

**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.**

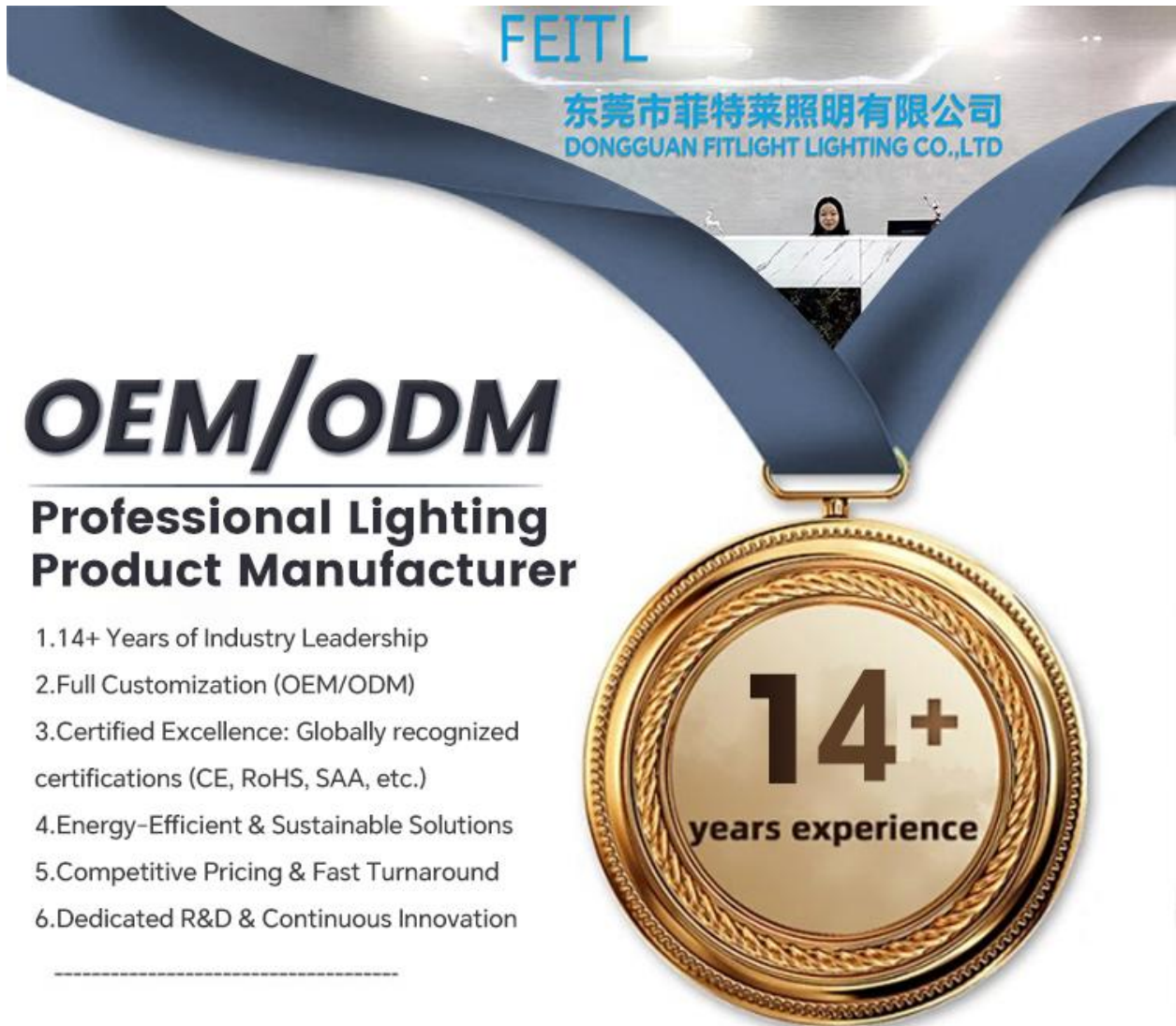
## **Attention:**

- 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.

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## 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

**14**<sup>+years</sup>  
Production experience

**3000**<sup>+m<sup>2</sup></sup>  
Factory space

**50**<sup>+</sup>  
Patent certificate

**100**<sup>+</sup>  
Projects

**10000**<sup>+pcs</sup>  
Daily output value

**100**<sup>+</sup>  
Service country



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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

<b>LAMP TYPE</b>	IP65 Waterproof Square Single-head Down light series
<b>LIGHT SOURCE</b>	Cree/OSRAM or Bridgelux COB LED (Other driver brands can also choose from)
<b>Driver</b>	IP65 LED Driver
<b>Input voltage (volts)</b>	AC 100-277V
<b>Power</b>	7/10/12/15/20/25W
<b>BEAM ANGLE</b>	15° /24° /36° /55° ±3°
<b>RENDERING INDEX (Ra)</b>	>80Ra or 90Ra
<b>Material Quality</b>	Aluminum
<b>Color Temperature</b>	Warm White(2700K/3000K/3500K) / Natural White(4000K) / Cool white(5000K/6000K)
<b>Efficiency</b>	85-90lm/w±10% for non-dimmable model; 80-85lm/w±10% for dimmable model;
<b>OPTICS</b>	Optical lens
<b>HEATSINK</b>	Machined pure aluminum with anodize finish
<b>Installation</b>	Recessed/Embedded
<b>BASE TYPE</b>	External Driver
<b>Key Feature 1</b>	Aluminum Cob Anti-glare Down Lights
<b>Key Feature 2</b>	Die-cast Aluminum Round Waterproof LED Downlight
<b>Certification</b>	CE/EMC/LVD/ROHS/SAA(Whole lamp);Driver(CE/EMC/LVD/ROHS/CB/SAA/UL)

## ENVIRONMENTAL SPECIFICATIONS

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

## PRODUCT CODE: FT-HGS21-X<sub>1</sub>/X<sub>2</sub>

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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Deep anti glare  
**Waterproof Downlight**

15° 24° 36° 55°

IP65 waterproof spotlight

-  2700-6000k
-  0.5/0.95
-  >90 or >80
-  IP54
-  50000hours
-  IK07
-  Flicker Free
-  5 Years Warranty
-  CE
- 
-  Dimmable (optional)
- 

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### IP65 HGS21 Series Square Single-head Waterproof Spotlight

MODEL	POWER	CUTOUT	SIZE	CRI	COLOR TEMPERATURE	WORKING VOLTAGE
FT-HGS21-7W	7W	φ 58*55	65*65*H100mm	≥90	2700K	AC 200-240V or AC 100-240V
FT-HGS21-10w	10W	φ 78*75	85*85*H106mm		3000K	
FT-HGS21-12W	12W	φ 78*75	85*85*H106mm		3500K	
FT-HGS21-15W	15W	φ 78*75	85*85*H106mm		4000K	
FT-HGS21-20W	20W	φ 98*95	105*105*H126mm		5000K	
FT-HGS21-25W	25W	φ 98*95	105*105*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

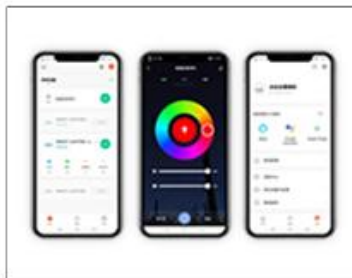


DALI

2700-6000K tunable



2.4G



TUYA  
(Bluetooth WiFi ZIGBEE)



DALI DT8

Dongguan Fitlight Lighting Co.,Ltd.

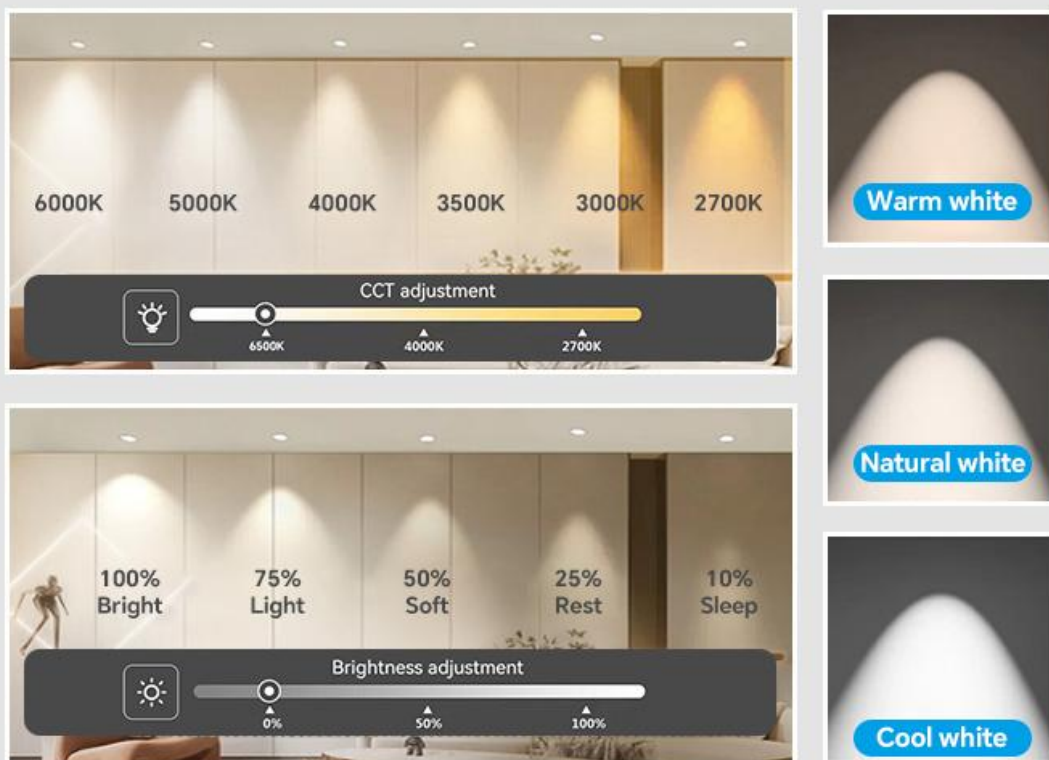
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## Intelligent Dimming And CCT Adjustment

Supports multiple intelligent connection methods

DALI, 0-10V, TUYA/ZIGBEE, TRIAC



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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



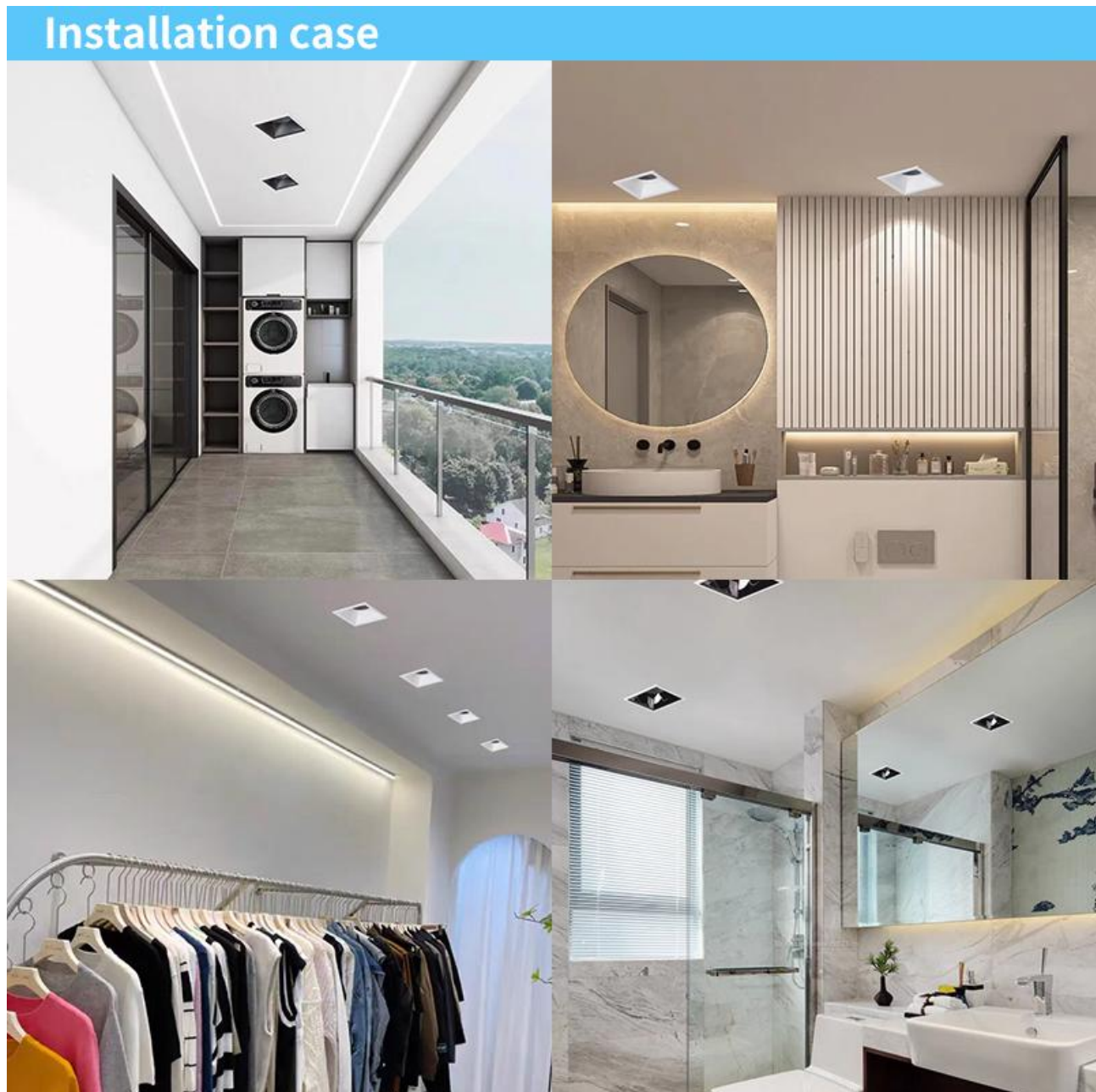
Honeycomb

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## INSTALL APPLICATION



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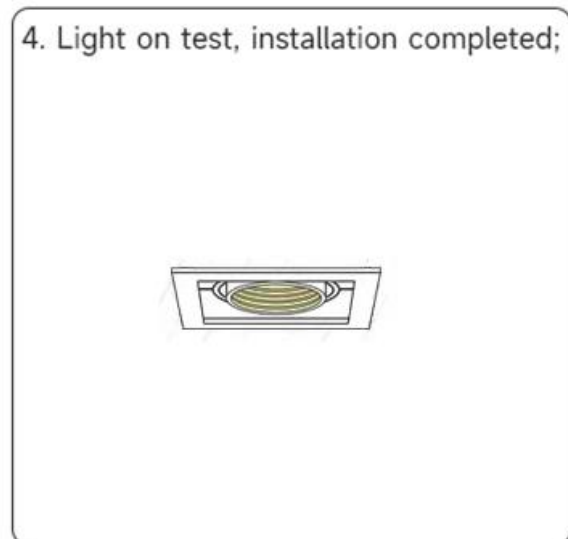
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## Installation of Light with springs:

The installation method can be installed according to the installation diagram of the luminaire. The installation position of the luminaire is selected by the embedded installation, and the hanging parts, cables, installation tools, etc. required for installation are prepared. The luminaires are led out according to relevant specifications, and the luminaires are hanged by hanging parts, etc. The back cover is pre-selected and properly hung or embedded to the pre-selected position.

### Installation Instructions



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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## 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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