

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

14^{+years}
Production experience

3000^{+m²}
Factory space

50⁺
Patent certificate

100⁺
Projects

10000^{+pcs}
Daily output value

100⁺
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

LAMP TYPE	IP65 Frameless Waterproof Square Double-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	2*7/2*10/2*12/2*15/2*20/2*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-HGS21-2*X₁/X₂

X1: Power

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

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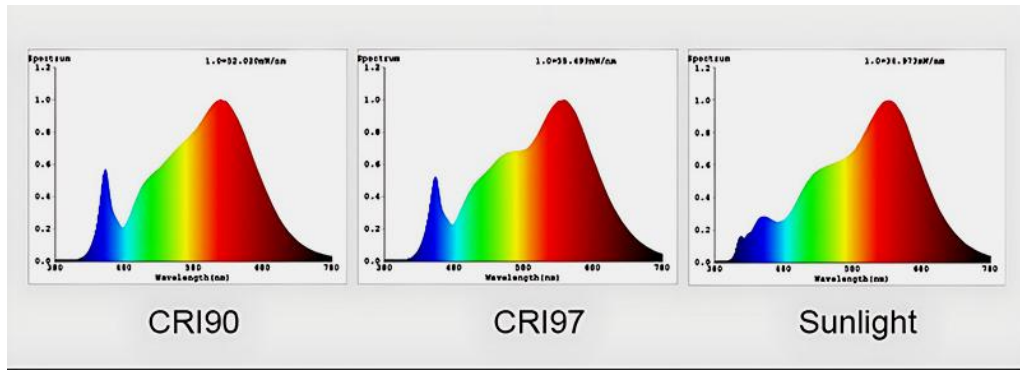
Deep anti glare
Waterproof Downlight



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CCT option



Material Brand Cooperation

PHILIPS

CREE

OSRAM

EAGLERISE

LIFUD

bridgelux

powered by
TRIDONIC

LUMINUS

EPISTAR

EOKE

KR
KERUI GROUP

CITILED
The Light Engine

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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IP65 HGS21 Series Square Double Head Frameless Waterproof Spotlight

MODEL	POWER	CUTOUT	SIZE	CRI	COLOR TEMPERATURE	WORKING VOLTAGE
FT-HGS21-2*7W	2*7W	105*55mm	176*55*H100mm	≥90	2700K	AC 200-240V
FT-HGS21-2*10W	2*10W	145*75mm	215*75*H106mm		3000K	
FT-HGS21-2*12W	2*12W	145*75mm	215*75*H106mm		3500K	
FT-HGS21-2*15W	2*15W	145*75mm	215*75*H106mm		4000K	AC 100-240V
FT-HGS21-2*20W	2*20W	185*95mm	255*95*H126mm		5000K	
FT-HGS21-2*25W	2*25W	185*95mm	255*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



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DIMMABLE

Single color dimmable



TRIAC



0-10V

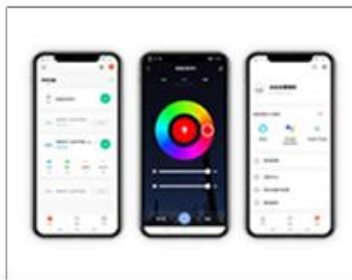


DALI

2700-6000K tunable



2.4G



TUYA
(Bluetooth WiFi ZIGBEE)



DALI DT8

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Intelligent Dimming And CCT Adjustment

Supports multiple intelligent connection methods

DALI、0-10V、 TUYA/ZIGBEE、 TRIAC



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



Beam angle diagram



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EXPLODED VIEW







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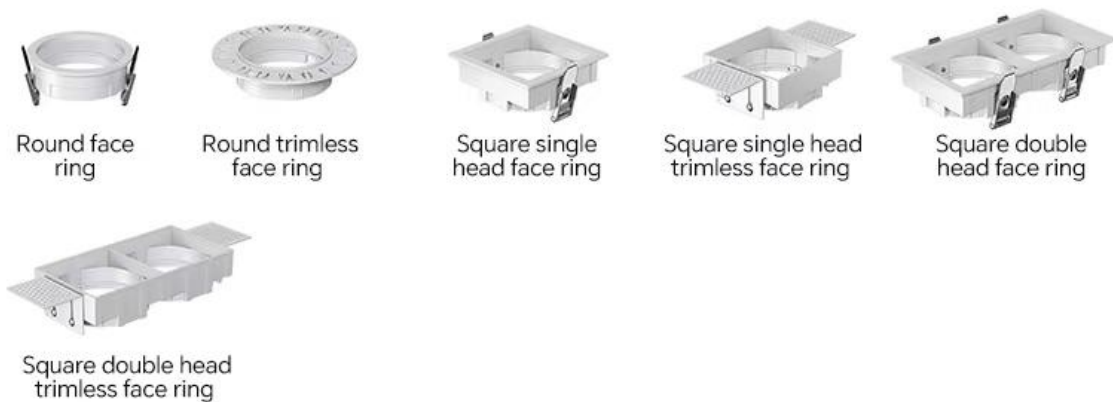
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HGS21 Round Framed			HGS21 Round Frameless		
Cut out	Power		Cut out	Power	
55mm	7W		55mm	7W	
75mm	10W/12W/15W		75mm	10W/12W/15W	
95mm	20W/25W	95mm	20W/25W		

HGS21 Square Single Head Framed			HGS21 Square Single Head Frameless		
Cut out	Power		Cut out	Power	
58*55mm	7W		58*55mm	7W	
78*75mm	10W/12W/15W		78*75mm	10W/12W/15W	
98*95mm	20W/25W	98*95mm	20W/25W		

HGS21 Square Double Head Framed			HGS21 Square Double Head Frameless		
Cut out	Power		Cut out	Power	
105*58mm	2*7W		105*55mm	2*7W	
145*78mm	2*10W-2*15W		145*75mm	2*10W-2*15W	
185*98mm	2*20W/2*25W	185*95mm	2*20W/2*25W		

Face ring



Reflective cup



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INSTALL APPLICATION



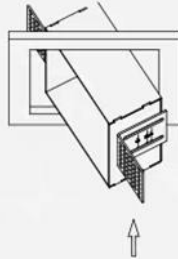
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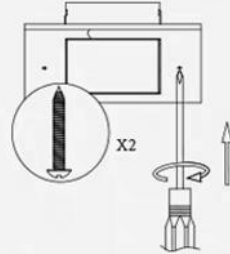
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Installation Instructions

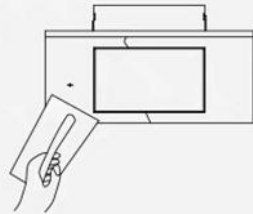
- 1 Cut a hole and place the embedded box: 58*55mm/78*75mm/98*95mm



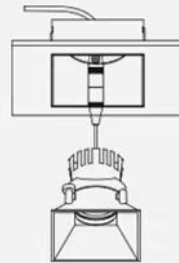
- 2 Extend 1-3mm beyond the gypsum board, then fix the embedded box



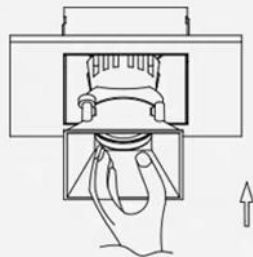
- 3 Fill the gaps with joint tape, then apply putty powder



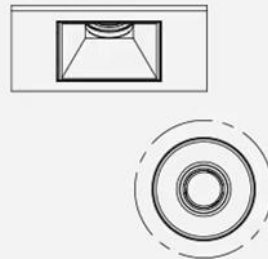
- 4 Connect the power supply and the safety cable



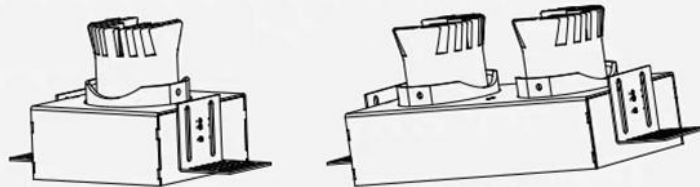
- 5 Plug in the male and female connectors



- 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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