

Thanks for choosing our products, in order to protect your consumption right and personal safety, please read this instruction carefully before uses and keep this as the future reference.

Attention:

- Before installing the luminaire, please check whether the rated voltage of the luminaire is consistent with the voltage of the wiring power supply to avoid damage to the luminaire due to voltage inconsistency.
- Touching these parts without disconnecting the power supply may cause an electric shock. So, installation must be done by professional electrician.
- Please ensure the power has been cut off before installation, in order to prevent the electric shock, make sure the power supply that can't be resumed by anybody before the job done.
- Keep the surface of the lamp housing and transparent parts clean to ensure good light transmission.
- Plastic materials are used in some parts of the spotlight. Applying organic solvents (such as benzene), or other chemicals for cleaning may cause deformation or discolouration. Clean the device gently, using a soft dry cloth.
- Each fixing screw must be tightened when installing.
- The cable entry line should be fixed and prevented from pulling the wire and damaging the lamp.
- Avoid collision with hard objects to avoid scratches.
- Do not spray or pour water on the unit, this may cause an electric shock.
- Do not install the unit in locations subject to high and/or low temperatures (this may damage the LED lamp).
- The maintenance should be done by the professional. The luminaire must be grounded reliably and non-professionals must not disassemble the luminaire.
- The front-end power supply must be cut off during installation. The power supply must be cut off when repairing or replacing parts.
- The defective ballast could not be treated as the normal rubbish and should be returned and make use of the normal parts.
- Regarding the repair of the equipment contact Technical Support.

Dongguan Fitlight Lighting Co.,Ltd.

Add: 10th floor, building C1, Songhu Zhigu building, No. 9, Yanhe South Road, Liaobu Town, Dongguan City, Guangdong Province, China.

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FEITL
 东莞市菲特莱照明有限公司
 DONGGUAN FITLIGHT LIGHTING CO.,LTD

OEM/ODM

Professional Lighting Product Manufacturer

1. 14+ Years of Industry Leadership
2. Full Customization (OEM/ODM)
3. Certified Excellence: Globally recognized certifications (CE, RoHS, SAA, etc.)
4. Energy-Efficient & Sustainable Solutions
5. Competitive Pricing & Fast Turnaround
6. Dedicated R&D & Continuous Innovation

<h1>14⁺</h1> <p>Production experience</p>	<h1>3000^{+m²}</h1> <p>Factory space</p>	<h1>50⁺</h1> <p>Patent certificate</p>
<h1>100⁺</h1> <p>Projects</p>	<h1>10000^{+pcs}</h1> <p>Daily output value</p>	<h1>100⁺</h1> <p>Service country</p>



Features and Benefits

- Light source: COB LED
- Long LED life: More than 50,000 hours
- Low heat, less than 60°C
- No UV or IR light radiation
- No mercury or other inorganic
- Homogeneous flood illumination
- Machined aluminum heat fins with excellent thermal efficiencies
- The LED down light is available in the following white color temperatures:
2700/3000/4000/5000/6000K
- 3 or 5 years limited warranty(3 years for Epistar LED chip model and 5 years for OSRAM LED chip version)
- Works with worldwide lighting systems
110VAC/220VAC



Typical Applications

- Spot lighting
- Retail Store lighting
- Commercial lighting
- Residential lighting
- General lighting
- Energy Saving Programs
- Sustainable Energy



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PRODUCT SPECIFICATIONS

LAMP TYPE	IP65 Waterproof Surface-mounted Round LED Down Light series	
LIGHT SOURCE	Cree/OSRAM or Epistar COB LED (Other driver brands can also choose from)	
Driver	IP65 BECKY/DONE LED Driver	
Input voltage (volts)	AC 120-277V	
Power	10/15/20/25/30/35/40W	
Driver(PF)	10W-15W: 0.5	20W-40W:0.95
BEAM ANGLE	30° / 60° ±3°	
RENDERING INDEX (Ra)	>80Ra or 90Ra	
Material Quality	Aluminum	
Color Temperature	Warm White(2700K/3000K) / Natural White(4000K) / Cool white(5000K/6000K)	
Efficiency	85-90lm/w±10% for non-dimmable model; 80-85lm/w±10% for dimmable model; 100/110/120lm/w Can Be Customized	
OPTICS	Optical lens	
HEATSINK	Machined pure aluminum with anodize finish	
BASE TYPE	Internal Driver	
Installation	Recessed/Embedded	
DIMMABILITY	Dimmable(0-10V /Triac /Dali) / or Non-dimmable Model	
Key Feature 1	Aluminum Cob Anti-glare Down Lights	
Key Feature 2	Die-cast Aluminum Round Waterproof LED Downlight	
Certification	CE/EMC/LVD/ROHS/SAA(Whole lamp);Driver(CE/EMC/LVD/ROHS/CB/SAA/UL)	

ENVIRONMENTAL SPECIFICATIONS

TEMPERATURE RANGE	Ambient: -20°C to 40°C; Surface of Lamp: 60°C to 70°C
HUMIDITY RANGE	0 to 95% non-condensing humidity

PRODUCT CODE: FT-MDL06-X₁/X₂

X1: Power

X2: LED chip(OSRAM/Cree or Epistar COB LED)



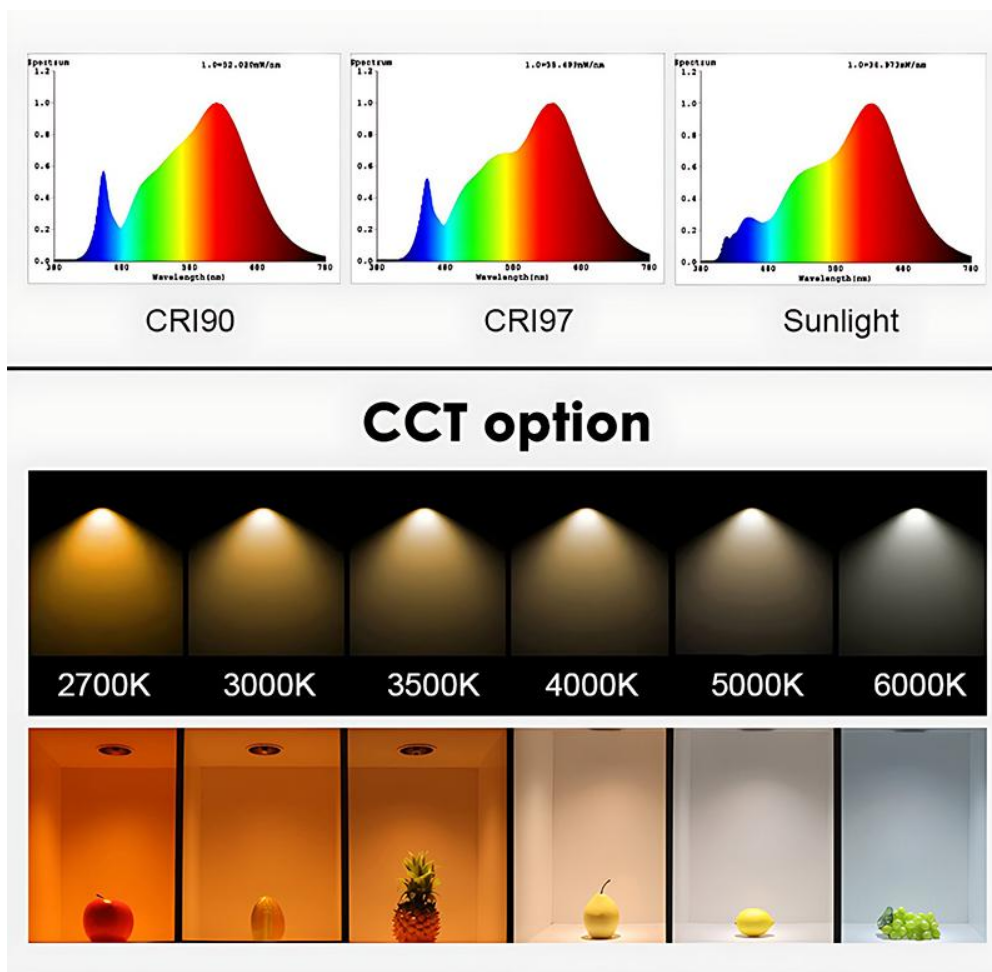
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Model	Power	Installation Method	Dimension (MM)	Beam Angle
MDL06	10W	Surface Mounted	D71*H100	30° / 60°
MDL06	15W	Surface Mounted	D90*H120	30° / 60°
MDL06	20W/25W	Surface Mounted	D110*H145	30° / 60°
MDL06	30W/35W	Surface Mounted	D140*H170	30° / 60°
MDL06	40W	Surface Mounted	D170*H190	30° / 60°



Material Brand Cooperation



COB brand

OSRAM CREE Bridgelux

Other brands are also available

Power brand

Lifud Tridonic NOVBO Boke

Five-year warranty, no flicker PF > 0.9

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Available in different colors

High appearance from the inside out to meet different decoration styles

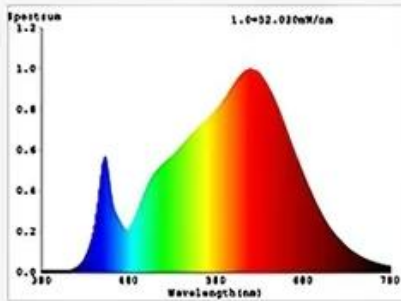
Simple sense of hierarchy at home with high appearance value
Exquisite life,exquisite home



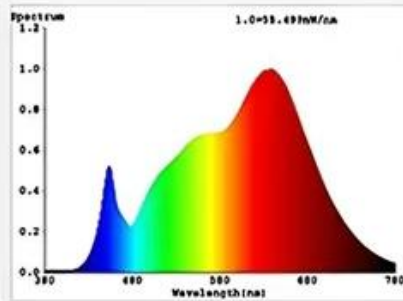
White+ Silver

White+ Black

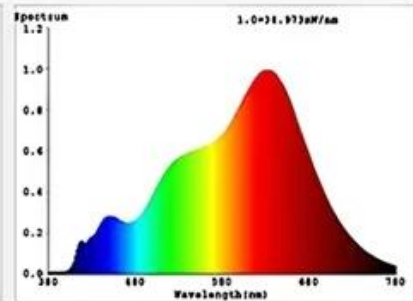
All Black



CRI90

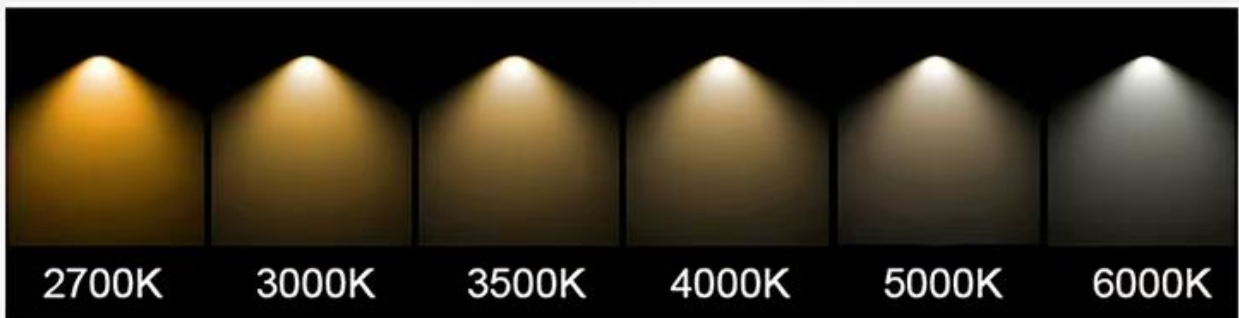


CRI97



Sunlight

CCT option



2700K

3000K

3500K

4000K

5000K

6000K

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Product Details

The light cup has deep design and does not stab the eyes

The light cup is available in white and black preferred material, high temperature resistance. The light cup is very deep, the light is uniform and does not stab the eyes. It can effectively absorb light and achieve anti glare effect.

Brand chip optional:

CREE / EPSTAR / CITELED / LUMINUS / OSRAM (Mainly COB series) CRI > 90, High CRI (CRI 98) and high luminous efficiency can be customized CCT: 2700K/3000K/4000K/ 5000K/6500K

Beam Angle: 30° / 36°



High Efficiency Radiator

High quality aluminum radiator, dust-proof and rust free. It has good corrosion resistance, no color loss and very good heat dissipation effect.

Shell color:

White and Black Built-in Driver
AC 200-240V 50/60HZ Flicker Free





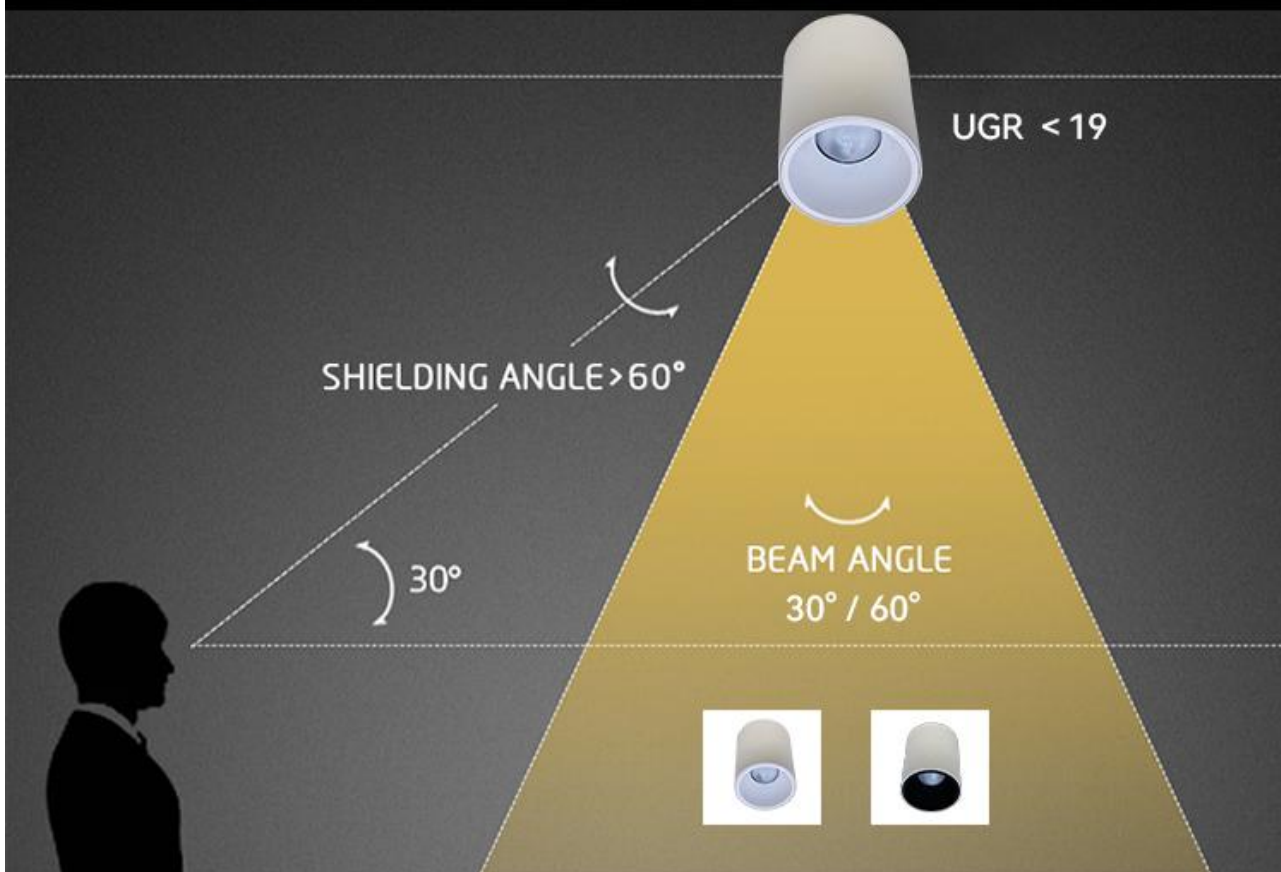
Flicker Free

SVM=0.000

Flicker index: 0.002

Flashing frequency: 0.0Hz

Percentage (depth of fluctuation): 0.0%



PRODUCT SIZE and CUT OUT

Product Size



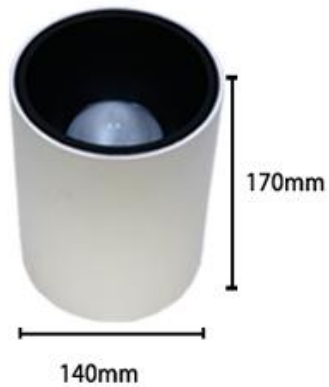
7w



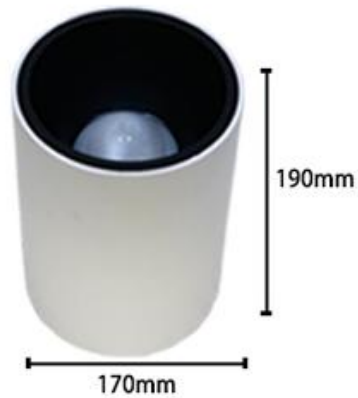
15w



20w/25w



30w/35w



40w

REAL SHOT DISPLAY





01 Deep cup optical lens anti glare control



02 Aluminum radiator



03 Pure aluminum lamp body



04 IP67 waterproof driver power supply

LED Down light Model at Ta=25°

Parameter	Symbol	Min	Type	Max	Unit
Input Voltage (AC)	V _{AC}	165	230	265	V
Estimated Life ^[*]		—	50,000	—	hours
Optimized Body Temperature	T	—	55	60	°C

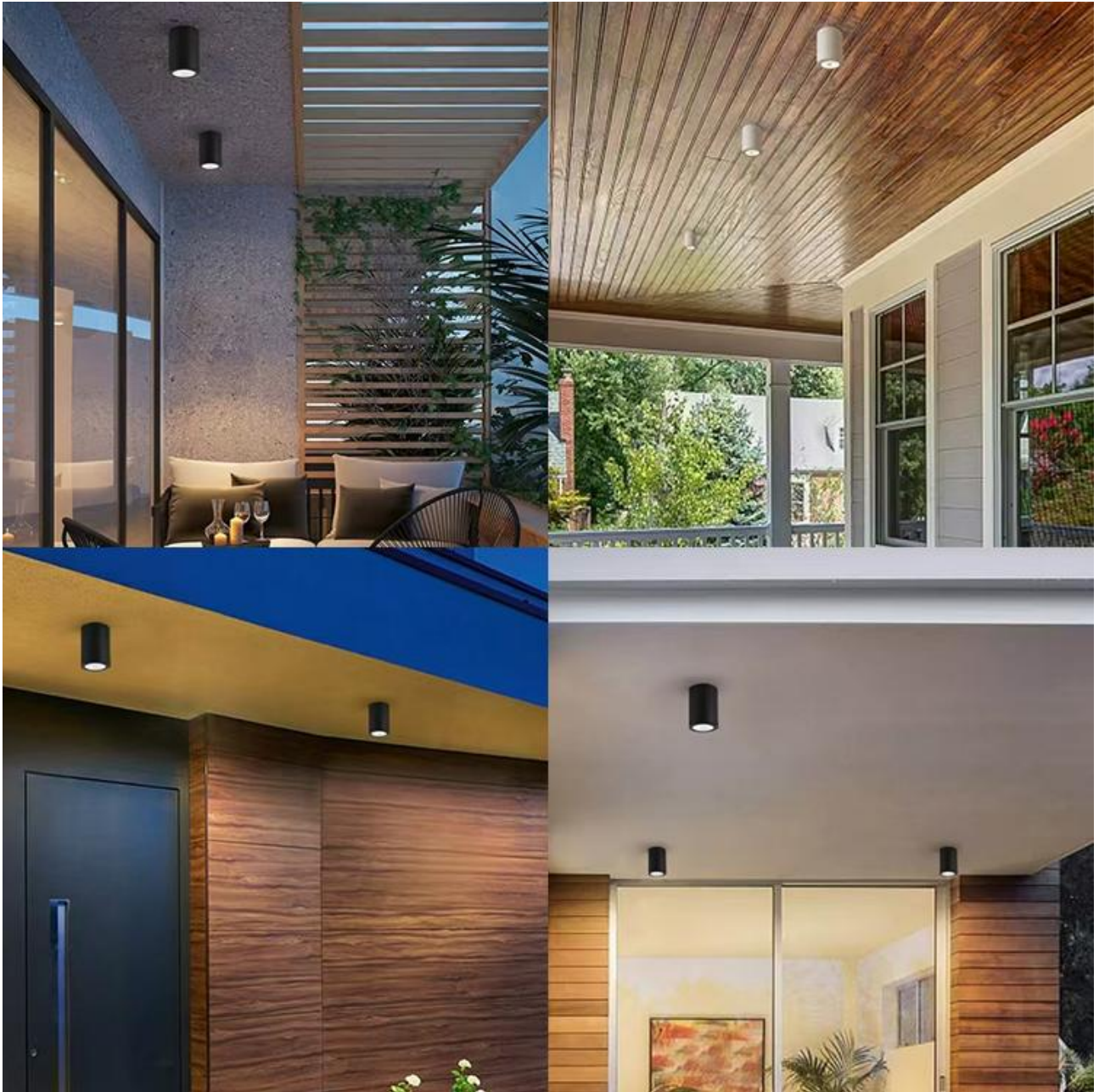
Note[*] – Manufacturer projects Down Light made with COB LED to maintain an average of 70% lumens maintenance after 30,000 hours. This estimation is made based on data from LED manufacturer

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INSTALL APPLICATION



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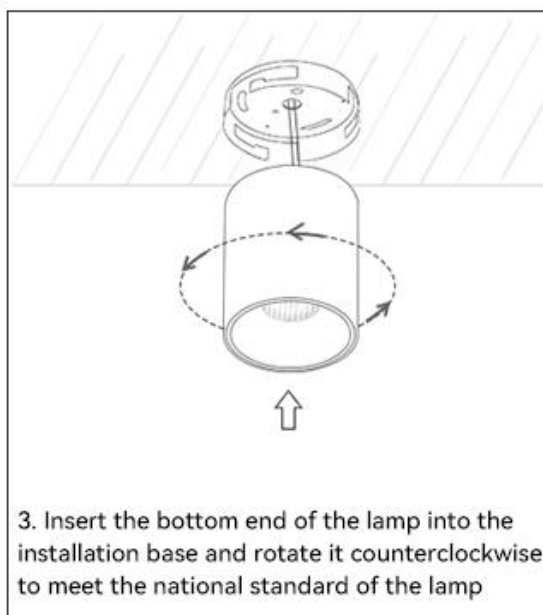
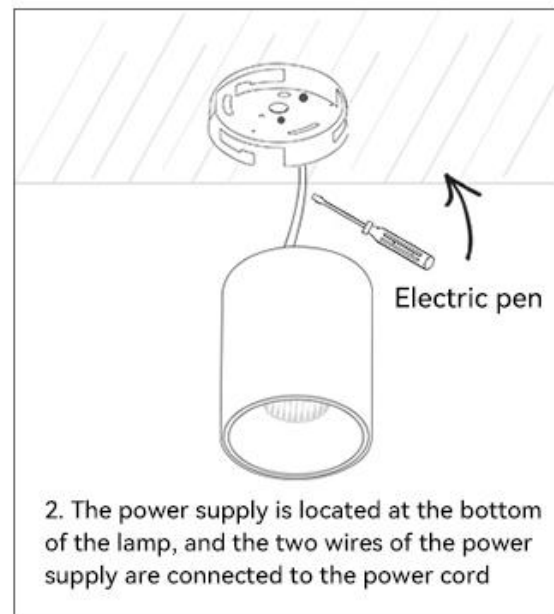
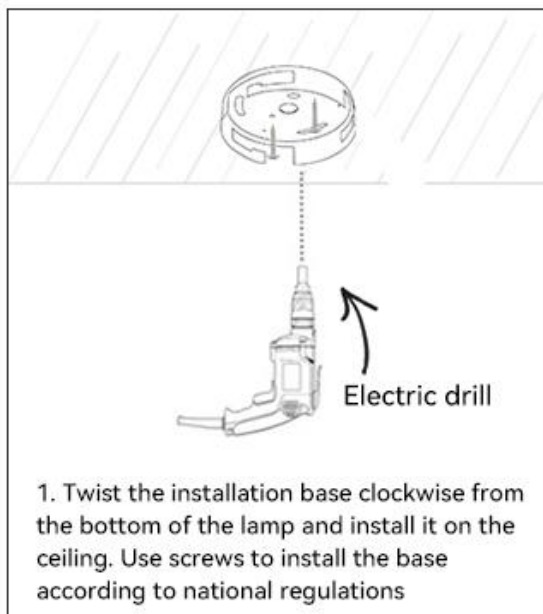
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Installation of lamps for surface mounted downlight:

Note:

Surface-mounted installation, the lamp head shall be rotated for 3 turns to the left first, and then tightened clockwise and fixed to the right. If it is tightened directly clockwise, the power line will be pulled off, resulting in poor contact of the lamp or the lamp is not bright.

INSTALLATION DIAGRAM



The front-end power supply must be cut off during installation. The power supply must be cut off when repairing or replacing parts.

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PACKAGE INFORMATION



CAUTION:

- WARNING-Risk of fire or electric shock. LED Down light installation requires knowledge of luminaires electrical systems.
- If not qualified, do not attempt installation. Contact a qualified electrician.
- WARNING-To prevent wiring damage or abrasion, do not expose wiring to edges of sheet ; metal or other sharp objects.

HYGIENE & SAFETY

- Provide the illumination required in the work area for moving parts.
- We advise to use the soft cloth to clean up and do not attempt to use any chemical agent.
- In order to avoid any damages from the surface.
- Minimize the accumulation of dirt on the lamps and spotlights;
- For your safety, please cut off the power supply before changing or cleaning the lamp source.
- Facilitate maintenance.