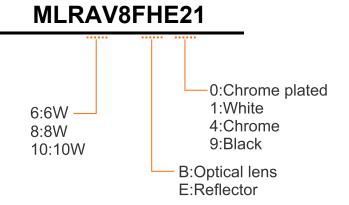


COB LED FIRE RATED DOWNLIGHT PRODUCT SPECIFICATION

Product Name: LED FIRE RATED DOWNLIGHT

Model NO.:



Customer Approval

Tested by	Checked by	Approved by	

M-Light Approval

Worked by	Checked by	Approved by	



M-Light Int. Photoelectric are specialists 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 technic -ians, We can supply more than one million energy-saving LED products to all over the world each year.



- 1.Features of M-Light LED FIRE RATED DOWNLIGHT:
- •Energy saving:Our LED downlight saves more than 90% power compared with the incand -escent light bulb meanwhile it can provide the perfect luminance.
- •Long lifespan:Our LED down light 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 01699 8107

SGS 90min

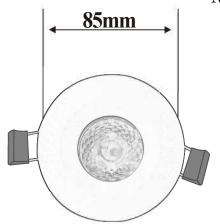
2.Appl ication:

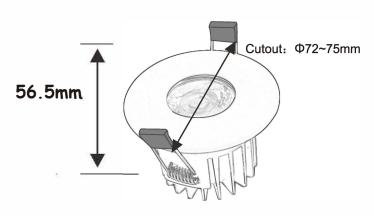
Applications:LED FIRE RATED DOWNLIGHT is widely applied to which traditional fluores -cent lamps would normally be used. It appears in anyplace that needs light, such as, banks, hotels, stores, commercial buildings, shopping malls, supermarket, underground garage & etc.



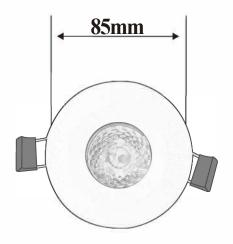
3. Physical Dimensions:

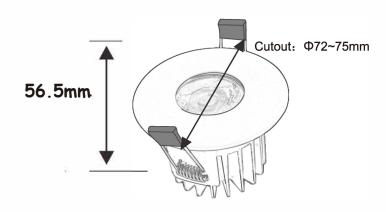
Model: MLRAV8FHE21





Model: MLRAV8FHE21

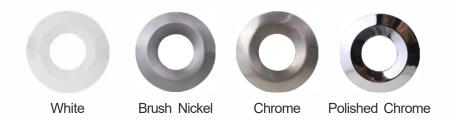




4. Typical Technical Parameters:

Model	Voltage	Lumens	Power	Cutout	Beam Angle	Size
MLRAV6F	AC110-265V	420-4901m	6W	CJ>72-75mm	24 [°] / 40 [°] / 60 [°]	85x56. 5mm
MLRAV8F	AC110-265V	580-6501m	W8	CJ>72-75mm	24 [°] / 40 [°] / 60 [°]	85x56. 5mm
MLRAV10F	AC110-265V	720-8001m	10W	CJ>72-75mm	24 [°] / 40 [°] / 60 [°]	85x56. 5mm

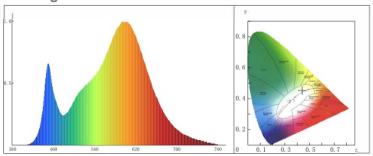
4.1 Face finishing available



Black

5. Color Parameters:

5.1 WarmWhite:BW EPISTAR 5%-100% Dimmable Range Available



Chroma Parameters

Chro. Coor.: x = 0.4192 y = 0.3910 u = 0.2447 v = 0.3423 dw = -0.0027 CCT: Tc = 3212K Dominant Wave.: 584, 0m Purity: 43, 2% R ratio: R = 21.5 Peak Wavelengh: 594, 1m Half Width: 123, 3m

Rending Index Ra = 80.8 RI = 78 R2 = 90 R8 = 95 R4 = 80 R5 = 82 R6 = 89 R7 = 79 R8 = 54 R9 = -2 RIO = 79 RIJ = 78 RIJ = 78 RI3 = 81 RI4 = 98 R15 = 71

Photo Parameters

Flux: 609. 591m Effi.: 73.81m/W RadiantPower: 1639. 7mW

Ele. Parameters

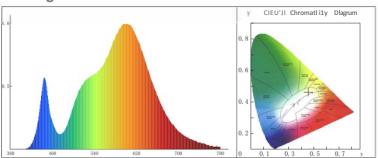
Val tage: U = 241. 2V Current: I = 0 086A Power: P = 8 3W Power Factor: PF = 0 932

Instrument state

 JntgeTime:
 IJ8. 546ms
 VP ea k
 1571 8
 VDark:
 1114

 Scan
 Range:
 380-78Dnm

5.2 WarmWhite:10W CITIZEN 5%-100% Dimmable Range Available



Chroma Parameters

Chro. Coor.: x = 0 4306 y = 0 4082 u = 0 2448 v = 0 3480 dw = 0 0025 CCT: Tc = 3142K Dominant Wave.: 582. 3m Purity: 51. 8% R ratio: R = 21. 7 Peak Wavelengh: 598. 5m Half Width: 138. 7m

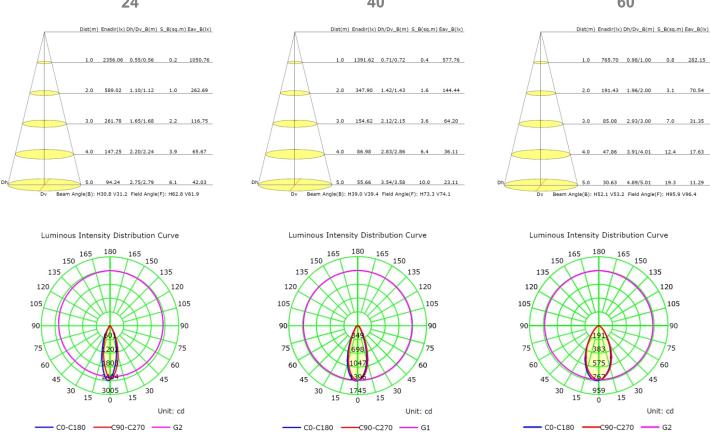
Photo Parameters

Flux: 732. 591m Effi.: 68.0lm/W RadiantPower: 1932. 3nW

Ele. Parameters

Voltage: U = 241.IV Current: J = 0 045A Power: P = 10. 8V Power Factor: PF = 0 978

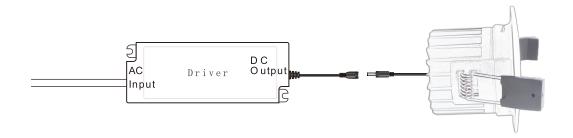
International 6. Illuminance: **8W** 40° 24° 60° st(m) Enadir(lx) Dh/Dv B(m) S B(sq.m) Eav B(lx) Dist(m) Enadir(lx) Dh/Dv_B(m) S_B(sq.m) Eav_B(lx) Dist(m) Enadir(lx) Dh/Dv_B(m) S_B(sq.m) Eav_B(lx) 1161.75 0.67/0.66 0.3 494.43 1955.16 0.53/0.54 0.2 880.61 178.82 1.94/1.98 3.0 66.58 488.79 1.06/1.07 0.9 220.15 290.44 1.34/1.32 1.4 123.61 217.24 1.59/1.61 2.0 97.85 129.08 2.02/1.98 79.48 2.91/2.97 6.8 122.20 2.12/2.14 44.71 3.88/3.96 78.21 2.65/2.68 46.47 3.36/3.31 8.7 19.78 28.61 4.85/4.95 18.9 10.65 Beam Angle(B): H29.6 V30.0 Field Angle(F): H58.1 V60.5 Beam Angle(B): H37.2 V36.6 Field Angle(F): H70.3 V70.4 Beam Angle(B): H51.8 V52.7 Field Angle(F): H95.7 V96.6 Luminous Intensity Distribution Curve Luminous Intensity Distribution Curve Luminous Intensity Distribution Curve 180 150 150 150 150 150 135 135 135 135 135 135 120 120 120 120 105 105 105 105 105 Unit: cd - C0-C180 ----C90-C270 --C90-C270 -- C0-C180 -**-** G1 - C0-C180 --C90-C270 -**10W** 24° 40° 60° Dist(m) Enadir(lx) Dh/Dv_B(m) S_B(sq.m) Eav_B(lx) Dist(m) Enadir(lx) Dh/Dv_B(m) S_B(sq.m) Eav_B(lx)



Zhongshan M-Light Photoelectric Co Ltd No.16, North Kanglong Street, Ximao Village, Hengleng Town, Zhongshan, Zhongshan

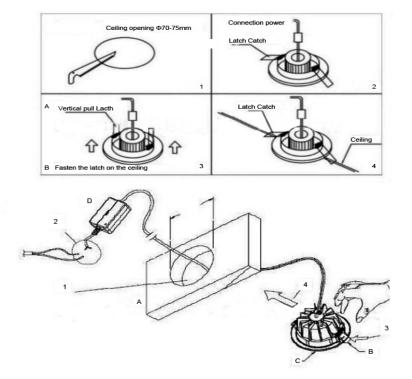


7. Connection Road:

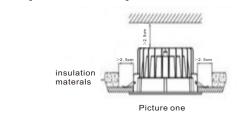


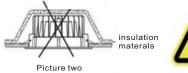
Attention: Before Installation please make sure the power is turn off.

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 environmenttem perature:-20~45°C
- 4. Only for indoor application.

- A: Wall B. Spring
- Step 1: Make a hole
- Step 2: Connect the powerwire
- Step 3: Push Spring
- C.LED Downlight

D. Driver

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
MLRAV6F	130*110*129mm	56*41*29cm	30/pcs/Carton
MLRAV8F	130*110*129mm	56*41*29cm	30/pcs/Carton
MLRAV10F	130*110*129mm	56*41*29cm	30/pcs/Carton

