



SF07 TRI-PROOF LIGHT

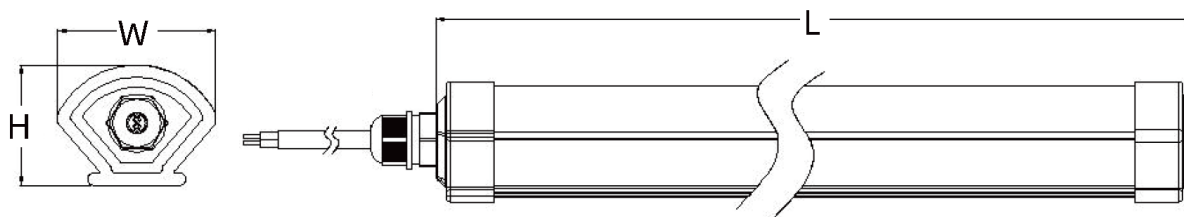


| Material and structural innovation

- Full PC plastic integrated molding: Made of flame-retardant PC (polycarbonate) material, it combines lightweight (weight $\leq 1.2\text{kg/m}$) and high strength, with impact resistance reaching IK08 level, and can withstand mechanical vibration and frequent handling.
- Metal free frame design: eliminates the risk of corrosion and is suitable for highly corrosive environments such as chemical and marine industries. It also has excellent insulation performance (withstand voltage $\geq 3000\text{V}$) and eliminates potential leakage hazards.

Core advantages: With the lightweight and durable nature of PC plastic, efficient integration of integrated structures, and intelligent control functions, we create an industrial lighting solution that combines safety and economy, especially suitable for harsh environments such as humidity, corrosion, and high dust.

Product parameters

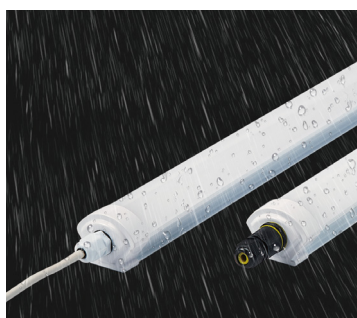


Model No.	Power (W)	Input volt (V)	LED TYPE	Lumen (LM/W)	PF	Beam Angle	CCT (K)	CRI	IP	Size(mm)		
										L	W	H
CHZ-SF07-600-20W	20	200-240V	SMD2835	> 130	> 0.9	120°	3000-6500K	> 80	IP66	600	47	38
CHZ-SF07-600-30W	30									600		
CHZ-SF07-1200-40W	40									1200		
CHZ-SF07-1200-50W	50									1200		
CHZ-SF07-1500-50W	50									1500		
CHZ-SF07-1500-60W	60									1500		

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Packaging

Model No.	Light size/mm	Packing size/mm	Carton size/mm	PCS /CTN	N.W/G.W(KG)
SF07-600-20W/30W	600x67x65	660x72x75	720x300x230	12	8.5/9.0
SF07-1200-40W/50W	1200x67x65	1260x72x75	1320x300x230	12	16.0/17.0
SF07-1500-50W/60W	1500x67x65	1560x72x75	1620x300x230	12	17.0/18.0



Excellent three proof performance

- IP66 protection: High dust and water resistance levels, certified by CE and CB safety regulations, suitable for harsh environments such as construction sites, docks, and basements.

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Efficient energy saving and long lifespan

- High luminous efficiency LED module: luminous efficiency $\geq 120\text{lm/W}$, equipped with side emitting light guide plate technology, light uniformity ($\text{UGR} \leq 15$) without flicker, luminous efficiency up to 120lx (adjustable).
- Industrial grade LED chips: using high-quality SMD2835 chips, with a lifespan of ≥ 50000 hours (L70 standard), annual attenuation $< 5\%$, and maintenance costs reduced by 60%.

Flexible installation and scene adaptation

- Modular splicing design: The length of the lamp body can be freely combined (0.5-12 meters), supporting linear or L-shaped layouts, and adapting to complex spaces such as workshop assembly lines, shelf channels, and equipment maintenance areas.
- Quick installation method: Ceiling installation or hoisting, no need for pre embedded lines or tools, installation can be completed within 10 minutes, increasing efficiency by 50%.

Intelligent control and compatibility

- Multi mode dimming and color adjustment: supports 0-100% brightness adjustment and 2700K-6500K color temperature switching, optional RS485/DALI protocol, linked with PLC control system to achieve zoning lighting management.
- Environmental sensing function: Equipped with an infrared sensor, it can automatically turn on the lights when people come and turn off the lights when people leave (the delay time can be adjusted from 1-60 seconds), with an energy-saving rate of up to 30%.

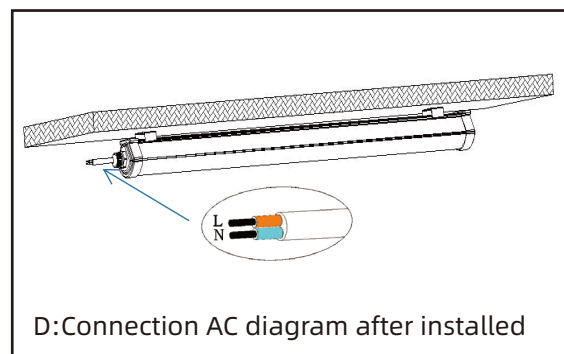
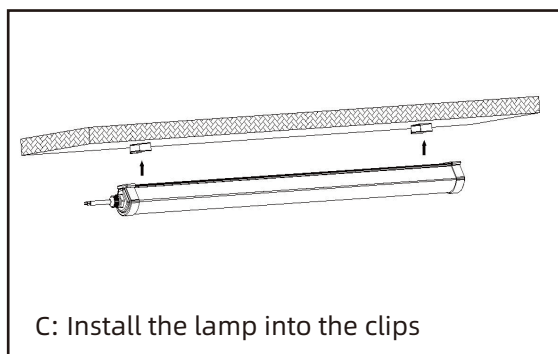
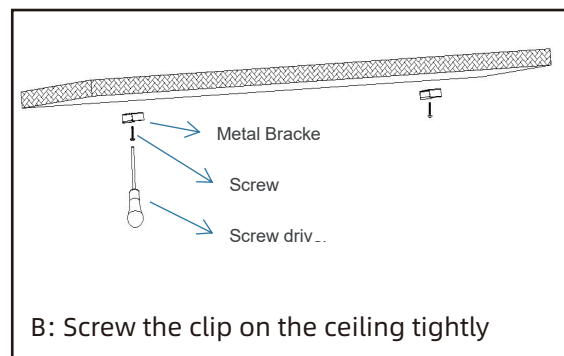
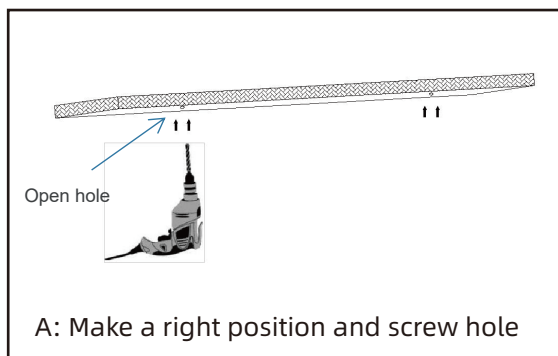


Environmental Protection and Safety Assurance

- Zero heavy metal pollution: PC materials do not contain toxic substances such as mercury and lead, have passed RoHS 2.0 and REACH environmental certifications, and have a recycling rate of over 90% after disposal.
- Anti electric shock and fire protection design: The lamp body and power supply are separated in structure (with an external driver), and the PC material has an oxygen index of ≥ 28 (UL94 V-2 flame retardant), eliminating the risk of fire.

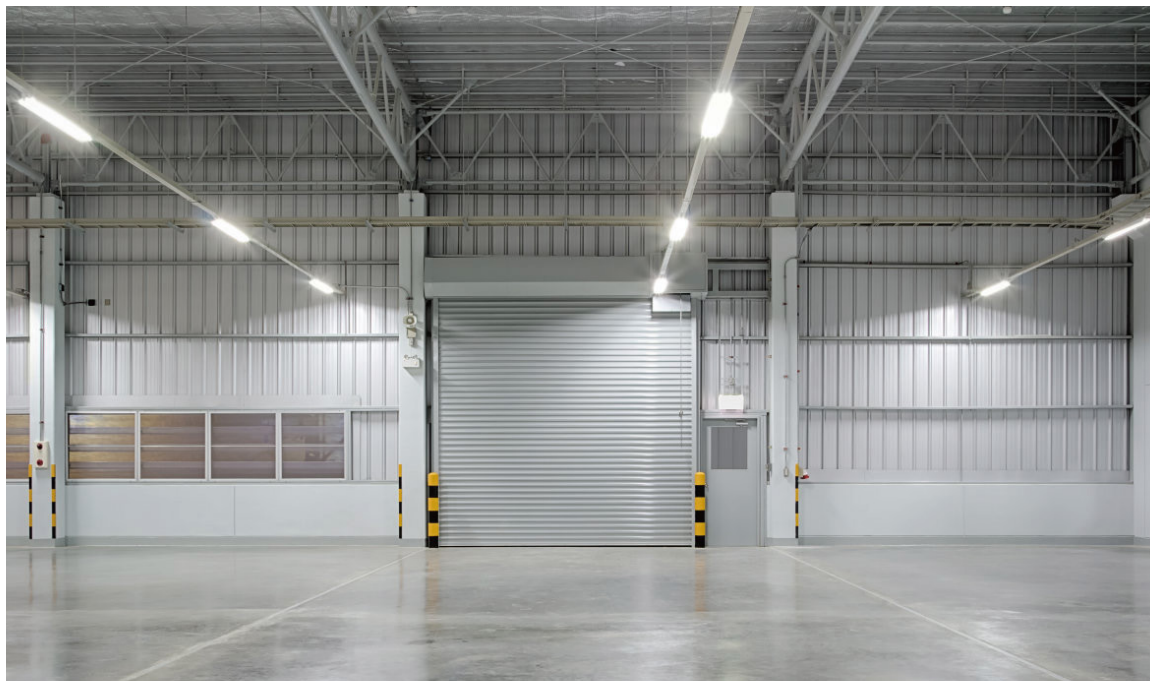


precautions



Typical application scenarios

- Industrial workshop: Lighting for automotive assembly lines, precision instrument areas in electronic factories, explosion-proof and anti-corrosion measures to ensure safety in high-risk environments.
- Port terminal: container yard, gantry crane track lighting, resistant to salt spray corrosion and vibration, suitable for outdoor extreme weather conditions.
- Municipal engineering: underground pipe gallery, drainage ditch maintenance lighting, IP66 protection and long service life reduce maintenance frequency.
- Agricultural greenhouse: Plant fill light, adjustable spectrum (optional) to promote crop photosynthesis, lightweight design for easy mobility and installation.



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