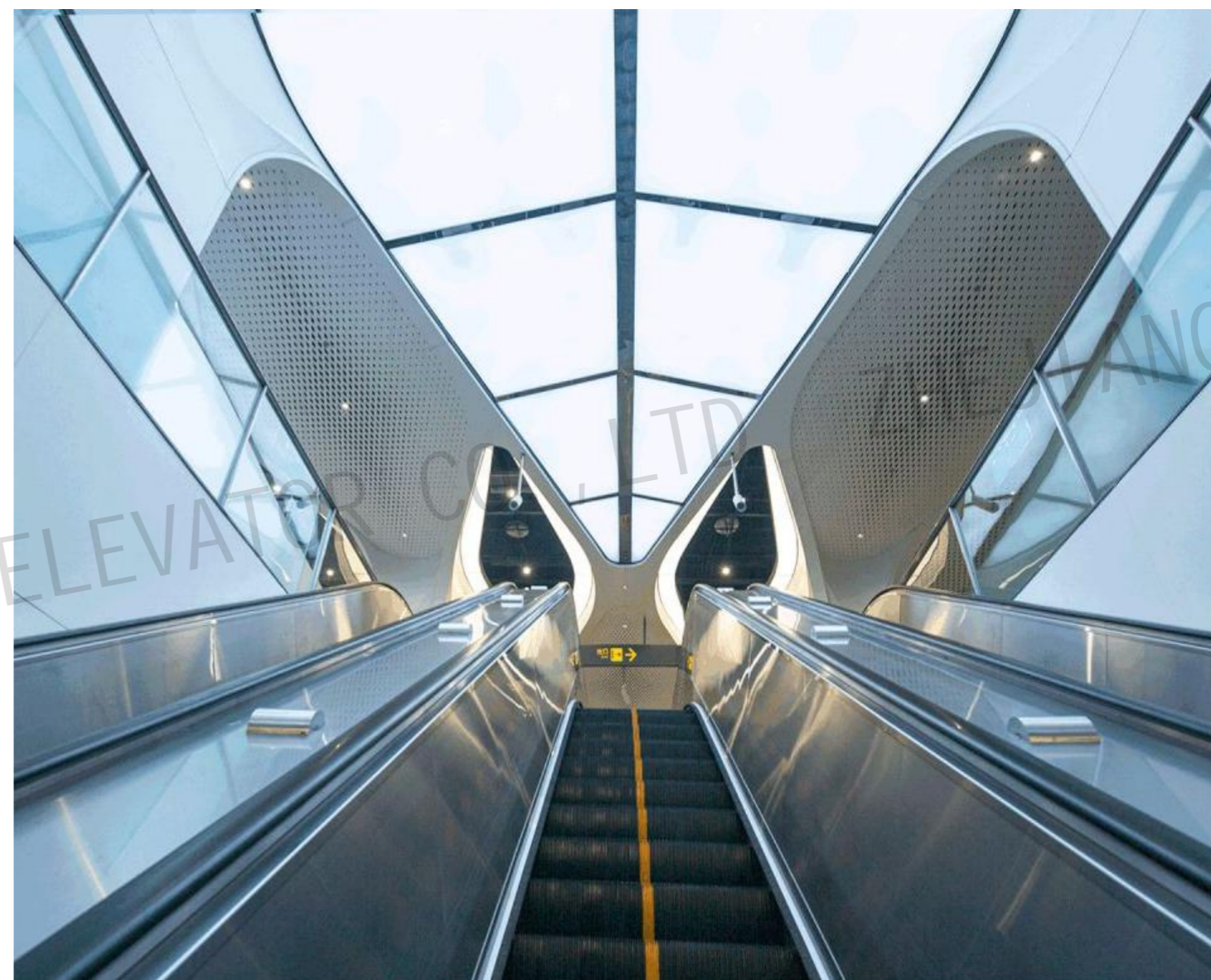


Escalator

Moving walk

Smooth and flexible rising space



Zhejiang Aoma Elevator Co.,Ltd

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Huzhou,Zhejiang,China

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Website:www.vksfujilift.com



Escalator

Perfect quality, Reliable running

Add a beautiful flowing landscape to your building

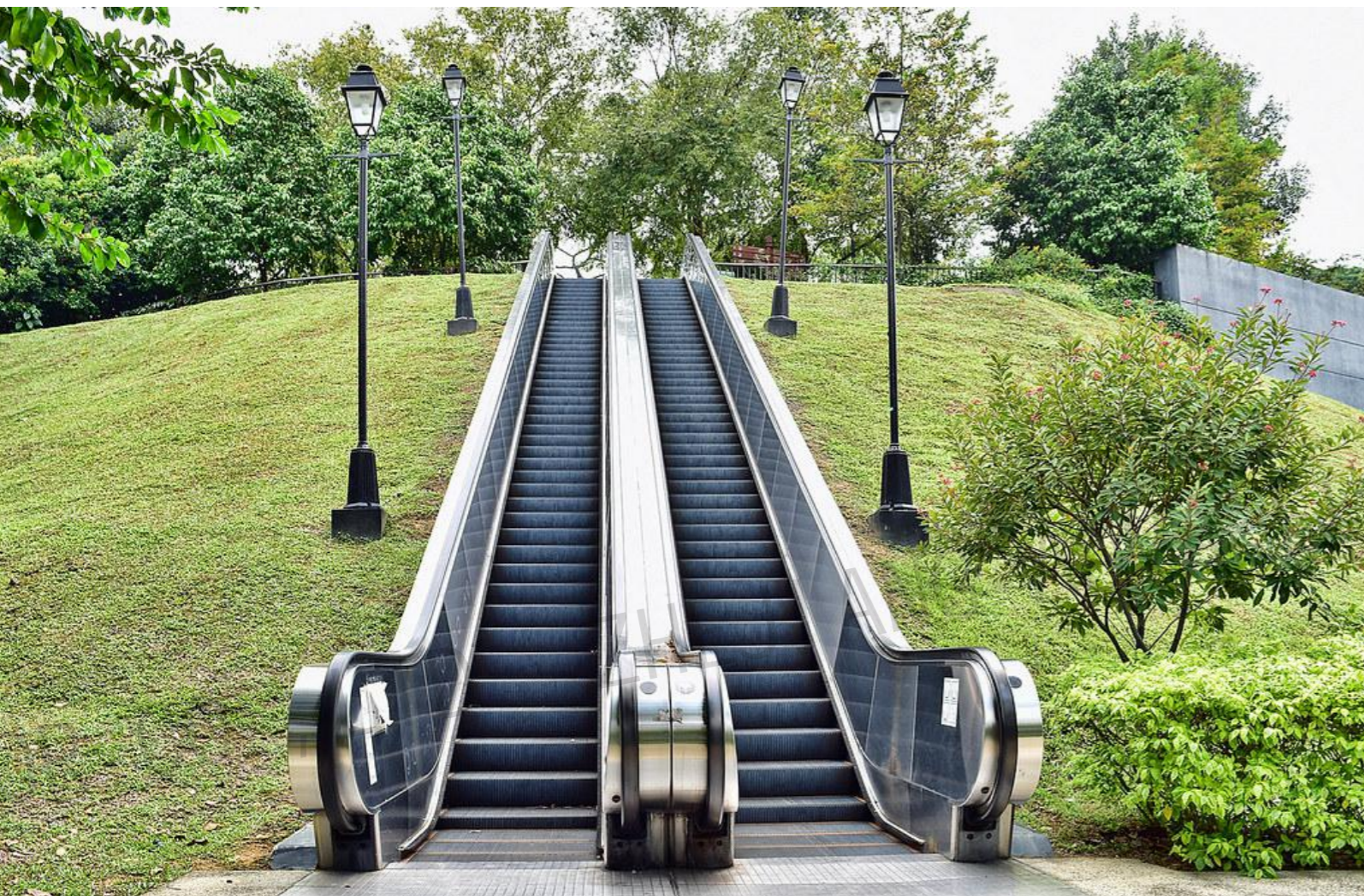


Escalator

The expert on cities' heavy traffic solutions

VKS FUJI Escalator series products have been products according to the European standard CE,internation standard ISO and also Chinese standard.it fully applies the novel materials and advanced technology both at home and abroad to design and manufacture the escalators. it has the features such as smooth running,low noise,fine durability,convenient repair,fine and exquisite structure,consummate lift-way,remarkable belt-way,attractive outline model magnificent design style with gentle modern flavor.A safe, cozy and beautiful escalator can let you enjoy the pleasant and comfortable moment every day.





Heavy duty escalator

Have a panoramic view of flowing scene

Large-height public transportation escalator, based on the transportation concept, integrates aesthetics, safety, and environmental protection. It is an efficient heavy-duty escalator transportation solution tailored for public transportation that can withstand harsh environmental tests.

Ordinary outdoor escalator

Playing as another beautiful scene of city traffic

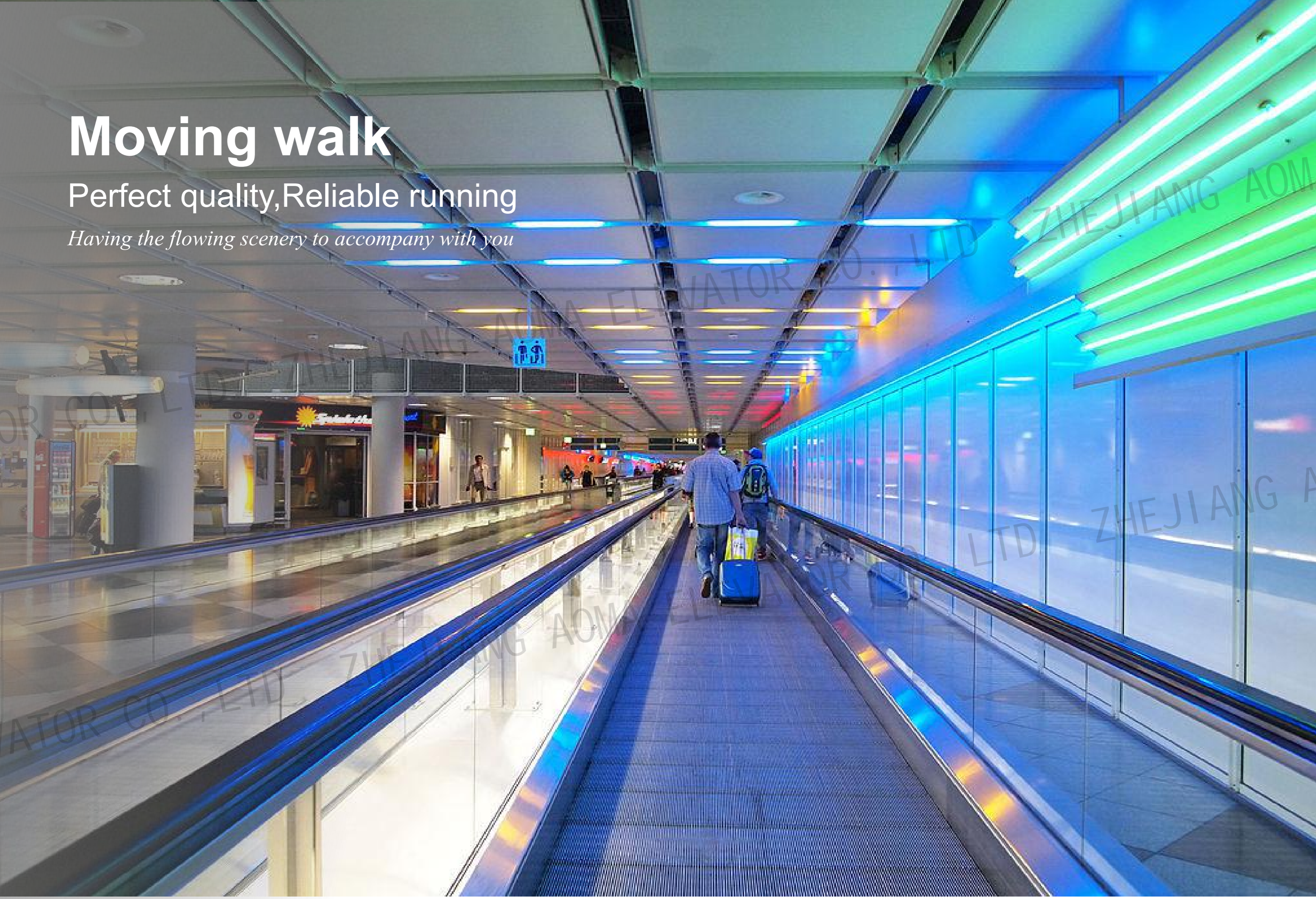
The outdoor escalator of VKS FUJI has excellent performance, is affordable, shaped flexibly and beautiful, can satisfy delivery requirements of different customers and different places. We elaborately design adopting advanced microcomputer frequency conversion technology and research results of ergonomics, our products are equipped with the outstanding advantages of safety, reliable, comfortable, quiet, green energy saving, durable and wear well, are indispensable outdoor public transport vehicles in modern metropolis.



Moving walk

Perfect quality,Reliable running

Having the flowing scenery to accompany with you



Moving walk (Indoor/outdoor)

The perfect experience is what VKS FUJI devoted to you with all our hearts

VKS FUJI moving walk can not only meet the transportation problem of heavy traffic, but also meet the long-distance walking and transportation of luggage carts, strollers, shopping carts, disabled carts, etc., so that people can go up and downstairs when riding, especially when shopping. It feels like walking on the ground, which greatly facilitates people's travel and shopping, and has become the preferred solution for large supermarkets, airports, exhibition centers and transportation transfer stations.

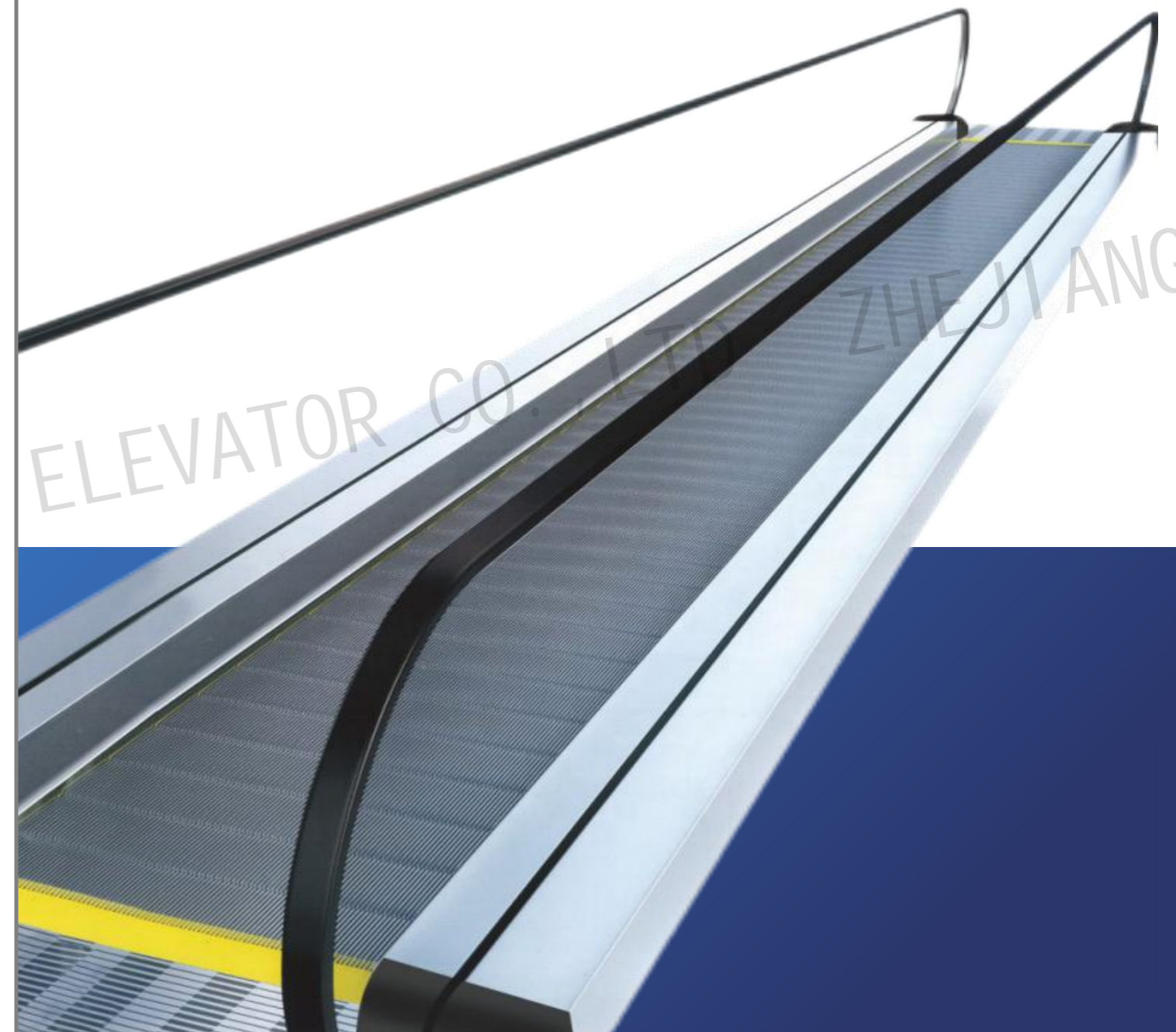


Extremely strong conveying capacities

The moving walkway has a strong conveying capacity and can meet the needs of modern people's traffic in different aspects. It is suitable for airports, shopping malls, hotels, amusement centers and other places.

The unique groundbreaking design minimizes the space requirements. The sturdy structure ensures sufficient load capacity. While conveying the busy flow of large-scale shopping malls and airport stations, it saves every inch of precious space and fully considers the needs of modern urban traffic.

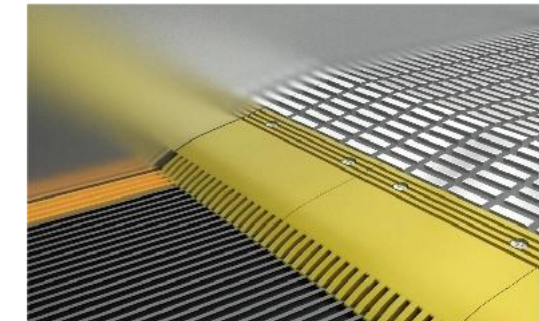
0~12° angle of inclination can be freely selected according to the different use and environment of the building.



Four major advantages

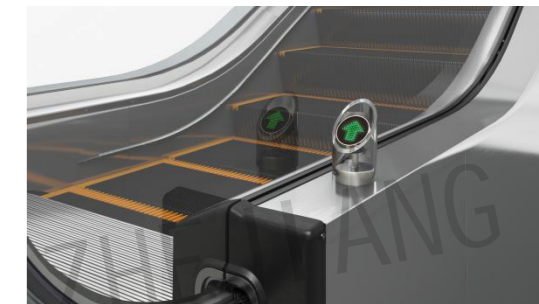
The beauty of precision structure

The high-strength metal structure is constructed with precise dimensions; the super-conscious aesthetic design is perfectly integrated with the building.



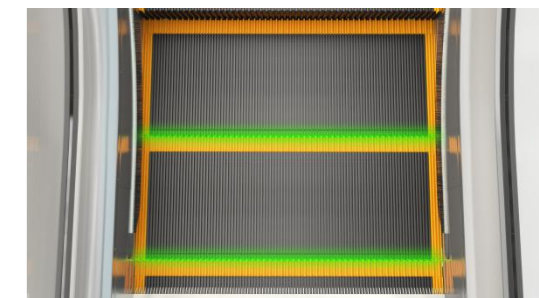
The beauty of efficiency and safety

Equipped with a fault display, it can accurately analyze the running status and display it on the screen to ensure timely and effective maintenance.



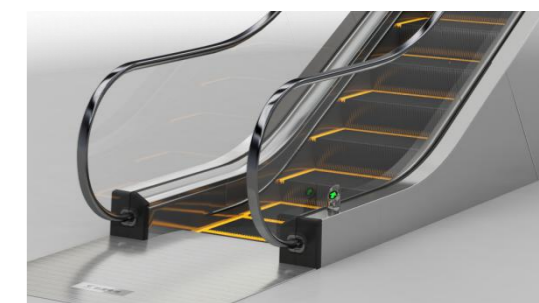
The beauty of technology induction

Automatic start/stop operation device, equipped with automatic sensors near the floor board, can automatically detect and operate when passengers approach, and automatically stop when passengers leave.



Luxurious beauty

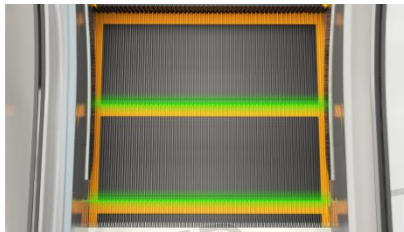
Tempered glass wall panels, luxurious decoration superior to others.



Innovative Technology

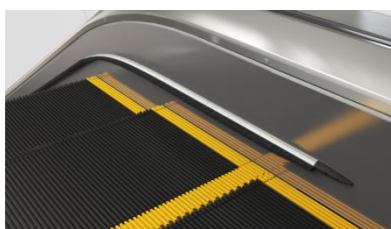
Demarcation lamp

Soft and green fluorescent light sends out from the engaging teeth in-between two adjacent steps(treads) in up/down end.It reminds the passengers to pay attention to the step entry/exit horizontal section.It thus enhances the travel safety.



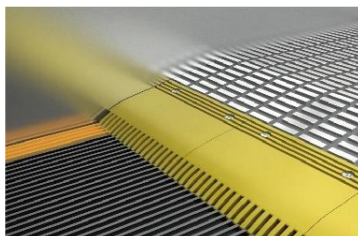
Comb safety devices

Front ends of comb plates are installed on spring.If any foreign substance is nipped between moving escalator steps and static comb plates;such plates will move in vertical or backward directions,and trigger the safety switches monitoring at both sides of the plates,and the escalators will be automatically stopped.



Handrail entry safety protection

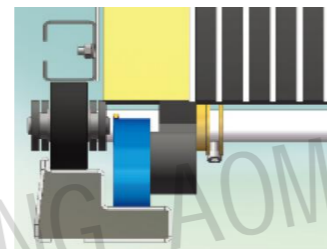
Protection against risk of foreign matters being jammed into handrail entry.



Side guide high accuracy step

guide rail system

High rigidity big profile guide rail with nose used as transverse step positioning,guarantee the minimum gap between the skirt and step,decrease the possibility of objects clamp in between.



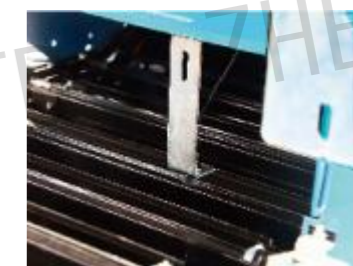
Emergency stop button

Once this button is pressed,the passenger conveyor comes into an emergency stop.



Step loss protection device

The detector is in driving station and steering station respectively.It ensures that the gap out of step(tread) loss does not appear in the entry in up/down motion.Driving station and steering station sets protective detection functions.They shall be verified respectively under normal operation conditions.After the device acts,it can only be reset manually.



Automatic lubricator

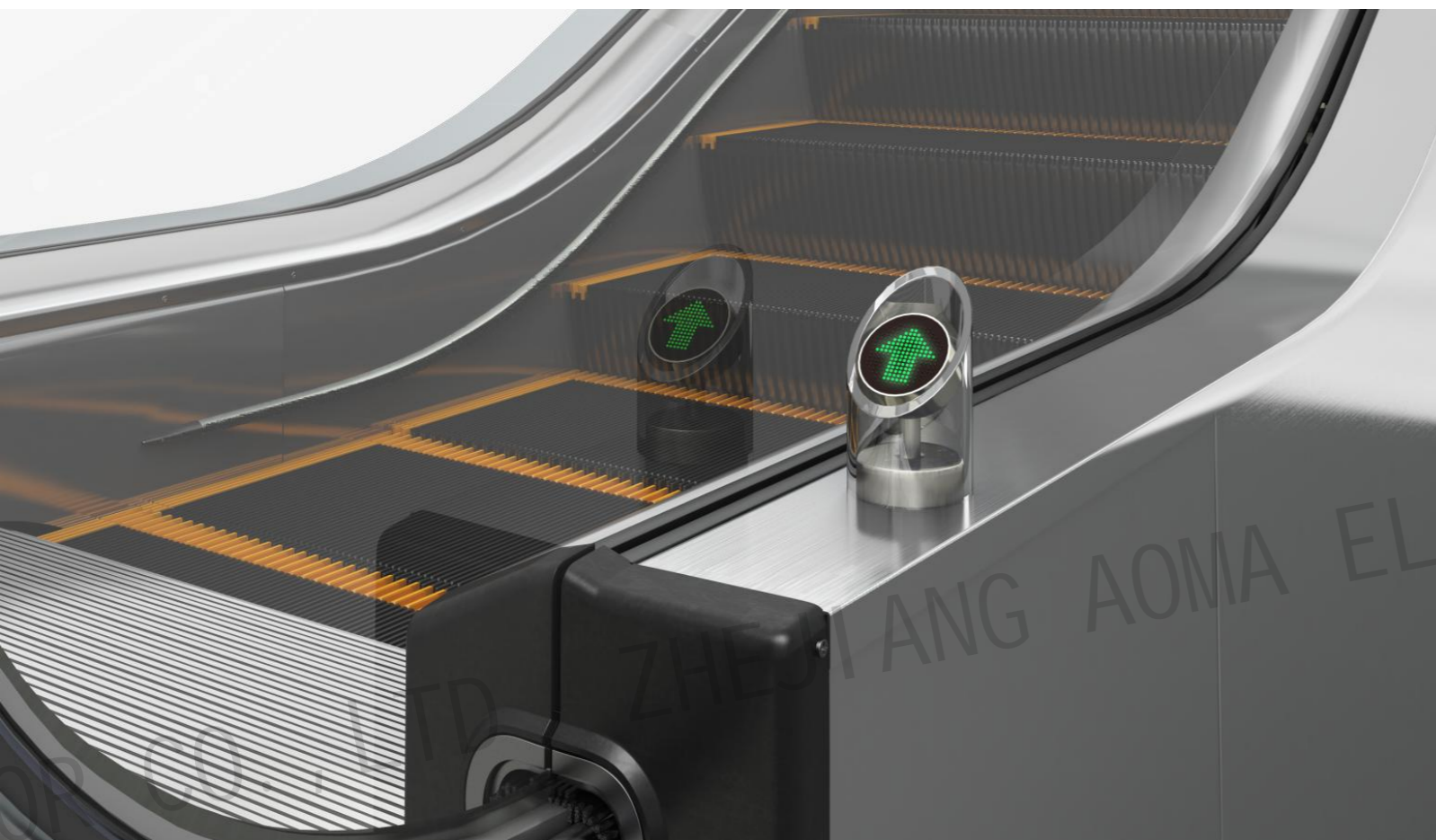
It is controlled by micro-computer.It gives lubricating signal within the set period. It automatically connects with hydraulic pump for oiling and lubrication.



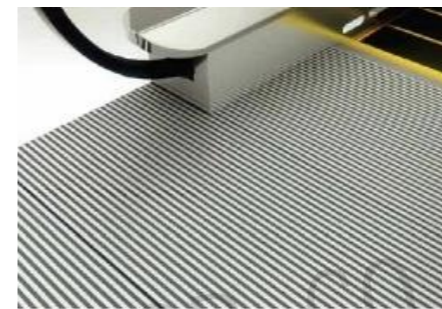
Antibiotic handrail

The antibiotic handrail can prevent pathogen transmission effectively and the ride be made in sage and sanitary environment.

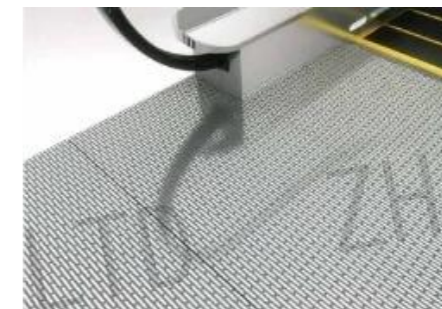




Landing plate



Aluminum alloy(standard)



Stainless steel(optional)

Handrail color



Black(standard)



Red(optional)



Orange(optional)



Coffee(optional)



Silver grey(optional)



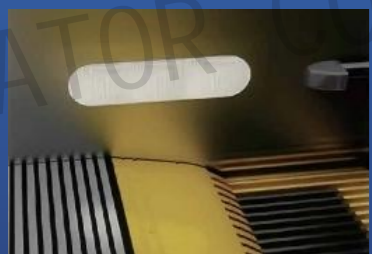
Blue(optional)

Personality configuration

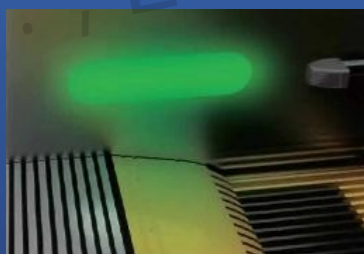
Decoration parts

Tailor-made splendor under your feet

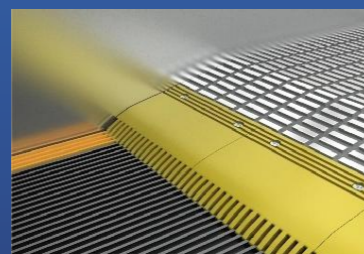
Comb lighting(optional)



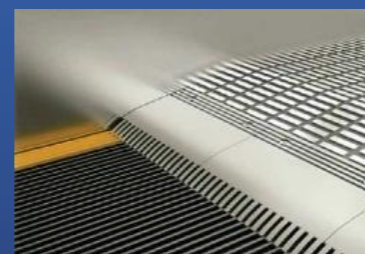
White LED



Green LED



Yellow plastic



Aluminum alloy

Comb

Inner/outer decking



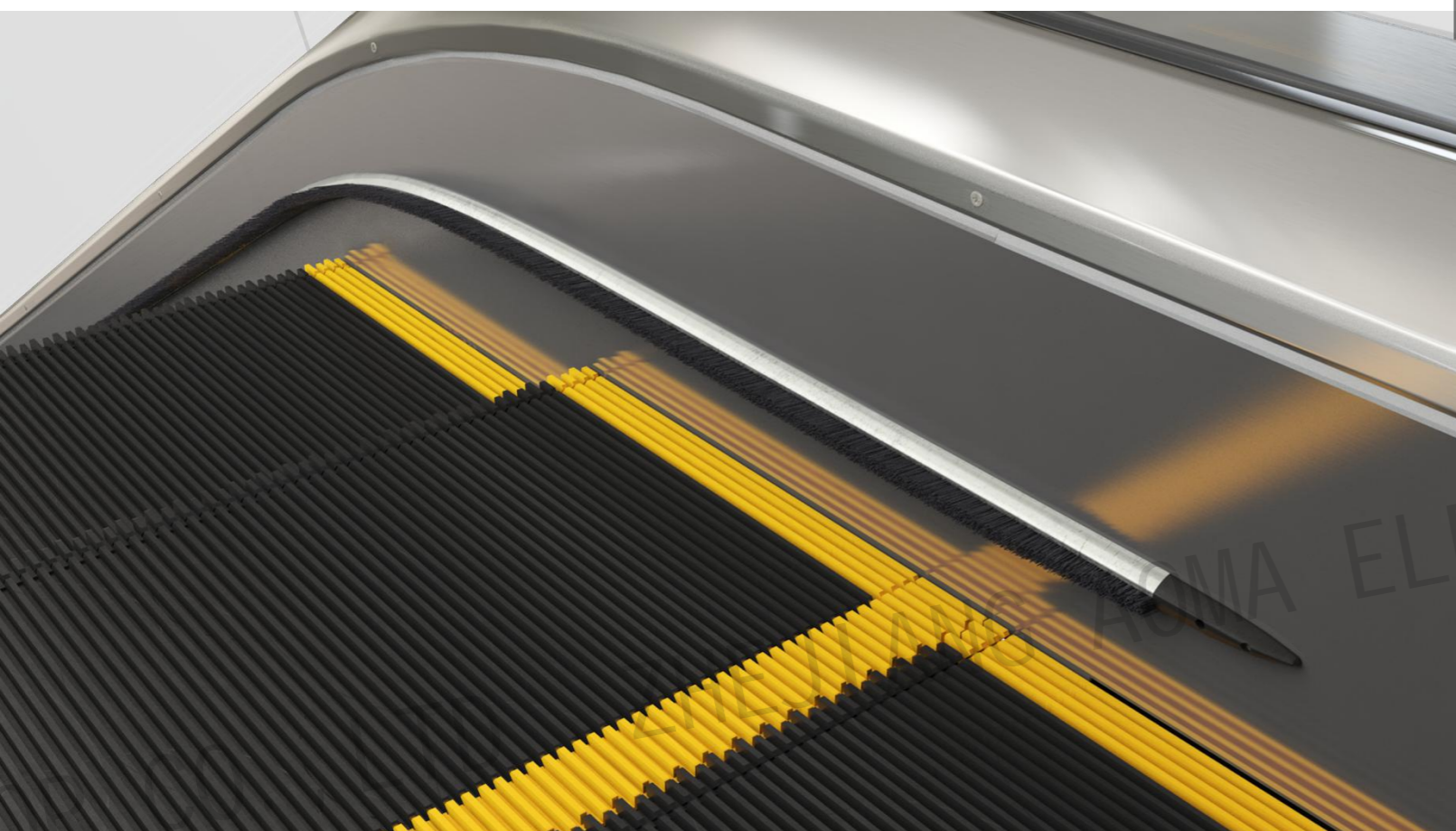
Stainless steel



Silver grey painted



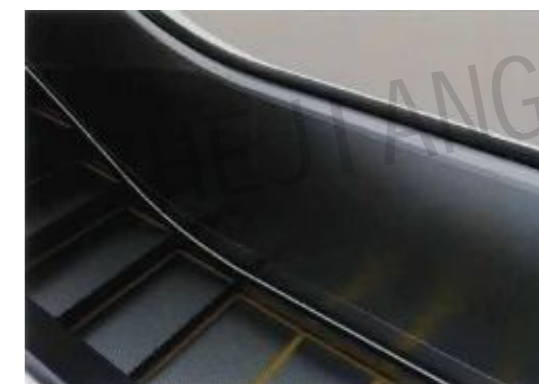
Beige painted



Balustrade panel



Tempered safety glass



Stainless steel

Cladding(optional)



Hairline stainless steel

Direction indicator(optional)



Step



Black stainless steel



Aluminum alloy

Skirt panel lighting(optional)



White(standard)



White(optional)



Yellow(standard)



Green(optional)

Safety Devices

Escalator



Moving walk



Standard Safety Device

1. Lack of phase,error phase protection: If lack of phase or error phase has been checked out, the escalator (auto-walk) will automatically stop the operation.	7. Broken drive-chain safety device: When the drive-chain has over-stretched or it is broken,the escalator(auto-walk) will automatically stop the operation.
2. Motor over-load protection: When the current exceeds 15% of the current rating,the escalator will automatically stop the operation.	8. Broken step chain protection: When the step(plate) chain has been over-stretched or it is broken, the escalator(auto-walk) will automatically stop the operation.
3. Electrical appliance loop protection: It offers the automatic circuit disconnecting device to protect the circuit and mains components of the escalator (auto-walk).	9. Over-speed protection: When there is over-speed to the escalator(auto-walk),it will automatically stop the operation.
4. Handrail inlet protection: When some foreign substance has been clipped in the handrail inlet, the escalator(auto-walk) will automatically stop the operation.	10. Direction reversal protection: When it comes the unintentional reversal of the direction of travel,the escalator(auto-walk) will automatically stop the operation.
5. Comb plate safety device: When some foreign substance has clipped in or between the combs,the escalator (auto-walk) will automatically stop the operation.	11. Security line: The yellow synthetic resin security line is located in the front position and two sides of the escalator tread so that the passengers will not tread in between the edge of the adjacent step and the left group lengthened skirt panel.The security line on both sides of the step is higher than the tread surface.(The auto-walk) offers the selective yellows pray-painted security line.)
6. Step sagging protection device: When there is abnormal step bending,the escalator(auto-walk) will stop the operation before the step entering into the comb plate.	12. Emergency stop button: When the button has been pressed down,the escalator(auto-walk)will stop the operation.

13. Skirt panel protection: When some foreign substance has been clipped in between the skirt panel and the step,the escalator (auto-walk) will automatically stop the operation.	16. Step lighting: The upper and lower ends of the escalator and the lower part of the steps are equipped with lighting to remind the passengers to pay attention to safety.
14. Brake protection: When the power is insufficient or any safety device operates, the braking device will make the braking function effective through the action of the spring force, so that the escalator (moving sidewalk) will stop running.	17. Activate the alarm bell device: When the escalator starts, an alarm will sound to remind passengers of safety.
15. Overhaul the safety switch: A safety device that prevents the escalator from starting during maintenance.	18. Handrail belt break protection device: When the handrail breaks, the escalator will stop running.

Optional Safety Device

19. Handrail speed monitoring: If the speed of the handrail is slower than a certain percentage of the step, the escalator (moving sidewalk) will stop running.	22. Drainage of the lower machine room: When the water in the lower machine room exceeds the standard, the automatic drainage system operates. (Outdoor type)
20. Apron board brush: Optional safety device. A brush is installed between the apron board and the steps so that the passenger's shoes will not touch the apron board (not limited to escalators).	23. Emergency brake: The drive chain is broken or the brake fails to prevent the escalator from sliding down to ensure the safety of personnel (must be equipped when 6m<H).
21. Fireproof rolling door device: When the device is active, the escalator (moving sidewalk) can be stopped, and the device is located near the escalator (moving sidewalk).	

Standard Function

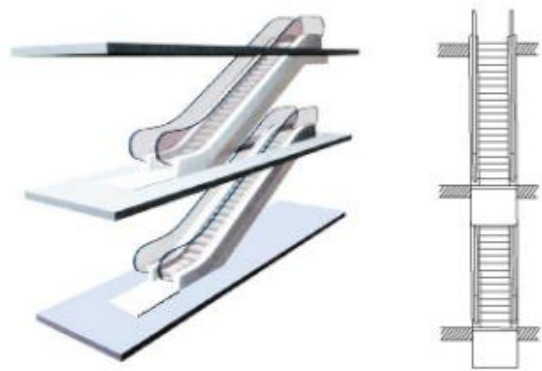
Standard Func.name	Function description
Static electricity protection	Eliminate static electricity raised from running of steps.
Emergency stop button	Push the emergency stop button to stop the escalator/moving walk against emergency raise.
Skirting protection	Protection against risk of foreign bodies being jammed into clearance between steps and skirting.
Handrail entry safety protection	Protection against risk of foreign bodies being jammed into handrail entry.
Drive chain break-down safety protection	Protection against risk of drive chains being breakage or undue elongation.
Over-speed protection	Protection against risk of speed being over 20% of rated speed.
Under-speed reversal protection	Protection against risk of speed less than 80% of rated speed.
Non-operation reversal protection	When the running direction of the steps and the handrail belt is opposite to the specified direction, it is protected.
Lack of phase,error phase protection	Protection against risk of phase failure.
Short circuit protection	Protection against risk of short circuit.
Over-load protection	Protection against risk of motor continually over-load.
Step sagging protection	Protection against risk of steps being breakage and sagging.
Broken step chain protection	Protection against risk of step chains being breakage or under elongation.
Comb teeth safety protection	Protection against risk of foreign bodies being trapped at the point when the step enter the comb.
Handrail speed and broken handrail monitor	It detects the handrail speed and monitors the broken handrail.
Skirting anti-clamp device	It sets protection brush in the skirting on both sides of the step.
Step missing detection	It detects the step missing in the stairway.
The brake opens the monitor switch	It monitors whether the brake opens or not in during the escalator running.
Handwheel and handwheel protection cover open safety	During the use of handwheel,when open the handwheel and the handwheel protection cover,the safety switch will cut the safety circuit against escalator running.
Floor-plate monitor switch	When the pit cover plate opens,it cuts off safety circuit and stops the escalator safety switch.
Monitor of brake distance	It monitors brake distance of the escalator and auto-walk.

Optional Function

Optional Func.name	Function description
Frequency converter	Using variable frequency drive control, it runs at high speed when there are people riding, and when there is no one, it automatically switches to low speed running, so as to achieve the purpose of energy saving and prolong the service life of the escalator.
Oil/water separator (suitable for outdoor type)	The oil and water of the escalator are separated, and the rainwater is automatically drained through the oil-water separator, and the oil stains settle down, and the oil stains need to be cleaned regularly, which mainly plays a role in environmental protection.
Comb illumination	Increase the brightness of the comb plate, which is convenient for passengers.
Intermittent operation (automatic start/stop)	The sensor hidden inside the new entrance can detect passengers entering the floor board and automatically start operation. When all passengers leave, it will automatically stop to save energy.
Running direction indicator	Turn around the high-brightness traffic lights at the upper and lower entrances to inform passengers that they are allowed to take the escalator in this direction.
Heating device	The upper part is not installed next to the main engine of the machine room. It mainly heats the upper part of the machine room, the middle part is installed in the middle of the escalator, and the lower part is installed in the lower machine room, which mainly heats the entire stairway.
Additional controller	When the escalator speed reaches 150% of the rated speed, or a non-operation reversal occurs, the escalator is reliably stopped.
Start, fault alarm bell warning	When the escalator starts, an alarm bell rings to remind passengers not to ride. When the escalator fails, the relevant personnel will be notified of the escalator failure.
Remote monitoring	Remote monitoring of the running status of the escalator through the communication line.
Handrail lighting system	The handrail lighting system decorates the escalator to make the escalator beautiful.

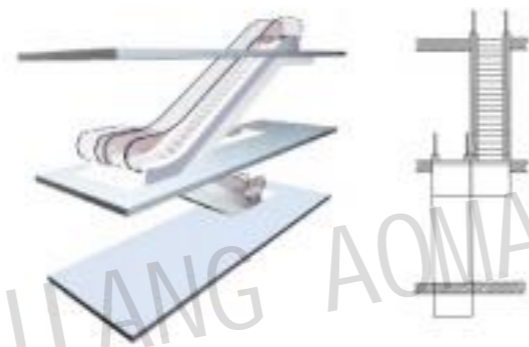
Perfect Layout

Interrupted arrangement
(one-way traffic)



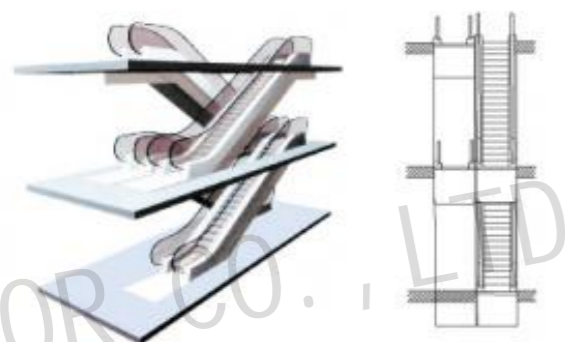
This arrangement will bring inconvenience to passengers to some extent, but it is beneficial to mall owners, because the space between the up or down escalator and the space between the escalators may allow customers to see the specially arranged advertising exhibits.

Continuous arrangement
(one-way traffic)



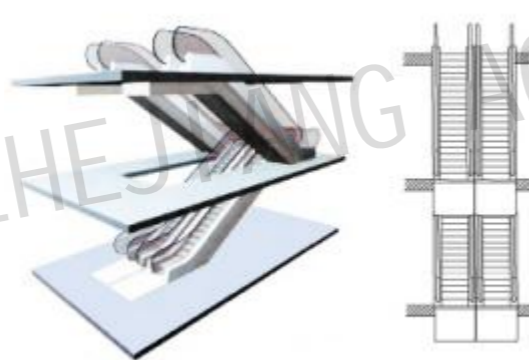
This arrangement is mainly used in small department stores with three consecutive sales floors. This arrangement requires more space than an intermittent arrangement.

Crisscross,continuous arrangement
(two-way traffic)



This arrangement is mainly used in large department stores, public buildings and public transportation places. The number of transportation between floors in these places should be kept as low as possible.

Parallel, interrupted arrangement
(two-way traffic)



This arrangement is mainly used in large department stores, public buildings and public transportation places. The number of transportation between floors in these places should be kept as low as possible.

Installation instructions

In addition to ensuring the various dimensions and requirements of the contract civil works, the following requirements should also be met.

In order to ensure the safe use of escalators and moving walks, a sufficiently large unobstructed area must be provided at the upper and lower entrances and exits. (See the minimum size drawing on the right)

C=Width in the handrail

Headspace safety distance

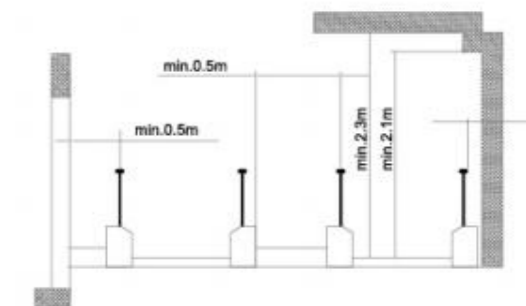
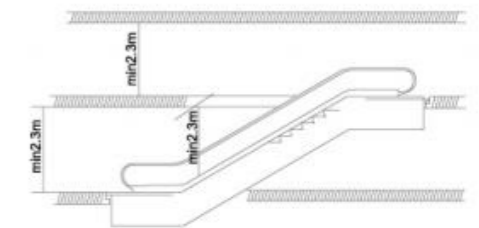
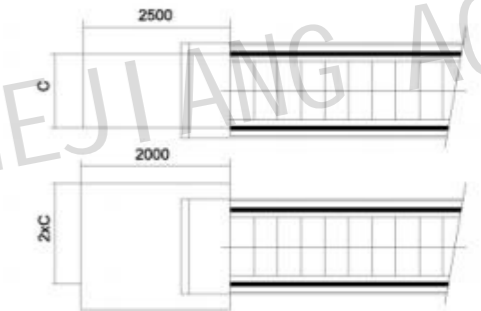
At any point on the steps/steps, there is a safety distance of at least 2.3 meters without any obstacles. Special attention: If the lifting height of one escalator on another escalator is less than 3.3 meters, it is impossible to reach the top of 2.3 meters. Empty safety distance.

The level of safety that must be guaranteed for the installation of escalators (moving sidewalks)

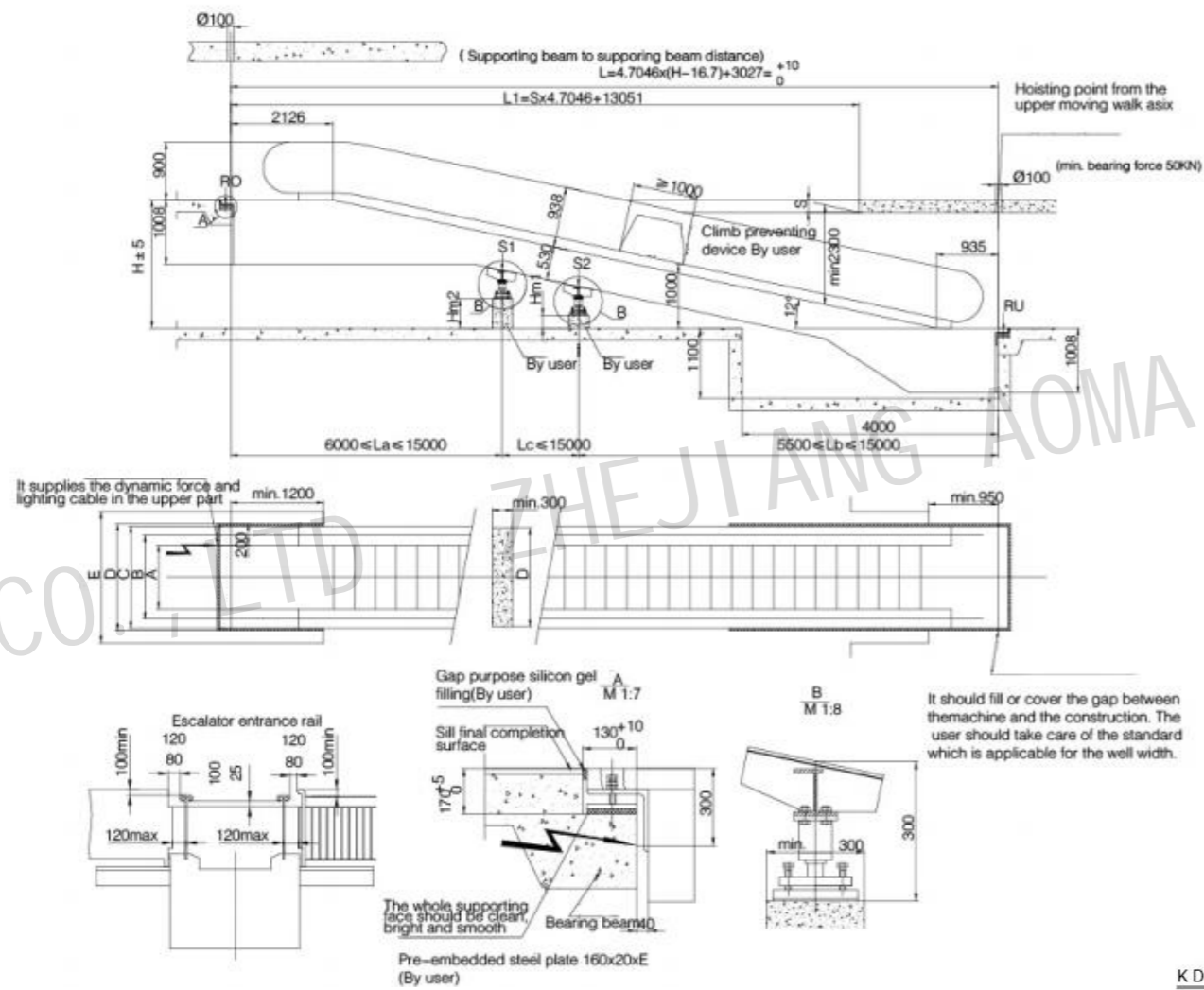
The horizontal safety distance from the outer edge of the handrail to the wall or other obstacles must be greater than 80mm.

The vertical safety distance above the step/step area must be greater than 2.3m.

For floor openings or escalator/moving walkway crossing arrangements, the horizontal safety distance from the center of the handrail to the obstacle must be greater than 0.5m. If the requirements are not met, special protective devices and anti-collision baffles shall be installed.

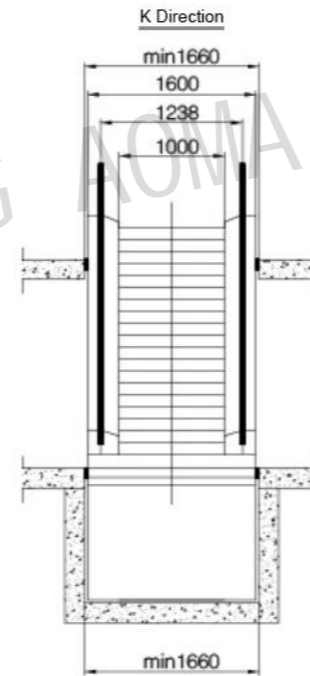


12° Moving walk drawing

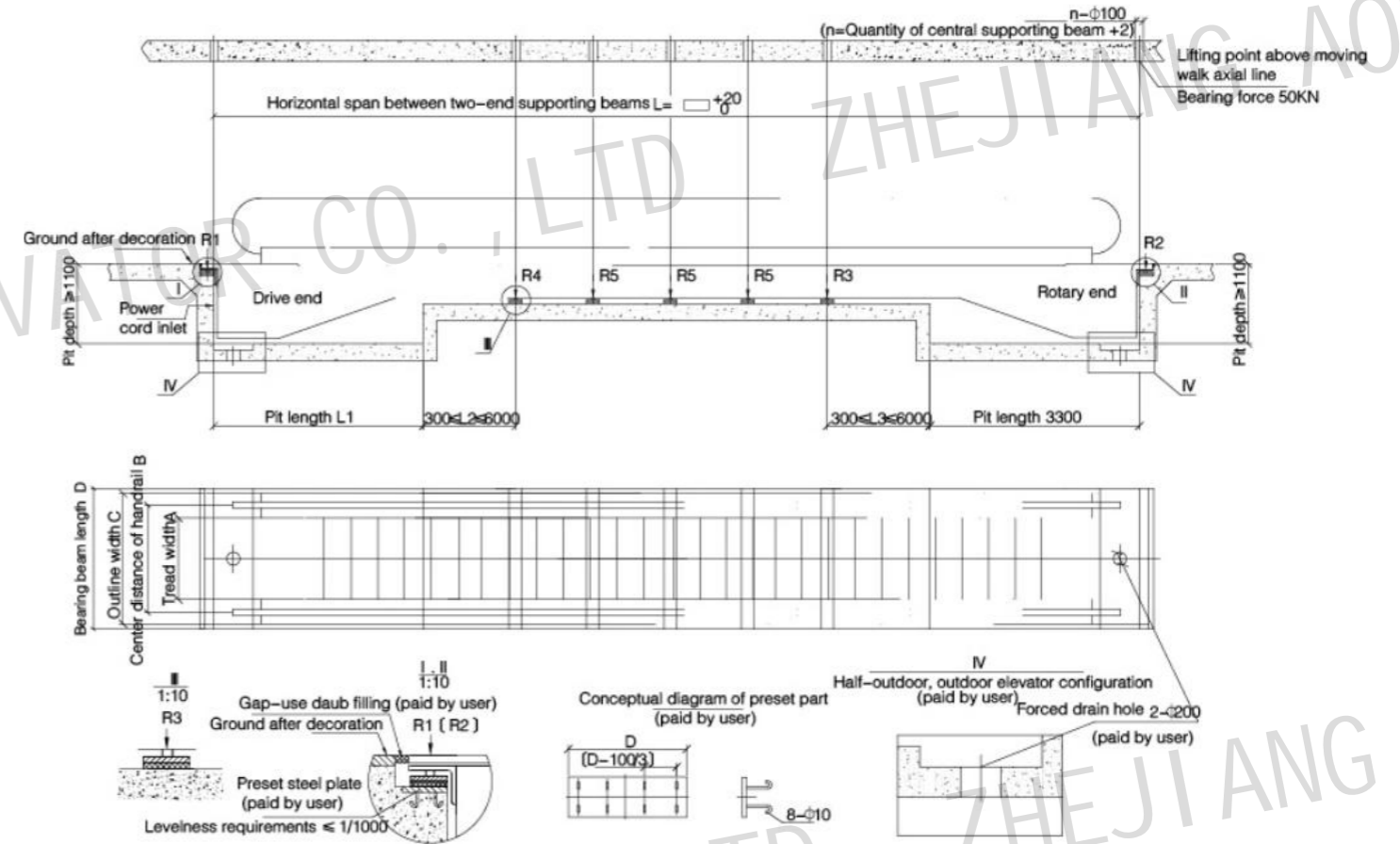


Building support force includes dynamic load (KN)		
No intermediate support	1 intermediate support	2 intermediate support
$Ro=0.0045XL+13$	$Ro=0.0045XL+13$	$Ro=0.0045XL+13$
	$Ru=0.0045XLb+7$	$Ru=0.0045XLb+7$
$Ru=0.0045XL+7$	$S1=0.00585X(La+Lb)$	$S1=0.00585X(La+Lc)$
		$S1=0.00585X(Lb+Lc)$

Traveling height		Intermediate support		La(mm)	Lb(mm)	Lc(mm)
From	To	S1	S2			
1601	2663	-	-	-	-	-
2664	4151	1	-	L-7000	7000	-
4152	5851	1	-	15000	L-15000	-
5852	6000	1	1	15000	7000	L-22000



0° Moving walk drawing



Pedal width	Intermediate support spacing	Counterforce (KN)					Motor power/rated current	
		R1	R2	R3	R4	R5	Conveying length	Motor power/rated current
1000	6000	40	34.5	62.5	63.5	48	10000~70000	70001~110000
	10000	38	34	78.5	79.4	79.4	8KW/18A	11KW/25A
800	6000	35	32	52	54	40	10000~80000	80001~110000
	1000	34	31	64.5	66.6	66.6	8KW/18A	11KW/25A

Tilt angle (α)	Speed (V)	Pedal width (A)	Handrail center distance (B)	Shape width (C)	Length of load-bearing beam
0-6°	0.5m/s	1000	1238	1600	≧ 1660
		800	1038	1400	≧ 1460



Service system

24-hour emergency repair service

VKS FUJI Elevator has set up a 24-hour customer hotline for emergency troubleshooting, and will provide you with service at the first time.

PROFESSIONAL SERVICE FOR LIFELONG TIME

With advanced technology, rich management experience and high-quality services, scientific maintenance and strict quality control of the products provided are carried out. Choosing VKS FUJI elevator means choosing a complete service system.

- **Certified installation team, efficient and standard installation process to ensure installation quality**
- **Customized maintenance plan based on customer demand, scientific and reasonable**
- **The customer service center provides consulting services 24 hours a day and responds quickly**
- **At each after-sales service station, the inventory of spare parts is checked regularly to ensure that the stock of elevator parts meets the local maintenance needs.**



Excellent quality



Professional team



Excellent service



Service line



Professional maintenance

