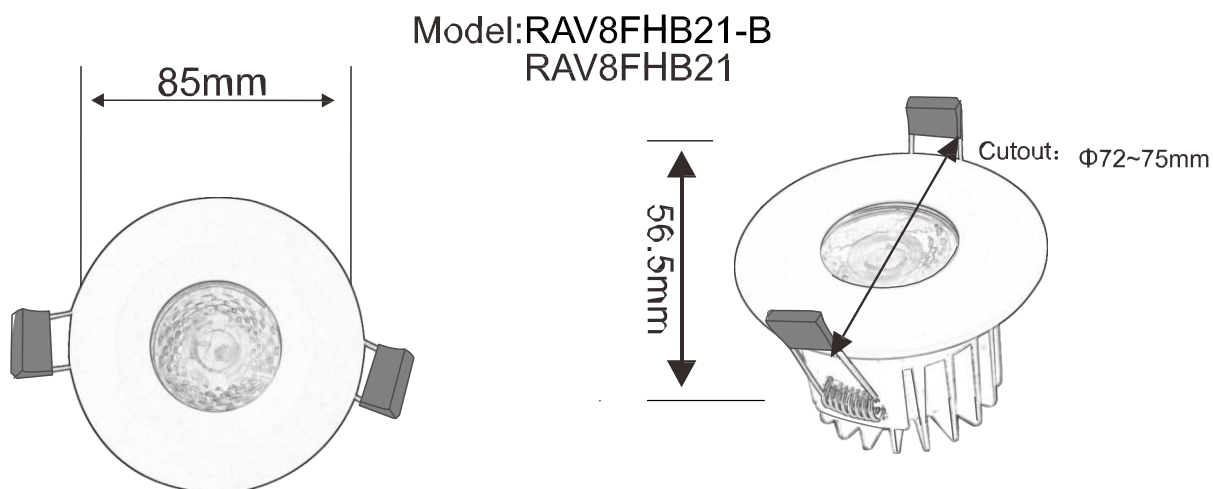
UDC614 841 332 620 1:69 01 699 81 07

SGS 30,60,90min

2.Appllcatlon:

Appllcatlons: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:



4. Typical Technical Parameters:

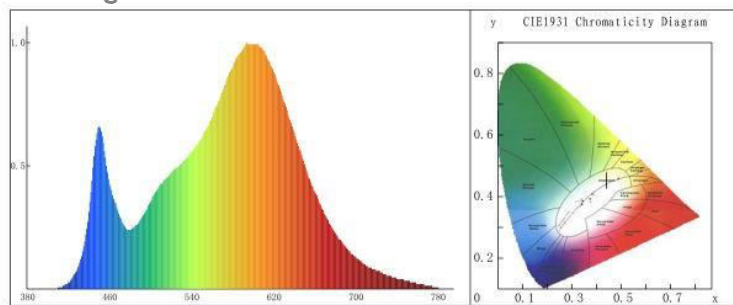
Model	Voltage	Lumens	Power	Cutout	Beam Angle	Size
RAV8FHB21-B	AC110-265V	420-490lm	6W	$\Phi 72\sim 75\text{mm}$	24°/40°/60°	$\Phi 85 \times 56.5\text{mm}$
RAV8FHB21	AC110-265V	580-650lm	8W	$\Phi 72\sim 75\text{mm}$	24°/40°/60°	$\Phi 85 \times 56.5\text{mm}$
RAV10FHE21	AC110-265V	720-800lm	10W	$\Phi 72\sim 75\text{mm}$	24°/40°/60°	$\Phi 85 \times 56.5\text{mm}$

4.1 Face finishing available



5.Color Parameters:

WarmWhite:8W EPISTAR
5%~100% Dimmable Range Available



Chroma Parameters

Chro. Coord.: $x = 0.4192$ $y = 0.3910$ $u = 0.2447$ $v = 0.3423$ $duv = -0.0027$
CCT: $T_c = 3212K$ Dominant Wave.: 584.0nm Purity: 43.2%
R ratio: $R = 21.5$ Peak Wavelength: 594.1nm Half Width: 123.3nm

Rending Index $R_a = 80.8$

$R_1 = 78$ $R_2 = 90$ $R_3 = 95$ $R_4 = 80$ $R_5 = 82$
 $R_6 = 89$ $R_7 = 79$ $R_8 = 54$ $R_9 = -2$ $R_{10} = 79$
 $R_{11} = 78$ $R_{12} = 73$ $R_{13} = 81$ $R_{14} = 98$ $R_{15} = 71$

Photo Parameters

Flux: 609.59lm Effi.: 73.8lm/W RadiantPower: 1639.7mW

Ele. Parameters

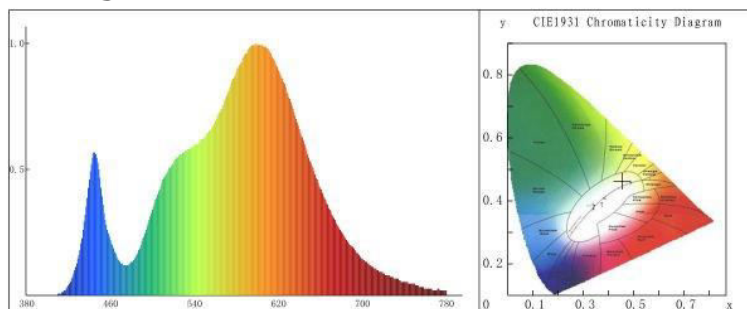
Voltage: $U = 241.2V$ Current: $I = 0.036A$
Power: $P = 8.3W$ Power Factor: $PF = 0.932$

Instrument state

IntgeTime: 118.546ms VPeak: 15718 VDark: 1114
Scan Range: 380~780nm

5.1

5.2 WarmWhite:10W 5%~100% Dimmable Range Available



Chroma Parameters

Chro. Coord.: $x = 0.4306$ $y = 0.4082$ $u = 0.2448$ $v = 0.3480$ $duv = 0.0025$
CCT: $T_c = 3142K$ Dominant Wave.: 582.3nm Purity: 51.8%
R ratio: $R = 21.7$ Peak Wavelength: 598.5nm Half Width: 138.7nm

Rending Index $R_a = 81.4$

$R_1 = 79$ $R_2 = 87$ $R_3 = 96$ $R_4 = 82$ $R_5 = 80$
 $R_6 = 85$ $R_7 = 84$ $R_8 = 58$ $R_9 = 0$ $R_{10} = 72$
 $R_{11} = 83$ $R_{12} = 68$ $R_{13} = 81$ $R_{14} = 98$ $R_{15} = 71$

Photo Parameters

Flux: 732.59lm Effi.: 68.0lm/W RadiantPower: 1932.3mW

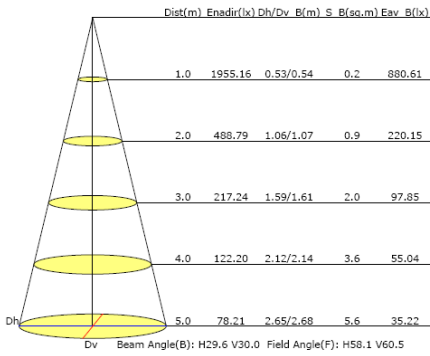
Ele. Parameters

Voltage: $U = 241.1V$ Current: $I = 0.045A$
Power: $P = 10.8W$ Power Factor: $PF = 0.978$

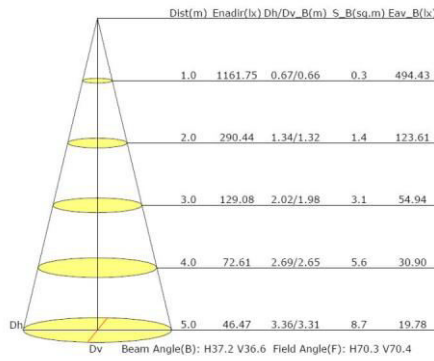
6. Illuminance:

8W

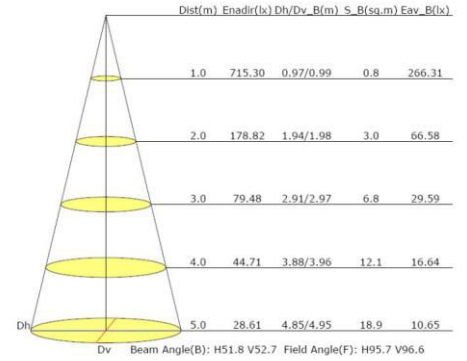
24°



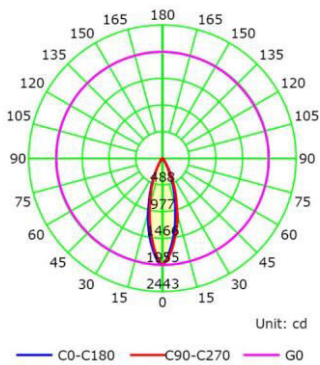
40°



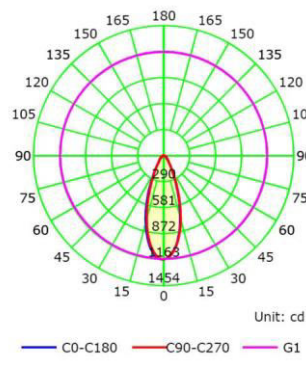
60°



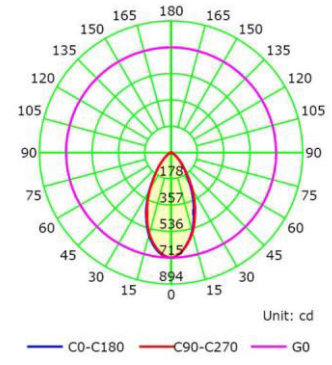
Luminous Intensity Distribution Curve



Luminous Intensity Distribution Curve

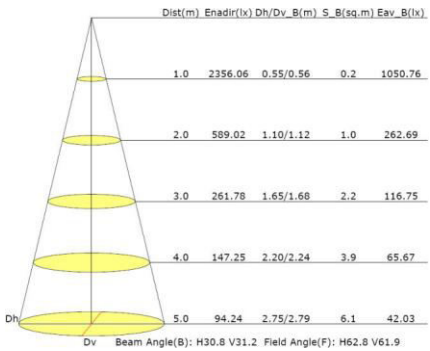


Luminous Intensity Distribution Curve

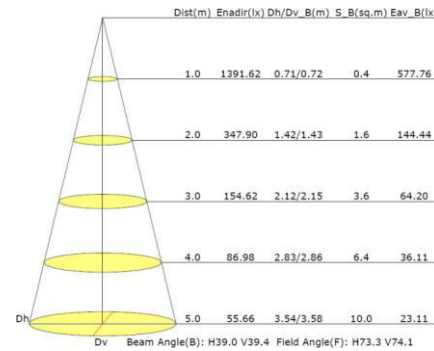


10W

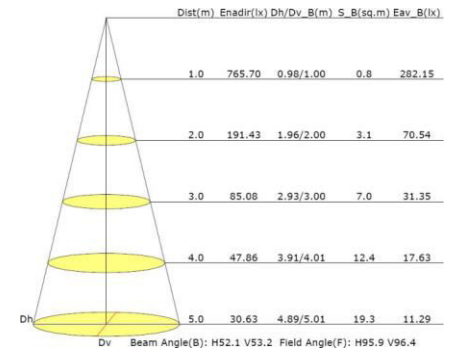
24°



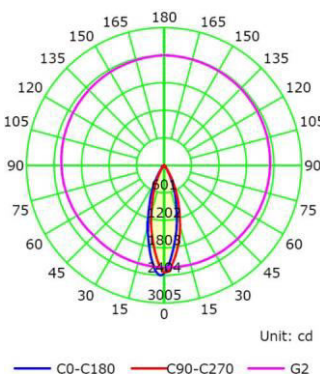
40°



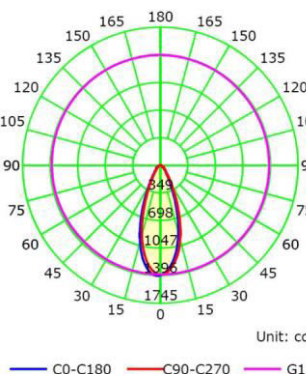
60°



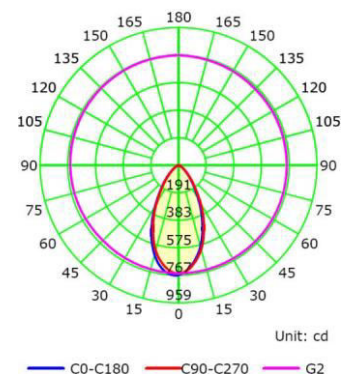
Luminous Intensity Distribution Curve



Luminous Intensity Distribution Curve



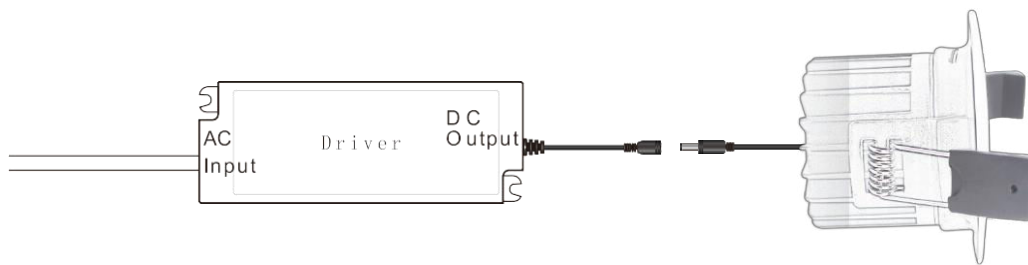
Luminous Intensity Distribution Curve



Proizvođač: MASS-LIGHT Ltd., Rm905,
 Workingberg Comm Bldg, 41-47 Marble Rd, Hong Kong,
 Uvoznik: Saša Trade d.o.o. Adresa: Pločnik BB, 74000, Doboj

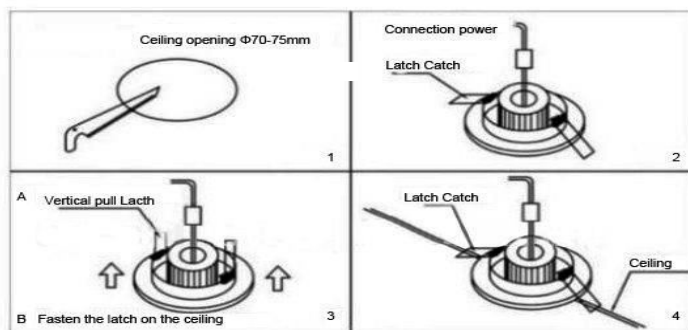
Tel: +387 53 241 – 469 fax: +387 53 227 – 033
 Zemlja porijekla: P.R.C. – Kina – China
 www.mass-light.com

7.Connection Road :

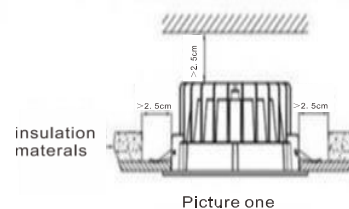


Attention : Before Installation please make sure the power is turn off .

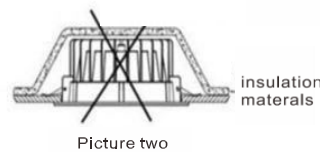
8.Installation :



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



Picture one



Picture two

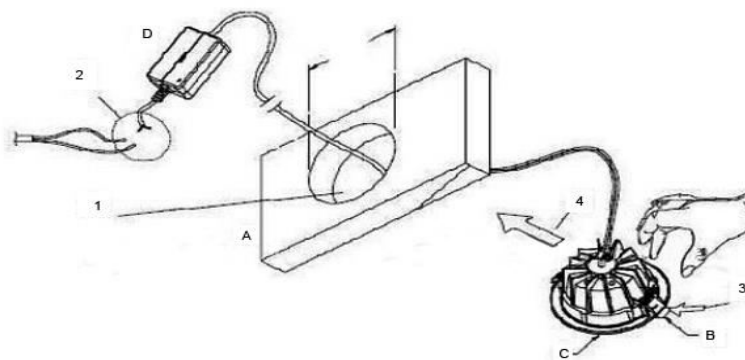


1. Please turn off the power when installing.

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

3. Working environment temperature: $-20\sim 45^{\circ}\text{C}$

4. Only for Indoor application.



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

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

MUST BE INSTALLED BY LICENSED ELECTRICIAN