

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⁺

Production experience

3000^{+m²}

Factory space

50⁺

Patent certificate

100⁺

Projects

10000^{+pcs}

Daily output value

100⁺

Service country



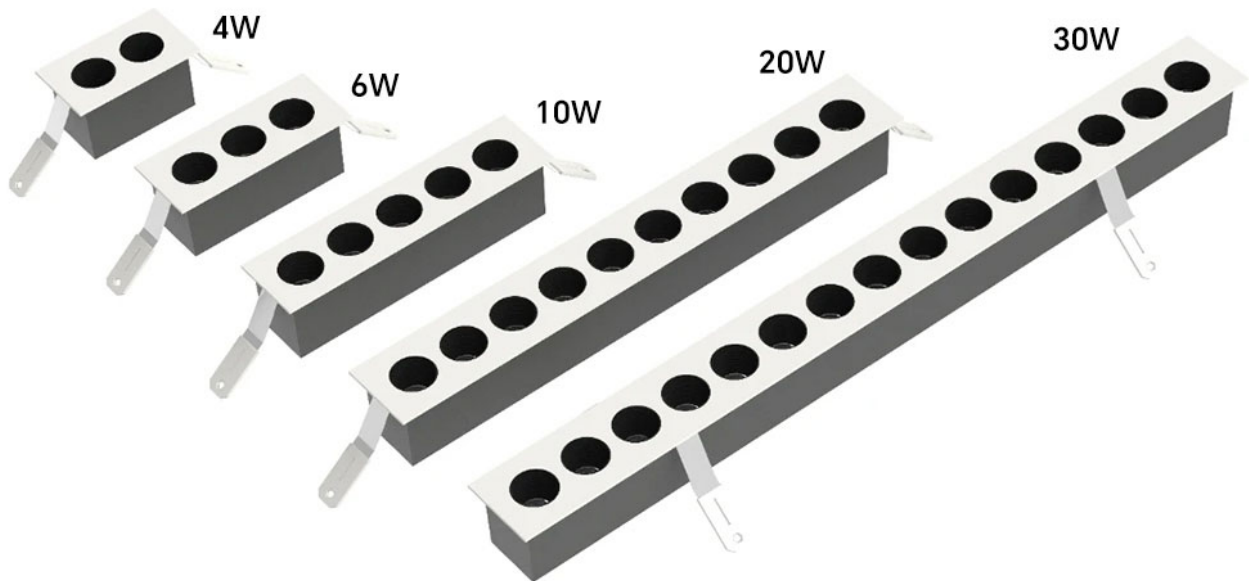
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14 +YEARS
Customization
experience

OEM/ODM



WARRANTY



Beam Angle:
15°/24°/36°



Flicker Free



CRI > 90



CCT: 2700/3000/
3500K/4000/ 6000K



0-10V/DALI
dimming



Model No.	Watts	Size(mm)	Cut Out(mm)	LED Color
FT-LL6F1-4W	4W	72*41*H40mm	35*68mm	2700K 3000K 3500K 4000K 6000K
FT-LL6F1-6W	6W	101*41*H40mm	35*97mm	
FT-LL6F1-10W	10W	160*41*H40mm	35*156mm	
FT-LL6F1-20W	20W	308*41*H40mm	35*304mm	
FT-LL6F1-30W	30W	455*41*H40mm	37*450mm	

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PRODUCT SPECIFICATIONS

LAMP TYPE	LL6 Model Embedded LED linear light
LIGHT SOURCE	OSRAM chip
Input voltage (volts)	AC 200-240V/AC110V
Power	4W / 6W / 10W / 20W / 30W
BEAM ANGLE	15°/24°/36° ±3°
Dimming Options	0-10V / DALI
RENDERING INDEX (Ra)	>90Ra
Material Quality	Aluminum
Color Temperature	Warm White(2700K/3000K/3500K) / Natural White(4000K) / Cool white(6000K)
OPTICS	Optical lens
HEATSINK	Machined pure aluminum with anodize finish
Installation	Recessed/Embedded
BASE TYPE	External Driver
Key Feature 1	DALI dimmable recessed linear aluminum profile light
Key Feature 2	Anti-glare recessed linear wall washer light UGR<19
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-LL6F1-X₁/X₂

X1: Power

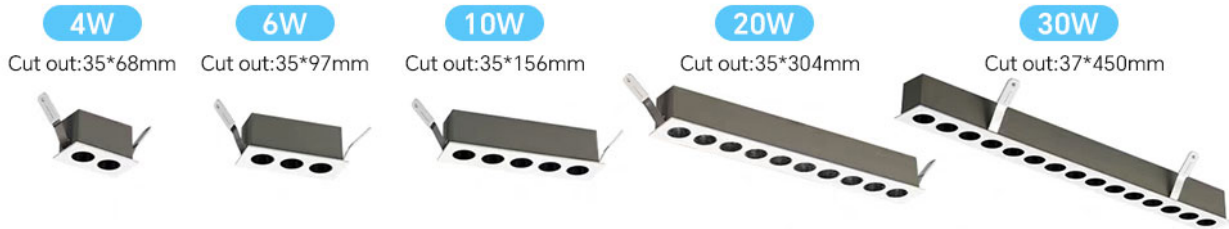
X2: LED chip(OSRAM chip)

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Specifications & Dimensions



Product Name	Power	Beam Angle
Recessed Linear Spotlight	4W/6W/10W/ 20W / 30W	15°/24°/36°
Material	Product Color	Application Scenarios
Aluminum Alloy	White / Black	Commercial Lighting
Light Source Type	CRI	Installation Type
OSRAM Chip	Ra≥98	Recessed

Power	Outer Size	Height	Cut out	Beam Angle	CCT
4W	72*41mm	40mm	35*68mm	15°/24°/36°	2700/3000/3500 /4000/6000K
6W	101*41mm	160mm	35*97mm	15°/24°/36°	2700/3000/3500 /4000/6000K
10W	160*41mm	40mm	35*156mm	15°/24°/36°	2700/3000/3500 /4000/6000K
20W	308*41mm	40mm	35*304mm	15°/24°/36°	2700/3000/3500 /4000/6000K
30W	455*41mm	40mm	37*450mm	15°/24°/36°	2700/3000/3500 /4000/6000K

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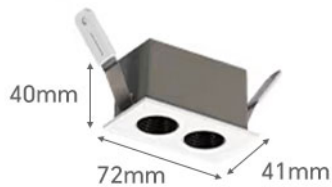
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Product Size

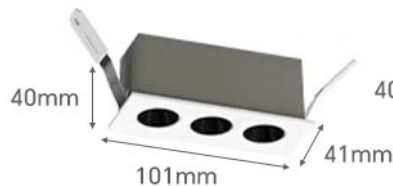
4W

Cut out: 35*68mm



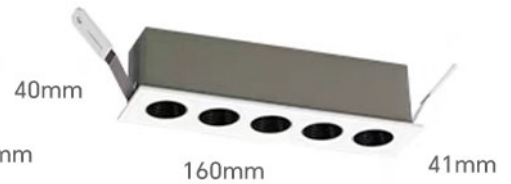
6W

Cut out: 35*97mm



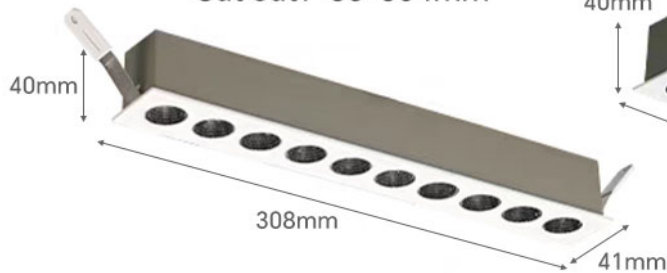
10W

Cut out: 35*156mm



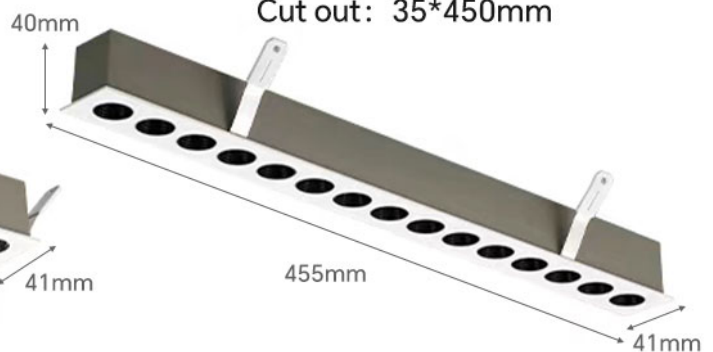
20W

Cut out: 35*304mm



30W

Cut out: 35*450mm



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Structure Detail Display

**High Color Rendering
Light Source**

Adopt Ra98 high CRI light source to
restore true colors

**Thickened Aluminum
Heat Dissipation Design**

Cast aluminum housing with stable heat dissipation
performance, Precision aluminum material
extends the service life of light source

Deep Anti-glare Cup Lens

Effectively block excess glare
Comfortable for long-time lighting
without eye strain

Sturdy Heavy-duty Buckles

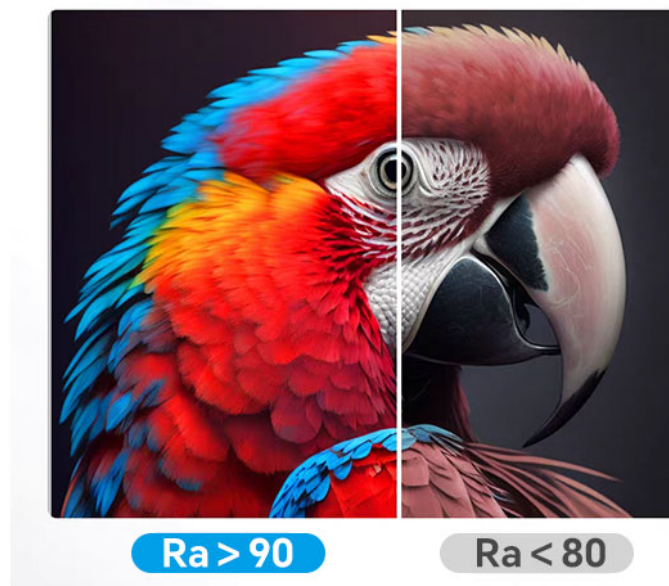
Constructed with metal buckles for
firmer and more reliable installation



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Healthy Light Flicker-Free

High-quality high-brightness LED chips & stable driver

Zero flicker to protect your family's eyesight

CUSTOMIZED COLOR TEMPERATURE

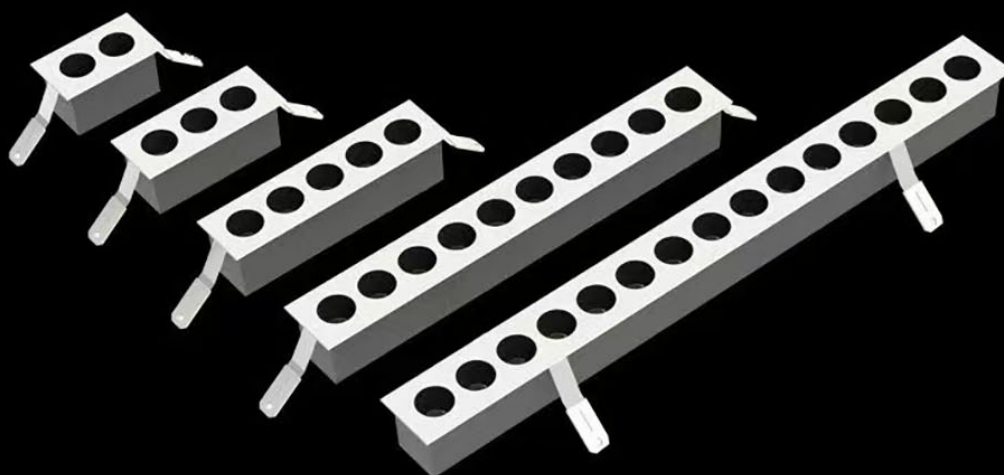


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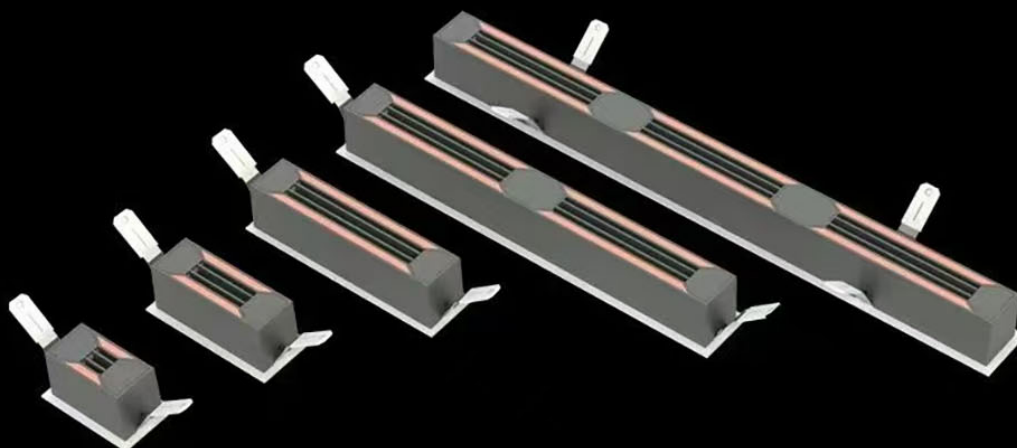
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Multiple Style Displays



Multiple Style Displays



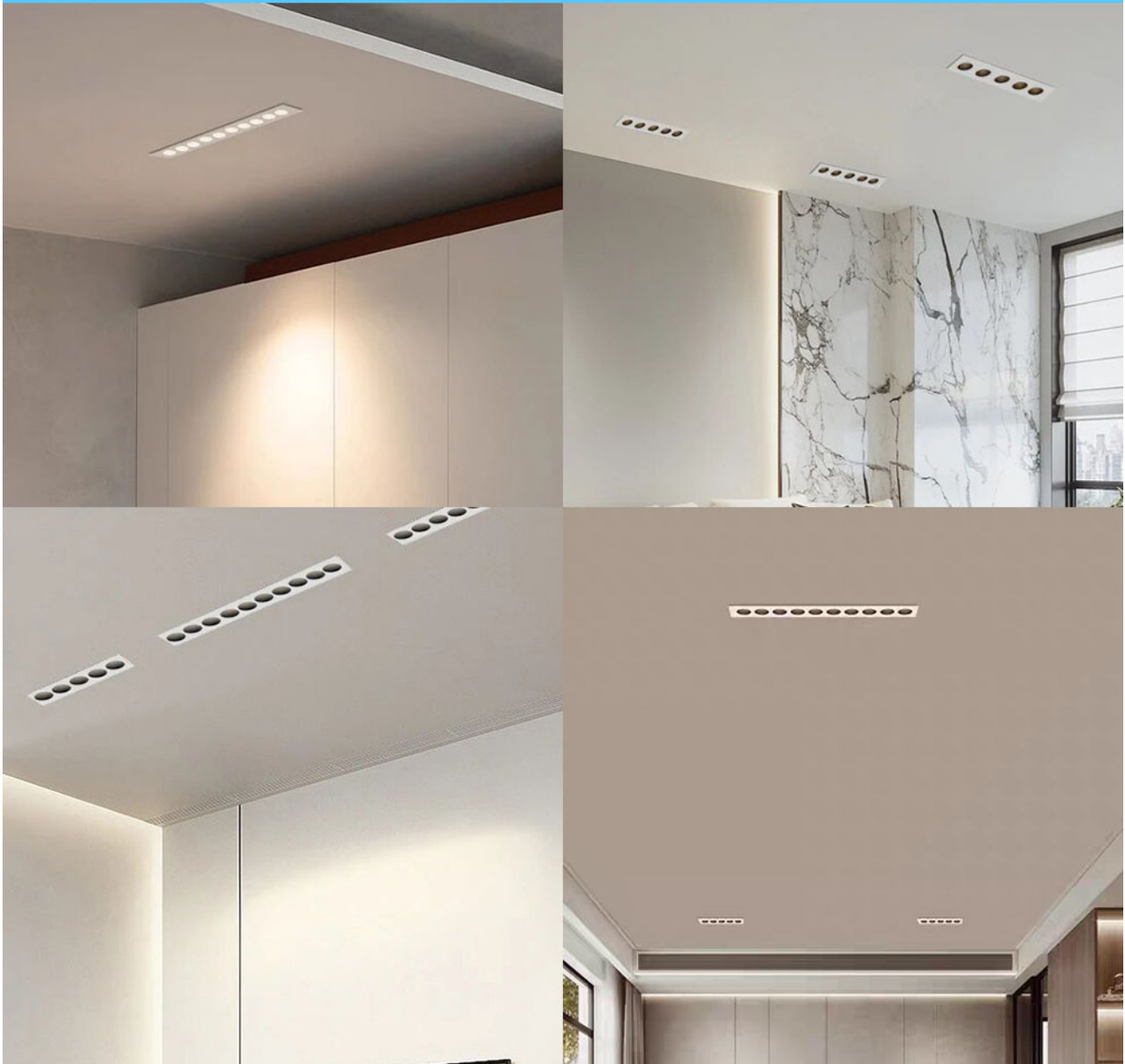
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INSTALL APPLICATION

Installation effect

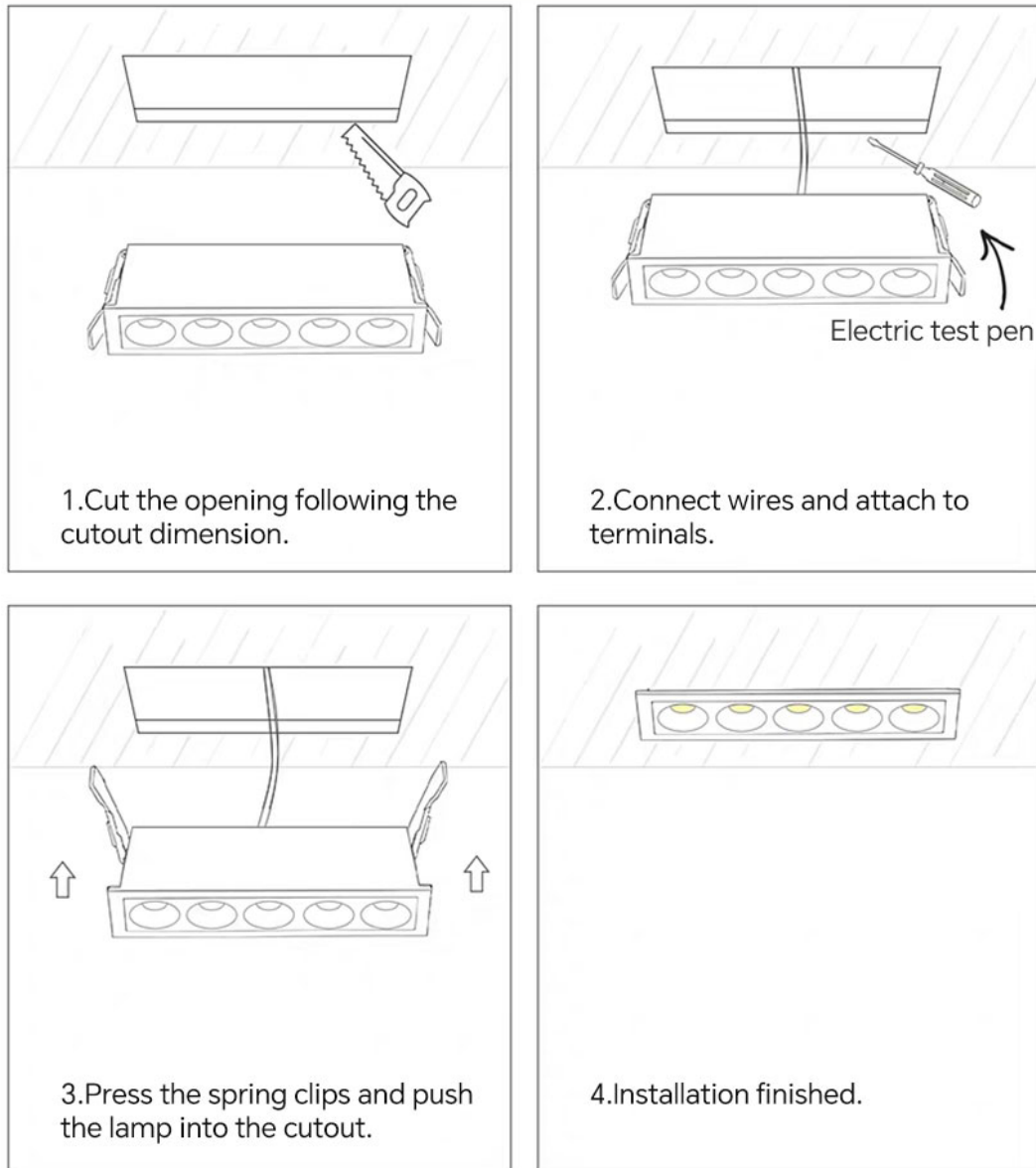


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Installation steps



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OEM & ODM Manufacturer



14 ^{+years}
Production experience

3000 ^{+m²}
Factory space

50 ⁺
Patent certificate

100 ⁺
Projects

10000 ^{+pcs}
Daily output value

100 ⁺
Service country



WHY CHOOSE US:

1. 14+Years Development time.With more than 200 workers.
2. 100+Serving the country;3000+m² Factory space;10000pcs Daily production capacity
3. OEM&ODM manufacturer.Our R&D team with more 20 years'experience on this business.
4. Free Laser Logo on Product. Customize Packaging.
5. Free Samples! (Welcome To Send Enquiry Contact Consultation And Check Our Sample Policy)

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- 1.Product Range:** With **300+ products** and 4 production lines, we offer an annual output of over **2 million pieces**, ensuring consistent supply.
- 2.Quality Assurance:** **ISO9001+6S certified**, our products undergo **10+ strict processes** and come with 3-5 years warranty. Test reports and samples are stored for **2+ years** for traceability.
- 3.Fast Delivery:** **5-7 days for orders ≤500pcs; 7-10 days for 500-1,000pcs; 10-20 days for 1,000-3,000pcs.** Urgent orders delivered in 3-5 days.
- 4.Cost Savings:** 50% savings on LCL shipments with visual loading updates (photos/videos/data).
- Value-Added Services: Free samples (sample fee refunded upon order), test reports, and production progress updates.

Backed by 14+ years of LED lighting manufacturing experience and ISO9001 standardized production system, we own an independent R&D and design team to realize rapid OEM & ODM customization according to buyers' requirements. We provide professional one-stop lighting solution services, strict quality inspection throughout production, stable production capacity and punctual delivery schedule. Our products pass global mainstream safety certifications including SAA, CE and EMC, fully complying with overseas market access standards. All these strengths help global partners avoid quality risks, certification troubles and after-sales problems, establishing long-term and reliable cooperative relationships.

Certifications



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Laser Engraving Machine



Optical Spectrum Analyzer



Luminaire Light Distribution Test



Raw Material Warehouse



Finished Product Bin



Delivery

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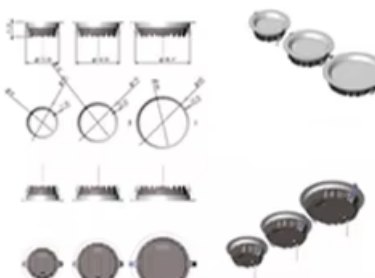
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Production Process



① Design



② Making Molds



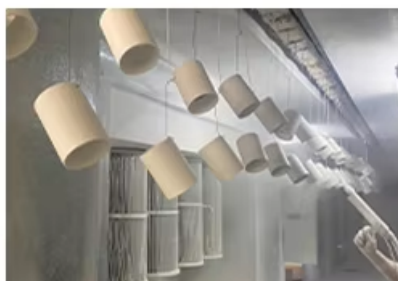
③ Die-casting



④ CNC Processing



⑤ Polishing



⑥ Powder Painting



⑦ Assembly



⑧ Soldering



⑨ Test



⑩ Aging products



⑪ Packaging



⑫ Transport

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PARTNERS



PACKAGING & DELIVERY



Packaging method

Little Carton+Green Plastic
+Iron Sheet+Big Carton



Logistics delivery method

Shipping from China / Courier
/ DDP / Ocean / Air Freight

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FAQ:**Q1: What types of indoor lighting products do you manufacture?**

A: We specialize in a full range of indoor lighting: LED recessed downlights, surface-mounted downlights, track lights, linear lights, magnetic track systems, and anti-glare spotlights. We serve commercial projects (retail, hotels, offices, galleries) and residential applications with complete lighting solutions.

Q2: Do you offer OEM/ODM services – custom logo, packaging, or product specifications?

A: Yes. We are a professional OEM/ODM manufacturer. We can customize branding on housing and packaging, driver types (TRIAC / 0-10V / DALI), color temperature, beam angles, and even develop new products based on your design brief. Our R&D team is ready to bring your concepts to life.

Q3: What is your MOQ? Can I order samples first?

A: Our standard MOQ is just 1 piece for samples. We strongly encourage sample evaluation before bulk orders. Sample lead time is 3–5 working days. For bulk production, MOQ is flexible – we welcome small trial orders and can scale to full containers.

Q4: What are your payment terms?

A: Standard terms are 30% deposit by T/T, 70% balance before shipment after final inspection. We also accept L/C at sight for larger contracts. Other arrangements can be discussed.

Q5: What is your lead time for bulk orders?

A: Typically 15–20 days after deposit confirmation, depending on product type and quantity. For urgent projects, contact our sales team – we will accommodate your schedule where possible.

Q6: What LED chips and color temperatures do you offer?

A: We use genuine CREE COB/OSRAM COB, EPISTAR COB, and high-quality SMD LEDs. CCT options: 2700K / 3000K / 3500K / 4000K / 5000K / 6500K. Standard CRI is >90Ra with >80Ra available for cost-sensitive projects.

Q7: Are your products dimmable? What dimming controls do you support?

A: Yes. We offer both wired and wireless smart dimming solutions to meet diverse project needs:

- Wired dimming: TRIAC (phase-cut, compatible with standard wall dimmers), 0-10V (commercial building automation), and DALI (digital addressable lighting for smart buildings).
- Wireless smart dimming: Tuya Zigbee and Tuya Bluetooth – enabling remote control, scheduling via the Tuya app. This makes it easy to upgrade to smart lighting without extra wiring.

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Please specify your dimming preference when ordering, and we will configure the right driver for you.

Q8: What international certifications do your products hold?

A: All products are certified with CE, RoHS, EMC, LVD, and SAA – ensuring compliance with European, Australian, and major global standards. We can also assist with UKCA and PSE upon request.

Q9: How do you control quality during production?

A: We operate a strict three-stage QC system: IQC (20% incoming component check), IPQC (real-time in-process monitoring), and FQC (20% final inspection on finished goods). Production videos and test reports are available upon request.

Q10: What is your warranty period?

A: We offer a 5-year warranty on most products (3-year for selected series) against manufacturing defects – demonstrating our confidence in long-term reliability.

Q11: Do you provide IES/LDT files for lighting design?

A: Yes. We supply IES and LDT photometric files for all products, compatible with Dialux, Relux, and other professional lighting simulation software.

Q12: Are your track lights compatible with different track rail systems?

A: Yes. Our track heads are available with 2-wire, 3-wire, or 4-wire adapters, fitting H- type, J- type, L- type, and European rails – one product covers multiple installation scenarios.

Q13: Where are your products commonly used?

A: Our luminaires are widely installed in retail stores, hotels, restaurants, offices, museums, galleries, supermarkets, showrooms, and residential homes. We cater to both new construction and retrofit projects.

Q14: What is your monthly production capacity?

A: Our factory produces 200,000–300,000 pieces per month across all categories – ensuring stable supply for large-scale commercial orders.

Q15: What are your main export markets, and how do you ship orders?

A: Our primary markets are Europe, Central & South America, the Middle East, Africa, and Southeast Asia. We ship via sea, air, or express (DHL/FedEx) and offer consolidated container shipping for bulk orders to reduce logistics costs.

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