



COB LED DOWNLIGHT

PRODUCT SPECIFICATION

Product Name: ONYX LED ANTI-GLARE DOWNLIGHT

Model NO: ML40DLF81-ZP





1.Features of ONYX COB LED DOWNLIGHT:

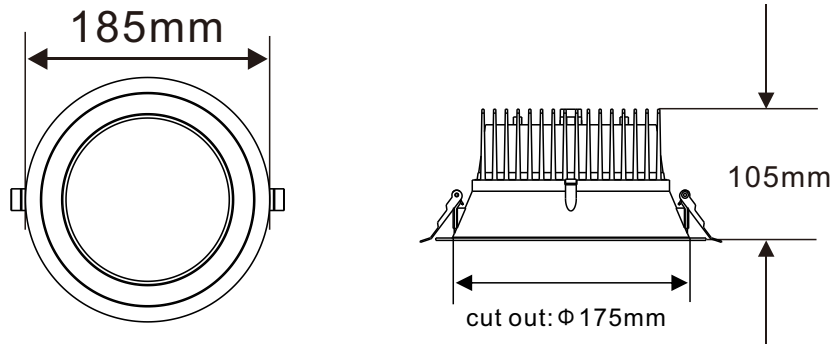
- **High temperature resistant,Good flame retardant,insulation material, Environmental protection,economy lights.**
- **Aluminum Heat Sink. Better Heat dissipation.**
- **Aluminum reflector - improve the heat dissipation,light facula evenly.**
- **Big terminal,easy connect;high quality TUV,SAA ,Approved.**

2.Application:

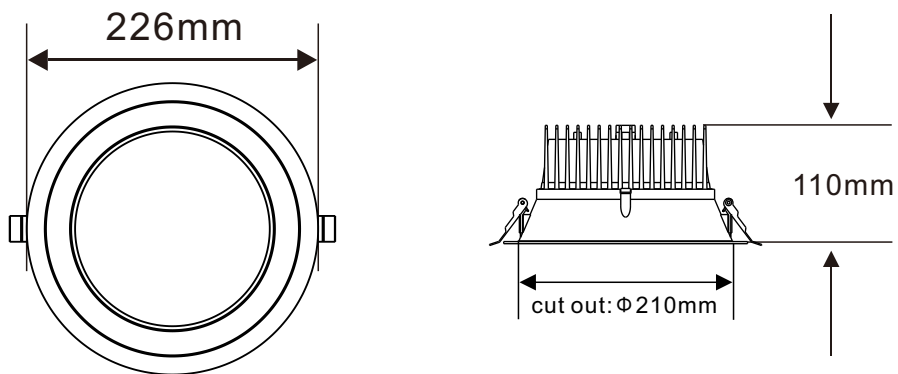
Applications:Commercial Lighting Series COB LED DOWNLIGHT is widely applied to which traditional fluorescent lamps would normally be used.It appears in anyplace that needs light,such as factories,banks,hotels,stores,commercial buildings,shopping malls, supermarket,underground garage&etc.

3. Physical Dimensions:

MODEL:ML20DLF61-ZP
ML30DLF61-ZP



MODEL:ML40DLF81-ZP

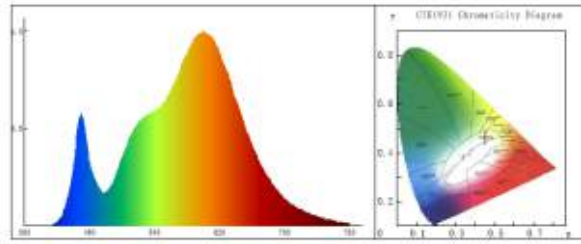


4. Typical Technical Parameters:

Model	Voltage	Lumens	Power	Cutout	Beam Angle	CRI	Size	Qty/ctn	PF
ML20DLF61	AC110-265V	1600-1900lm	20W	Φ 175mm	60°	>80	Φ 185*105mm	12	0.95
ML30DLF61	AC110-265V	2700-3100lm	30W	Φ 175mm	60°	>80	Φ 185*105mm	12	0.95
ML30DLF81	AC110-265V	3000-3200lm	30W	Φ 210mm	60°	>80	Φ 226x110mm	8	0.95
ML40DLF81	AC110-265V	3600-4100lm	40W	Φ 210mm	60°	>80	Φ 226x110mm	8	0.95

5.Color Parameters:

5.1 Warm White:20W(6inch)



Chroma Parameters
 Chro. Coord.: $x = 0.4273$ $y = 0.4061$ $u = 0.2435$ $v = 0.3472$ $duv = 0.0023$
 CCT: $T_c = 3185K$ Dominant Wave.: $592.3nm$ Purity: 50.2%
 R ratio: $R = 21.6$ Peak Wavelength: $598.3nm$ Half Width: $137.0nm$

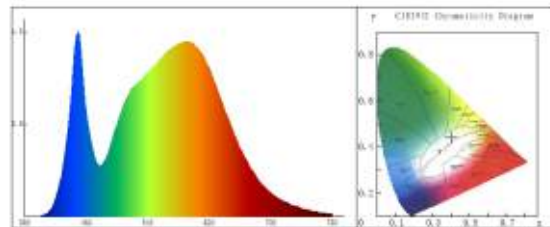
Reading Index $Ra = 82.3$
 $R1 = 80$ $R2 = 89$ $R3 = 97$ $R4 = 82$ $R5 = 80$
 $R6 = 87$ $R7 = 84$ $R8 = 59$ $R9 = 1$ $R10 = 76$
 $R11 = 82$ $R12 = 68$ $R13 = 83$ $R14 = 99$ $R15 = 72$

Photo Parameters
 Flux: $1613.00lm$ Effl.: $82.2lm/W$ RadiantPower: $4482.6mW$

Ele. Parameters
 Voltage: $U = 220.3V$ Current: $I = 0.094A$
 Power: $P = 19.6W$ Power Factor: $PF = 0.943$

Instrument state
 IntegTime: $42.703ms$ VPeak: 14574 VDark: 1420
 Scan Range: $380-780nm$

5.2 Warm White:30W(6inch)



Chroma Parameters
 Chro. Coord.: $x = 0.3738$ $y = 0.3799$ $u = 0.2195$ $v = 0.3347$ $duv = 0.0035$
 CCT: $T_c = 4205K$ Dominant Wave.: $449.7nm$ Purity: 26.2%
 R ratio: $R = 17.3$ Peak Wavelength: $449.7nm$ Half Width: $25.8nm$

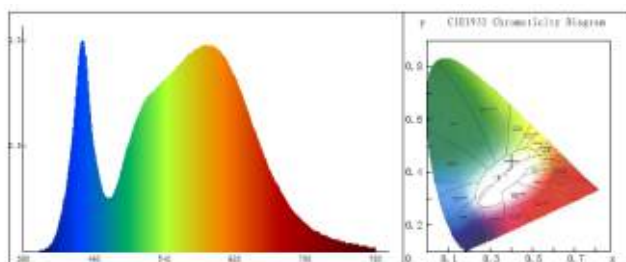
Reading Index $Ra = 81.5$
 $R1 = 79$ $R2 = 86$ $R3 = 93$ $R4 = 82$ $R5 = 80$
 $R6 = 82$ $R7 = 87$ $R8 = 64$ $R9 = 4$ $R10 = 68$
 $R11 = 80$ $R12 = 61$ $R13 = 80$ $R14 = 96$ $R15 = 73$

Photo Parameters
 Flux: $3241.00lm$ Effl.: $103.8lm/W$ RadiantPower: $9047.2mW$

Ele. Parameters
 Voltage: $U = 220.9V$ Current: $I = 0.146A$
 Power: $P = 31.2W$ Power Factor: $PF = 0.965$

Instrument state
 IntegTime: $29.775ms$ VPeak: 13878 VDark: 1225
 Scan Range: $380-780nm$

5.3 Natural White:40W(8inch)



Chroma Parameters
 Chro. Coord.: x = 0.3754 y = 0.3823 u = 0.2196 v = 0.3355 duv = 0.0041
 CCT: Tc = 4179K Dominant Wave.: 577.3nm Purity: 27.4%
 R ratio: R = 17.2 Peak Wavelength: 447.4nm Half Width: 25.4nm

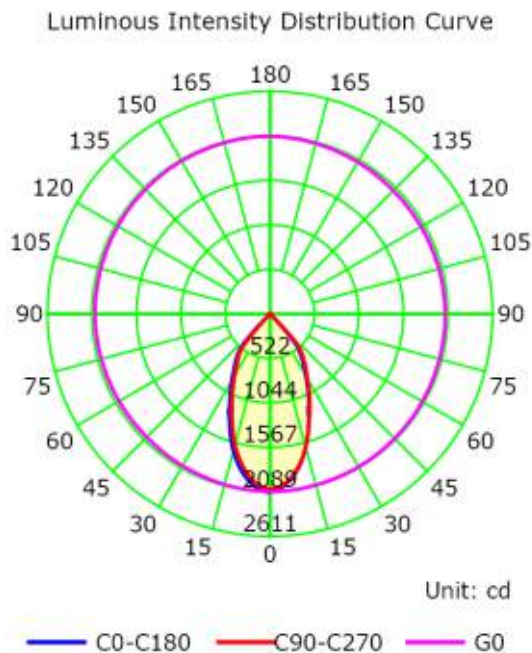
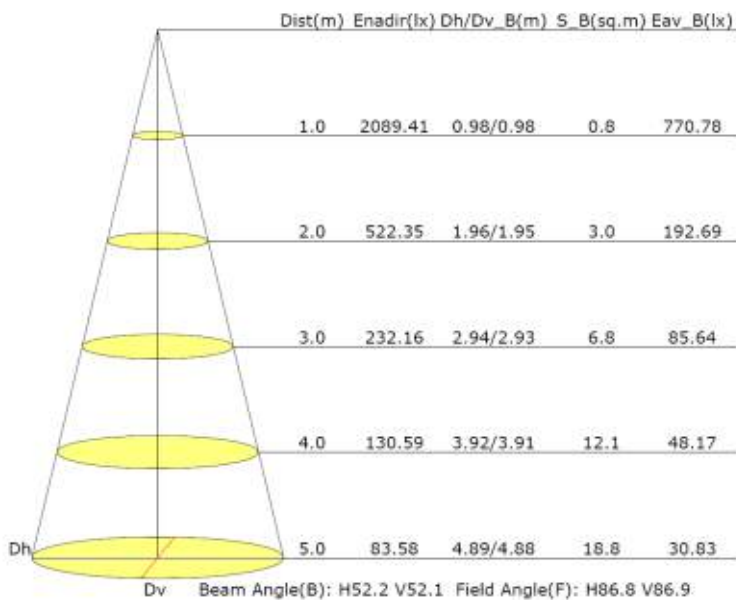
Rendering Index Ra = 80.8
 R1 = 78 R2 = 85 R3 = 92 R4 = 82 R5 = 79
 R6 = 81 R7 = 86 R8 = 64 R9 = 2 R10 = 66
 R11 = 81 R12 = 62 R13 = 79 R14 = 95 R15 = 72

Photo Parameters
 Flux: 4042.00lm Effi.: 102.4lm/W RadiantPower: 11449.8mW

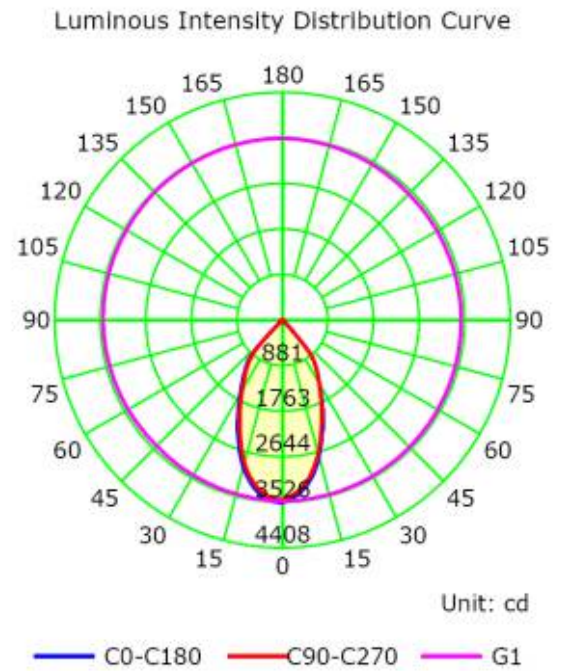
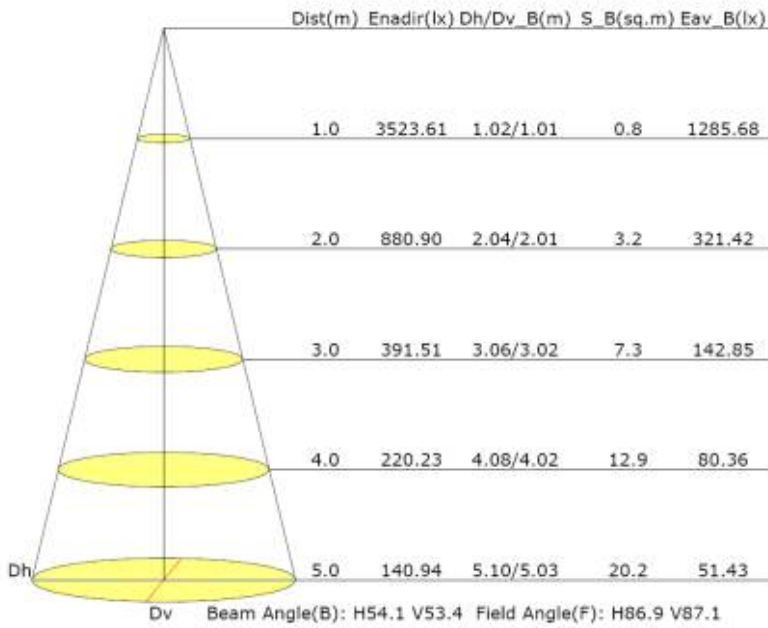
Ele. Parameters
 Voltage: U = 221.7V Current: I = 0.182A
 Power: P = 39.5W Power Factor: PF = 0.976

Instrument state
 IngeTime: 18.297ms VPeak: 15606 VDark: 1415
 Scan Range: 380-780nm

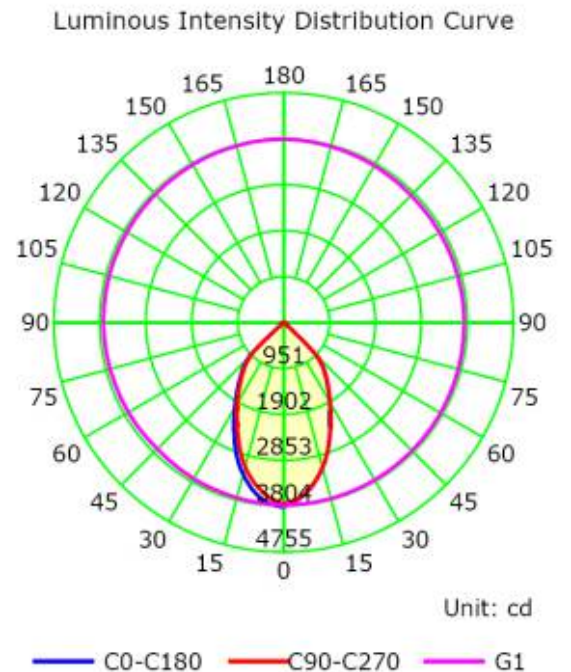
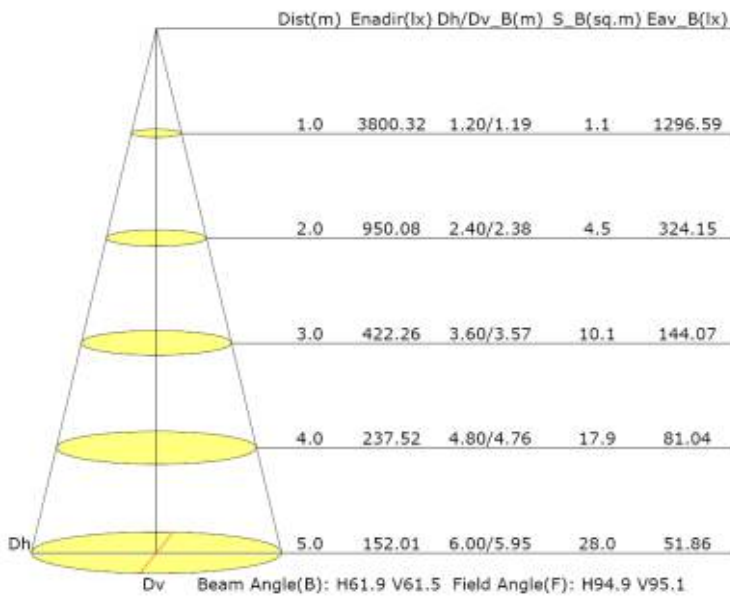
6. Illuminance: 6.1 6inch-20W



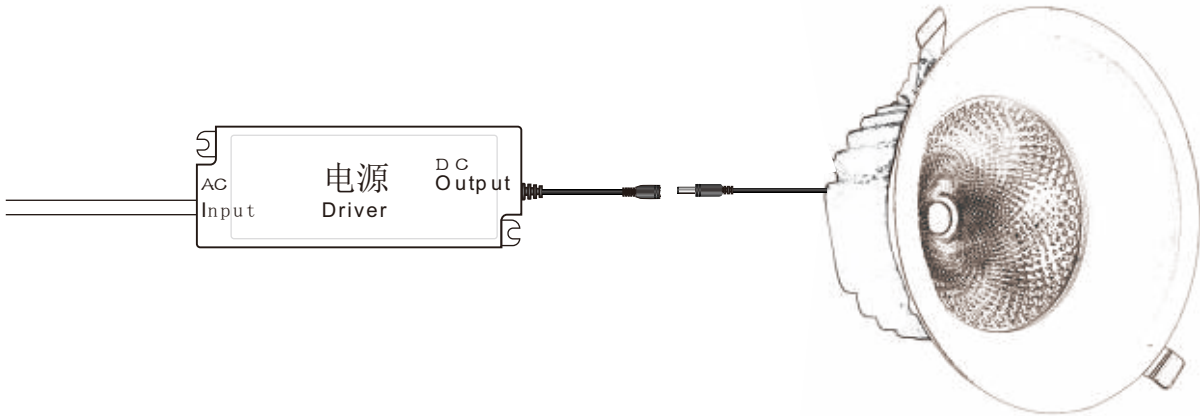
6.2 6inch-30W



6.3 8inch-40W

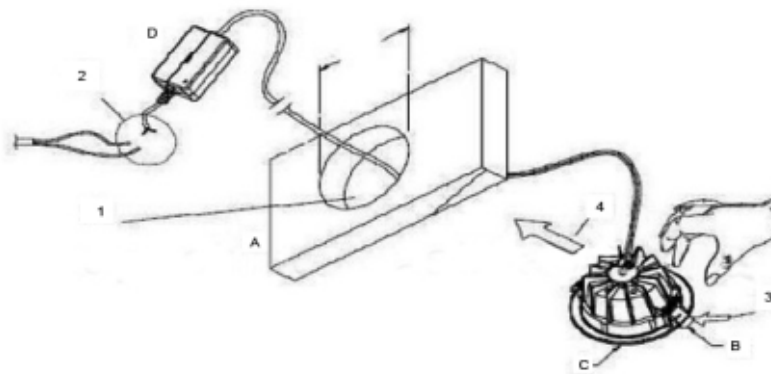
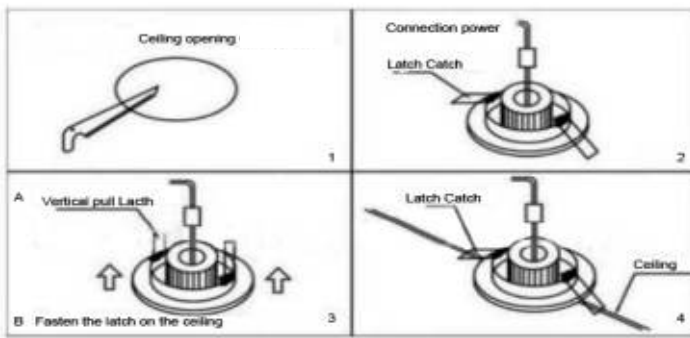


7.Connection Road :



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

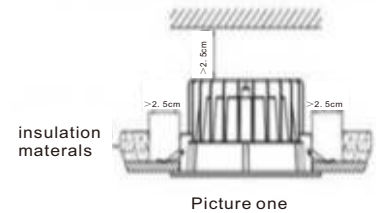
8.Installation :



- 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 environment temperature: -20~45°C

4. Only for indoor application.

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
ML20DLF61	220*188*110mm	59.2*45.8*24.2cm	12pcs/Carton
ML30DLF61	220*188*110mm	59.2*45.8*24.2cm	12pcs/Carton
ML30DLF81	265*265*120mm	55.2*54.8*26.2cm	8pcs/Carton
ML40DLF81	265*265*120mm	55.2*54.8*26.2cm	8pcs/Carton



12pcs



Size: 59.2*45.8*24.2cm



8pcs



Size: 55.2*54.8*26.2cm