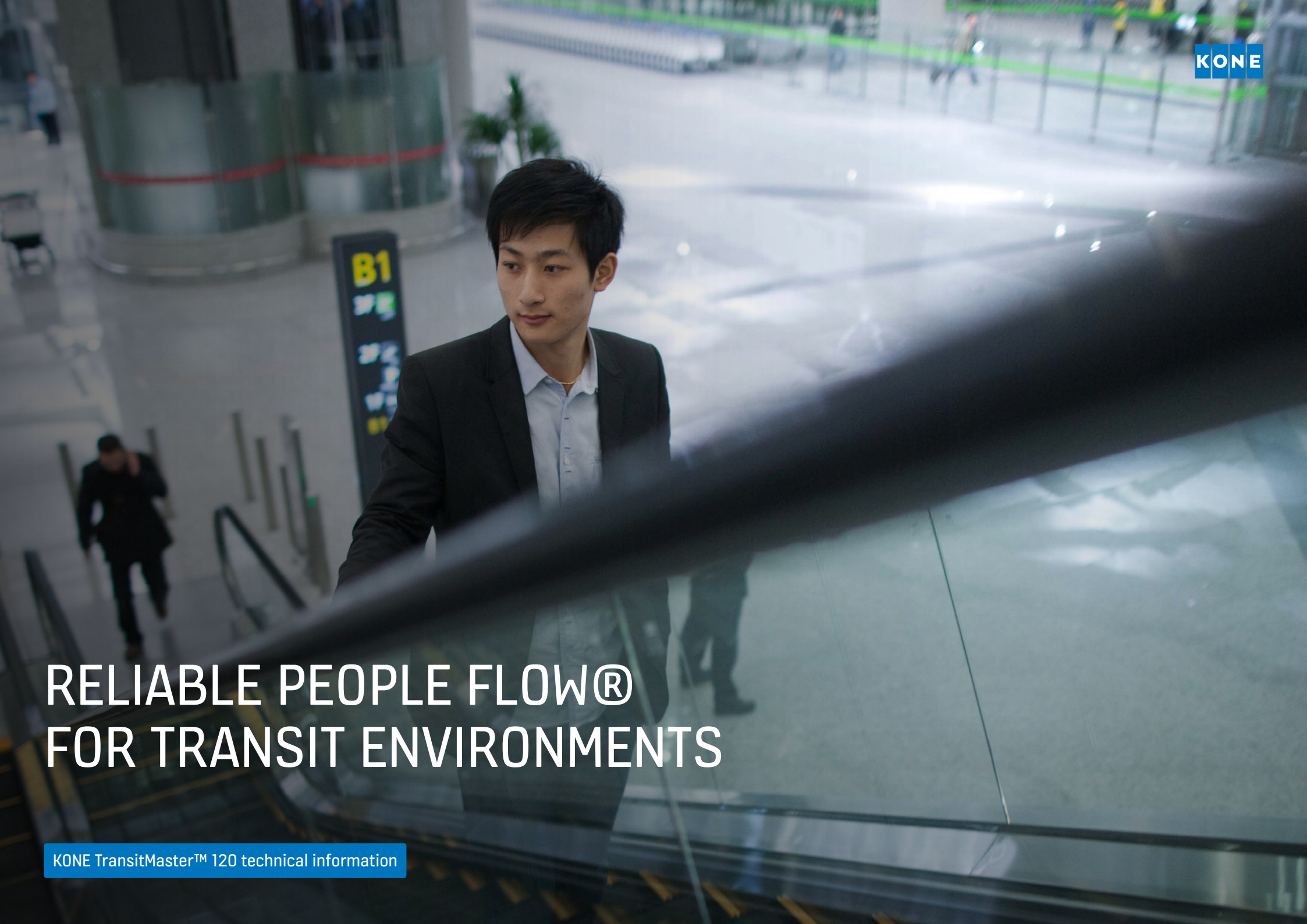


The background of the entire advertisement is a photograph of a man in a dark suit and light blue shirt walking down a modern transit escalator. The escalator has a glass railing and a black handrail. In the background, other people can be seen walking on the same escalator and on a platform. A sign with the letter "B1" is visible on the left side of the escalator. The overall scene is brightly lit, suggesting an indoor transit station.

RELIABLE PEOPLE FLOW® FOR TRANSIT ENVIRONMENTS

KONE TransitMaster™ 120 technical information

RELIABLE PEOPLE FLOW® FOR TRANSIT ENVIRONMENTS

The KONE TransitMaster™ 120 escalator is suitable for multiple segments, such as airports and public transportation networks like railways and metro systems. It can also be used in commercial environments with high load profiles or special requirements.

Environment	Indoor, semi-outdoor, outdoor
Vertical rise	up to 15 m
Inclination	27.3° / 30° / 35°
Group Arrangement	Single / Parallel / Criss Cross / Continuous
Step width	800 mm / 1000 mm
Speed	0.5 m/s, 0.65 m/s, 0.75m/s
Truss deflection	1/750 and 1/1000
Drive system type	Chain drive with worm gear Chain drive with helical gear TransVario chainless drive with planetary gear (TM120T)
Step chain type	Inside Roller 75 x 23.5 mm
Controller	KONE 501B KONE Standard Electrification (China only)
Power supply	50Hz / 380V / 220V 50Hz / 400V / 230V 50Hz / 415V / 240V 60Hz / 380V / 110V 60Hz / 220V / 110V 50Hz / 415V / 240V
Operation mode	Smart star-delta Standby speed with full or smart inverter Standby speed with full or smart inverter and/or automatic start/stop
Code compliance	EN115:1995+A1:1998+A2:2004 / EN115-1: 2008 +A1:2010 / EN115-1: 2017/GB16899-2011 Regional Codes available (Singapore, France, Russia, Hong Kong, UK, Australia, Taiwan)





KEY SPECIFICATIONS



Vertical rise
Up to 15 meters



Inclination
27.3°, 30° or 35°



Step width
800/1000mm



Balustrade height
900/1000/1100 mm



Speed
0.5 m/s, 0.65 m/s,
0.75 m/s



ISO Energy
performance class
A+++

Front Plate	Black plastic
	Stainless steel
Balustrade	Safety glass 10 mm
	Safety glass 12 mm
	Sandwich panels 10 mm
	Laminated glass 12 mm
	Inclined solid balustrade in stainless steel*
Balustrade height	900 mm / 1000 mm / 1100 mm
Decking	Brushed satin stainless steel
	Powder coating silver
	Natural anodized aluminum
Skirt	2 mm or 3 mm stainless steel
	2 mm or 3 mm sheet steel
Access cover	Ribbed aluminum natural color
	Ribbed aluminum with black grooves
	Stainless steel with punched pattern, no painting
	Stainless steel with punched pattern, black painting
Cladding	Hairline stainless steel
	Powder coated sheet steel (grey, white, orange, pearl, beige)
	Painted sheet steel grey (RAL7036)
	Glass
	Fitted by the customer
Steps	Silver painted aluminum (Grinded surface R10)
	Black painted aluminum (Grinded surface R10)
	Natural aluminum (Grinded surface R10)
	Black stainless steel with yellow or black demarcation
	Grey stainless steel with yellow or grey demarcation
Step demarcation	Without color demarcation
	Yellow painted on 3 sides and/or in the center (RAL1004)
	Yellow plastic insert on 3 sides (RAL 1023)
	Yellow plastic insert on 3 sides (RAL1023) and yellow painted demarcation in the center (RAL1004)
Comb segment	Aluminum
	Aluminum with yellow plastic inlay (RAL1023)
	Aluminum with yellow coating (RAL 1023)
Handrail lighting	LED continuous light - different colors or multicolor RGB
Skirt lighting	LED continuous light - different colors or multicolor RGB
	LED spot
Comb lighting	LED static light - different colors
	LED flashing light - different colors
Traffic lights	LED arrows
	LED cube
	LED road sign
Understep lighting	LED green light
Soffit lighting	LED continuous light - different colors or multicolor RGB
	LED spot, white color, 1 or 2 rows
Cove lighting	LED continuous light - different colors or multicolor RGB

* some solutions may not be available for inclined solid balustrade

SAFETY = PEACE OF MIND

KONE 24/7 CONNECTED SERVICES

help you to see the status of the escalator in real time to ensure safe operation.



KONE HANDRAIL SANITIZER

The UV light solution hidden inside the escalator gradually disinfects the handrails.



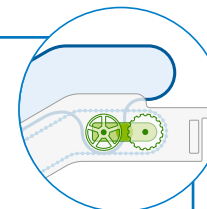
KONE HANDRAIL SANITIZER PREMIUM

This stylish device provides premium safety and handrail cleanliness with effective triple-cleaning technology: brush, liquid and UV light.



TRANSVARIO DRIVE

Chainless connections between motor, main shaft and handrail drive synchronize step band and handrail movement, minimizing the risk of the step band getting loose.



FIRE SAFETY

maximized with halogen-free cables.

DOUBLE SKIRT BRUSHES

reduce entrapment risk even further.

SKIRT PANELS

are coated with an anti-friction coating to minimize drag and reduce the possibility of entrapment between skirt and steps.

EXTRA VISUAL GUIDANCE

Traffic signalization, skirt lighting, yellow comb segment and step demarcations provide extra visual guidance to help passengers have a smoother, safer ride.

COMB PLATE IMPACT DEVICE SWITCHES

minimize the risk of entrapment in comb plate areas.

ANTI SLIP REQUIREMENT

R10 anti-slip grade step surface reduces the chance of passengers slipping.

FALL PROTECTION AND ANTI-RIDE BARRIERS

increase passenger protection and prevent falls and misuse of the unit.

AUDIBLE ALARMS

provide clear guidance on escalator travel directions and increase users attention.



REDUCED ENVIRONMENTAL IMPACT

Installing an eco-efficient KONE escalator solution can help in achieving green building accreditations such as LEED or BREEAM certification.

BREEAM CERTIFICATION

One credit can be achieved by fulfilling the following requirement:

The equipment is fitted with a passenger-sensing device for automated operation, so it operates in standby mode when there is no passenger demand.

LEED CERTIFICATION

KONE solutions can contribute to several LEED certification categories.

KONE RECOGNIZED AS A TOP PERFORMER IN 2020 CDP CLIMATE-CHANGE REPORTING

We are proud to once again be among the top performers in CDP climate-change reporting with a score of A for 2020.

KONE has received an A or A- score for eight consecutive years.

KONE RANKED AMONG THE TOP 100 MOST SUSTAINABLE COMPANIES IN THE WORLD

- KONE ranked 32nd in Corporate Knights' 2020 Global 100 Most Sustainable Corporations in the World.
- 2nd among its global category peers in "Machinery Manufacturing."
- The only elevator and escalator industry company in the Top 100 ranking.
- Top performer in environmental performance and social responsibility, such as employee retention and gender diversity.
- The Global 100 ranking is based on a rigorous analysis of 7,500 companies with revenues of over USD 1 billion.

ECO-EFFICIENT ESCALATOR

KONE TransitMaster™ 120 has achieved an A+++ energy performance rating based on ISO standard.

5 WAYS TO MAKE YOUR ESCALATOR MORE ECO-EFFICIENT

- The KONE TransVario chainless drive system will help you to reduce energy cost as well as CO2 emissions thanks to transmission optimization. It also reduces the need for oil, because oil remains inside the drive system.
- High efficiency motors minimize energy consumption at full speed.
- Lubrication-free step chain means no oil, a cleaner escalator and environment, reduced fire hazard, simpler cleaning and easier maintenance.
- Long-lasting LED lighting is up to 80% more efficient than fluorescent lighting and lasts up to 10 times longer.
- Eco-efficient operational modes save energy by slowing down or stopping the escalator completely when traffic is low. For example, when an escalator is empty, energy consumption is further reduced by slow stand-by speed and furthermore by stopping the escalator.

FLEXIBILITY TO MATCH YOUR BUILDING REQUIREMENTS

KONE TransitMaster™ 120 is an escalator designed for demanding environments such as airports, train stations and commercial spaces. It is engineered to elevate the passenger experience through a combination of safety and esthetics.

Seismic Provisions

For seismic environments a full complement of different mountings is available, to guard against even the strongest conditions.

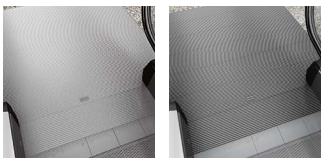
Flexible Features

KONE TransitMaster™ 120 escalators are designed to answer all your needs. KONE engineering capabilities will help you to meet your specifications in the best possible way.

Tailor-Made Possibilities

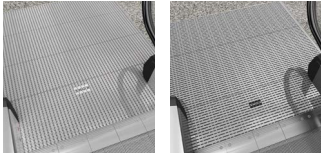
KONE is always ready to help you realize your architectural vision with a customized solution that meets the needs of your premises.

ACCESS COVERS



Ribbed aluminum natural color

Ribbed aluminum with black grooves



Stainless steel surface, black paint

Stainless steel surface, no paint

SKIRTING

SKIRT BRUSH HOLDER



Black anodized aluminum

Clear anodized aluminum

Clear anodized aluminum, double brushes

SKIRT



Brushed stainless steel skirt with clear anti-friction coating

Sheet steel skirt with black anti-friction coating

HANDRAILS

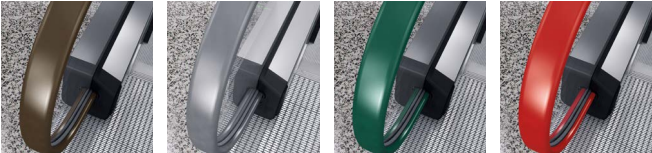


Beige

Black

Black with white dots

Blue



Brown

Gray

Green

Red

STEPS

STEP DEMARCATION



Yellow painted on 3 sides (RAL1004)

Yellow plastic insert on 3 sides (RAL 1023)

Yellow plastic insert on 3 sides (RAL1023) and yellow painted demarcation in the center (RAL1004)

Yellow painted on 3 sides and in the center (RAL1004)

STEP COLOR



Natural color aluminum

Silver painted aluminum

Black painted aluminum

Stainless steel black

Stainless steel grey

BALUSTRADE



Balustrade extension



Safety or laminated Glass



Sandwich Panels



Inclined solid balustrade in stainless steel

DECKING



Brushed satin stainless steel



Natural anodized aluminum



Silver powder coating (RAL9007)



Center decking (parallel arrangement)

DISPLAY



Diagnostic display

LIGHTING

LED HANDRAIL LIGHTING



Blue



Green

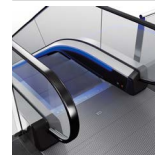


White

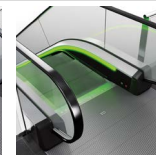


Red

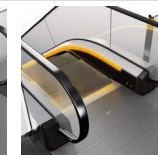
LED SKIRT LIGHTING



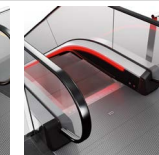
Blue



Green



Orange



Red

LED SKIRT SPOT LIGHTING



White

FRONT PLATE

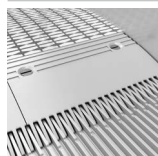


Black plastic

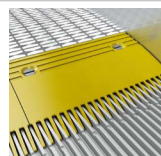


Stainless steel

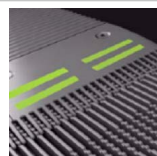
COMB



Aluminum comb segments



Aluminum comb with yellow coating

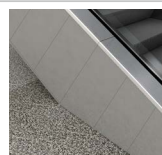


Aluminum comb with yellow plastic inlay (RAL1023)

CLADDING



Hairline stainless steel



Powder coated sheet steel (grey, white)



Painted sheet steel grey (RAL7036)

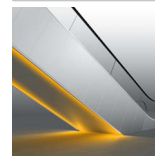


Glass



Fitted by the customer

LED COVE LIGHTING



Soffit cladding



Side cladding

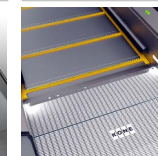


Side and soffit cladding



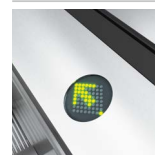
Soffit LED spotlighting

COMB LIGHTING



LED comb lighting (white)

ADDITIONAL LIGHTING



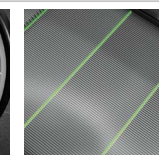
LED traffic light arrow in the decking



LED traffic light cube



LED traffic light road sign



Understep lighting green

KONE provides innovative and eco-efficient solutions for elevators, escalators, automatic building doors and the systems that integrate them with today's intelligent buildings. We support our customers every step of the way: from design, manufacturing and installation to maintenance and modernization. KONE is a global leader in managing the smooth flow of people and goods throughout buildings. This makes us a reliable partner throughout the life cycle of buildings. We are fast, flexible, and we have a well-deserved reputation as a technology leader, with such innovations as KONE 24/7 Connected Services and KONE UltraRope®. KONE employs over 60,000 dedicated experts to serve you globally and locally.

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