

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.

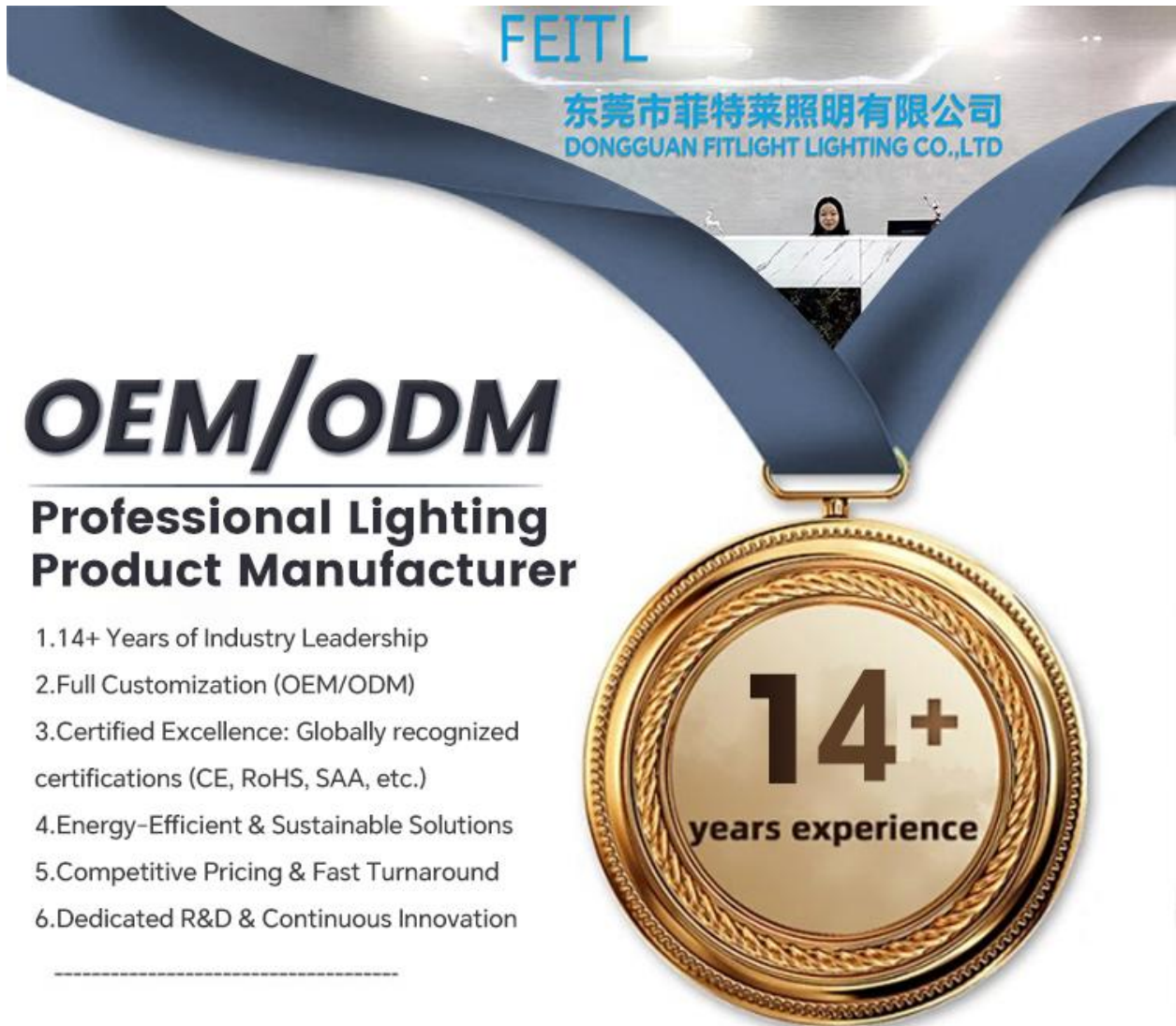
Attention:

- 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.

Email : liu@fitlight-tech.com URL: www.fitlight-tech.com / <https://fitlight.en.alibaba.com>



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

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



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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: 2700/3000/3500/4000/5000/6000K
- 3-5 years limited warranty
- Works with worldwide lighting systems AC100/240V



Typical Applications

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



White



Black



Gun Black



Bright Silver

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PRODUCT SPECIFICATIONS

LAMP TYPE	IP65 Frameless Waterproof Square Single-head Down light series
LIGHT SOURCE	Cree/OSRAM or Bridgelux COB LED (Other driver brands can also choose from)
Driver	IP65 LED Driver
Input voltage (volts)	AC 100-277V
Power	7/10/12/15/20/25W
BEAM ANGLE	15° /24° /36° /55° ±3°
RENDERING INDEX (Ra)	>80Ra or 90Ra
Material Quality	Aluminum
Color Temperature	Warm White(2700K/3000K/3500K) / Natural White(4000K) / Cool white(5000K/6000K)
Efficiency	85-90lm/w±10% for non-dimmable model; 80-85lm/w±10% for dimmable model;
OPTICS	Optical lens
HEATSINK	Machined pure aluminum with anodize finish
Installation	Recessed/Embedded
BASE TYPE	External Driver
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-HGS21-X₁/X₂

X1: Power

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

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CRI90



CRI97



Sunlight

CCT option


2700K


3000K


3500K


4000K


5000K


6000K













Material Brand Cooperation

























COB brand


OSRAM


CREE


Bridgelux

Other brands are also available

Power brand


Lifud


Tridonic


NOVBO

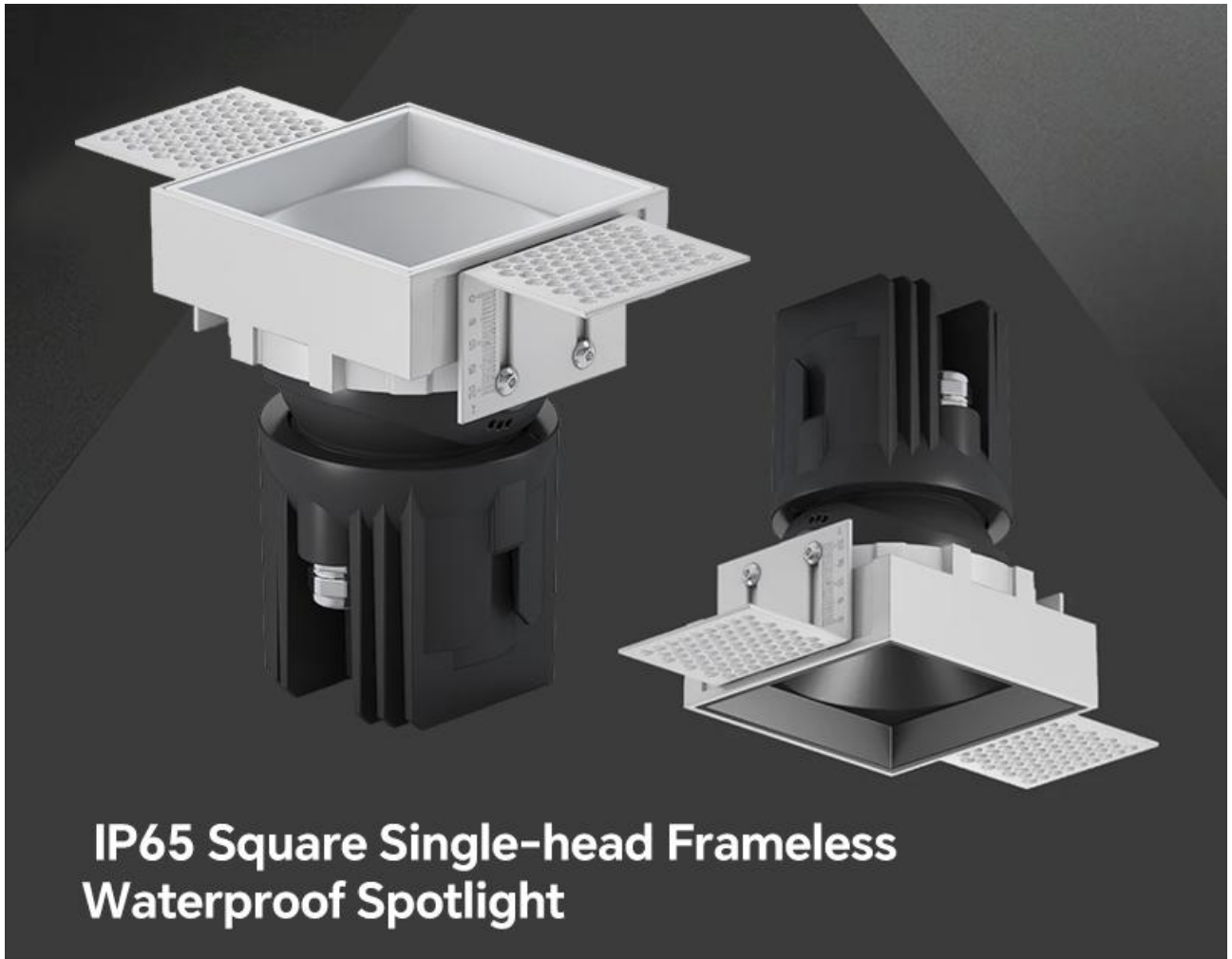

Boke

Five-year warranty, no flicker PF > 0.9

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MODEL	POWER	CUTOUT	SIZE	CRI	COLOR TEMPERATURE	WORKING VOLTAGE
FT-HGS21-7W	7W	φ 58*55	124*55*H100mm	≥90	2700K	AC 200-240V or AC 100-240V
FT-HGS21-10w	10W	φ 78*75	145*75*H106mm		3000K	
FT-HGS21-12W	12W	φ 78*75	145*75*H106mm		3500K	
FT-HGS21-15W	15W	φ 78*75	145*75*H106mm		4000K	
FT-HGS21-20W	20W	φ 98*95	165*95*H126mm		5000K	
FT-HGS21-25W	25W	φ 98*95	165*95*H126mm		6000K	



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PRODUCT PHOTOGRAPH



Bright Silver



Rose Gold



Gun Black



Misty Silver



Matte White



Matte Black

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Product size



Cut out: L58*W55mm

7W



Cut out: L78*W75mm

10W/12W/15W



Cut out: L98*W95mm

20W/25W

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DIMMABLE

Single color dimmable



TRIAC



0-10V

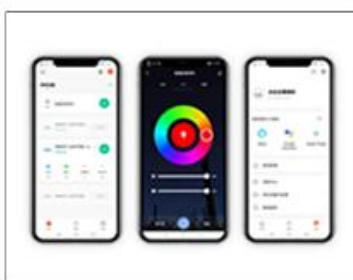


DALI

2700-6000K tunable



2.4G



TUYA
(Bluetooth WiFi ZIGBEE)



DALI DT8

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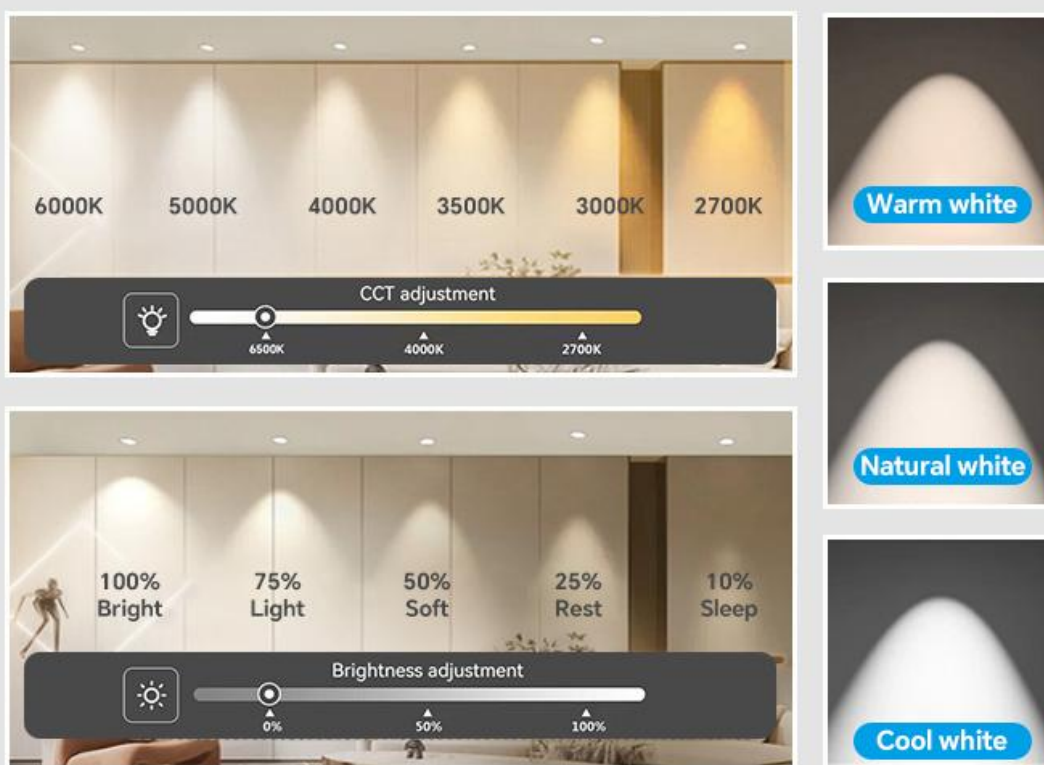
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Intelligent Dimming And CCT Adjustment

Supports multiple intelligent connection methods

DALI、0-10V、TUYA/ZIGBEE、TRIAC



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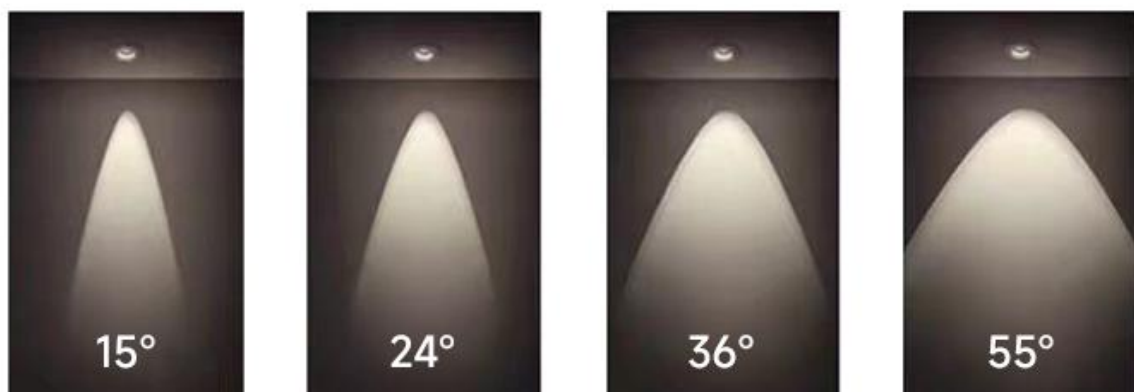
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CREE / EPISTAR / OSRAM COB with high lumen output and high CRI



Beam angle diagram



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EXPLODED VIEW



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HGS21 Round Framed

Cut out	Power
55mm	7W
75mm	10W/12W/15W
95mm	20W/25W



HGS21 Round Frameless

Cut out	Power
55mm	7W
75mm	10W/12W/15W
95mm	20W/25W



HGS21 Square Single Head Framed

Cut out	Power
58*55mm	7W
78*75mm	10W/12W/15W
98*95mm	20W/25W



HGS21 Square Single Head Frameless

Cut out	Power
58*55mm	7W
78*75mm	10W/12W/15W
98*95mm	20W/25W



HGS21 Square Double Head Framed

Cut out	Power
105*58mm	2*7W
145*78mm	2*10W-2*15W
185*98mm	2*20W/2*25W



HGS21 Square Double Head Frameless

Cut out	Power
105*55mm	2*7W
145*75mm	2*10W-2*15W
185*95mm	2*20W/2*25W



Face ring



Round face ring



Round trimless face ring



Square single head face ring



Square single head trimless face ring



Square double head face ring



Square double head trimless face ring

Reflective cup



Rose-gold



Chrome



Chrome-black



Fog-silver



Matt-white



Matt-black



Oval Matte white



Round Matte white



Polarizing Cup



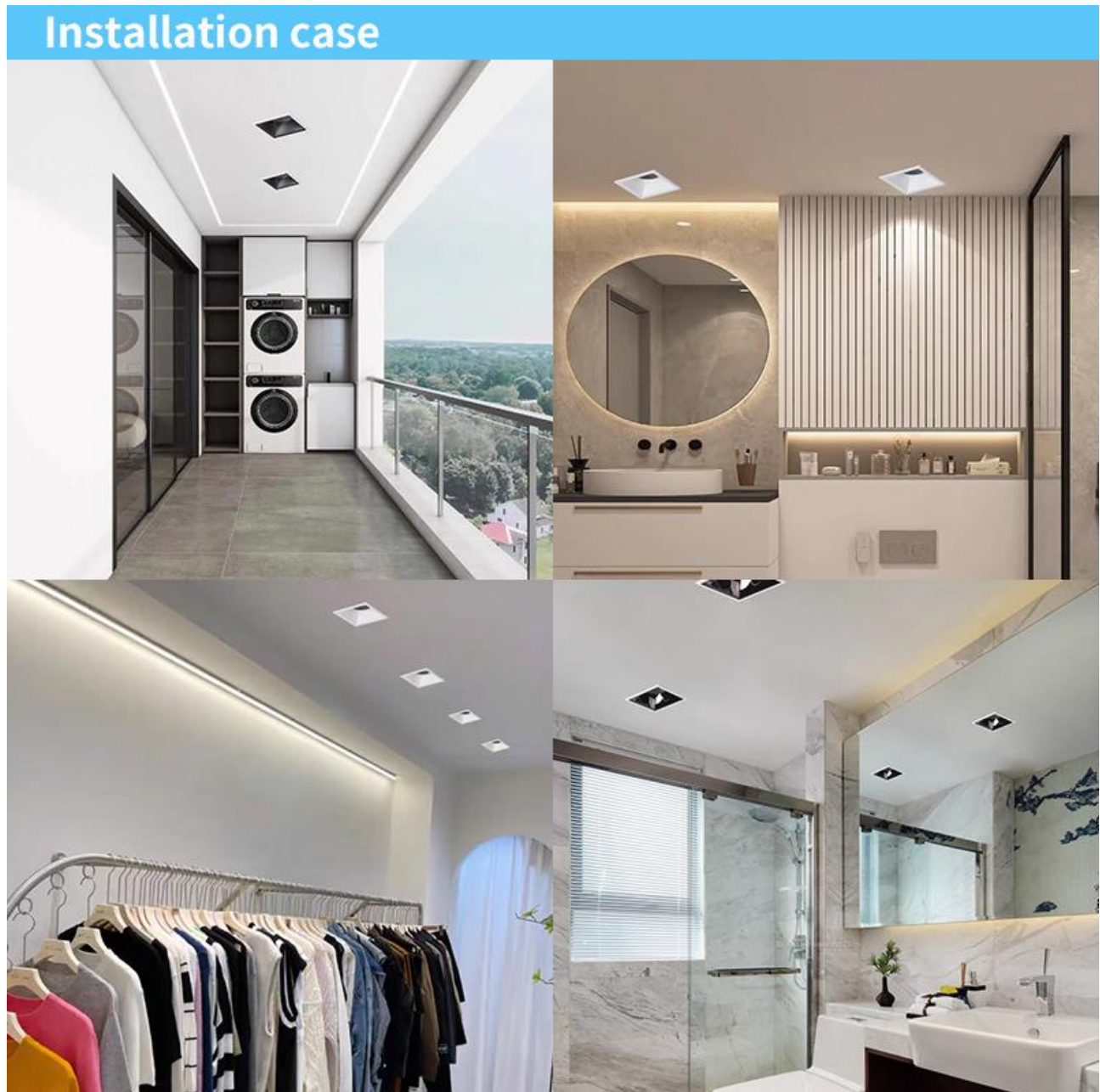
Honeycomb

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INSTALL APPLICATION



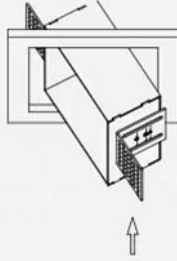
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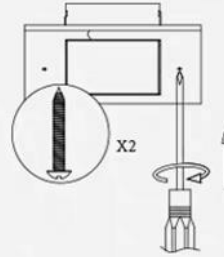
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Installation Instructions

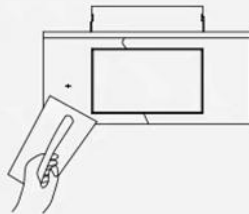
- 1 Cut a hole and place the embedded box: 58*55mm/78*75mm/98*95mm



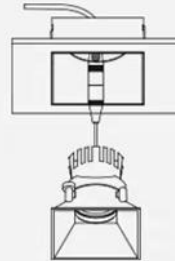
- 2 Extend 1-3mm beyond the gypsum board, then fix the embedded box



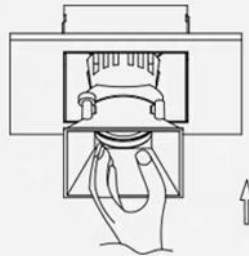
- 3 Fill the gaps with joint tape, then apply putty powder



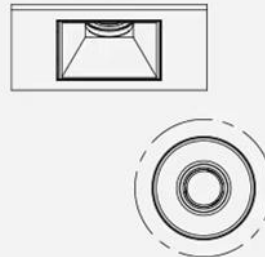
- 4 Connect the power supply and the safety cable



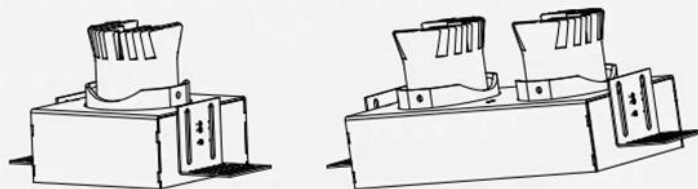
- 5 Plug in the male and female connectors



- 6 Adjust the angle.



- 7 Installation is complete.



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Caution:

- WARNING-Risk of fire or electric shock. LED Down light installation requires knowledge of luminaire 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.

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