

A man in a dark suit and light blue shirt is walking down a modern glass and metal escalator. The background shows a busy transit station with other people and a sign that says "B1".

RELIABLE PEOPLE FLOW® FOR TRANSIT ENVIRONMENTS

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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	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 / 400V / 220V
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	EN115-1: 2017





KEY SPECIFICATIONS



Vertical rise
Up to 15 meters



Inclination
27.3°, 30° or 35°



Step width
1000mm



Balustrade height
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
	Stainless steel laminate panels 10 mm
	Laminated glass 12 mm
	Inclined solid balustrade in stainless steel*
Balustrade height	1000 mm / 1100 mm
Decking	Brushed satin stainless steel
	Powder coating silver
	Natural anodised aluminium
Skirt	2 mm or 3 mm stainless steel
	2 mm or 3 mm sheet steel
Access cover	Ribbed aluminium natural colour
	Ribbed aluminium with black grooves
	Stainless steel with embossed pattern, no painting
	Stainless steel with embossed 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 aluminium (Ground surface R10)
	Black painted aluminium (Ground surface R10)
Step demarcation	Without colour demarcation
	Yellow painted on 3 sides and/or in the centre (RAL1004)
	Yellow plastic insert on 3 sides (RAL 1023)
Comb segment	Aluminium
	Aluminium with yellow plastic inlay (RAL1023)
	Aluminium with yellow coating (RAL 1023)
Handrail lighting	LED continuous light - different colours or multicolour RGB
Skirt lighting	LED continuous light - different colours or multicolour RGB
	LED spot
Comb lighting	LED static light - different colours
	LED flashing light - different colours
Traffic lights	LED arrows
	LED cube
	LED road sign
Understep lighting	LED green light
Soffit lighting	LED continuous light - different colors or multicolour RGB
	LED spot, white colour, 1 or 2 rows
Cove lighting	LED continuous light - different colors or multicolour 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 SANITISER

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



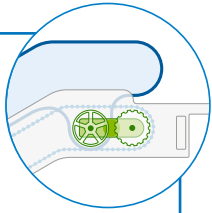
KONE HANDRAIL SANITISER PREMIUM

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 synchronise step band and handrail movement, minimising the risk of the step band getting loose.



FIRE SAFETY

maximised with halogen-free cables.

DOUBLE SKIRT BRUSHES

reduce entrapment risk even further.

COMB PLATE IMPACT DEVICE SWITCHES

minimise the risk of entrapment in comb plate areas.

ANTI SLIP REQUIREMENT

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

SKIRT PANELS

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

FALL PROTECTION AND ANTI-RIDE BARRIERS

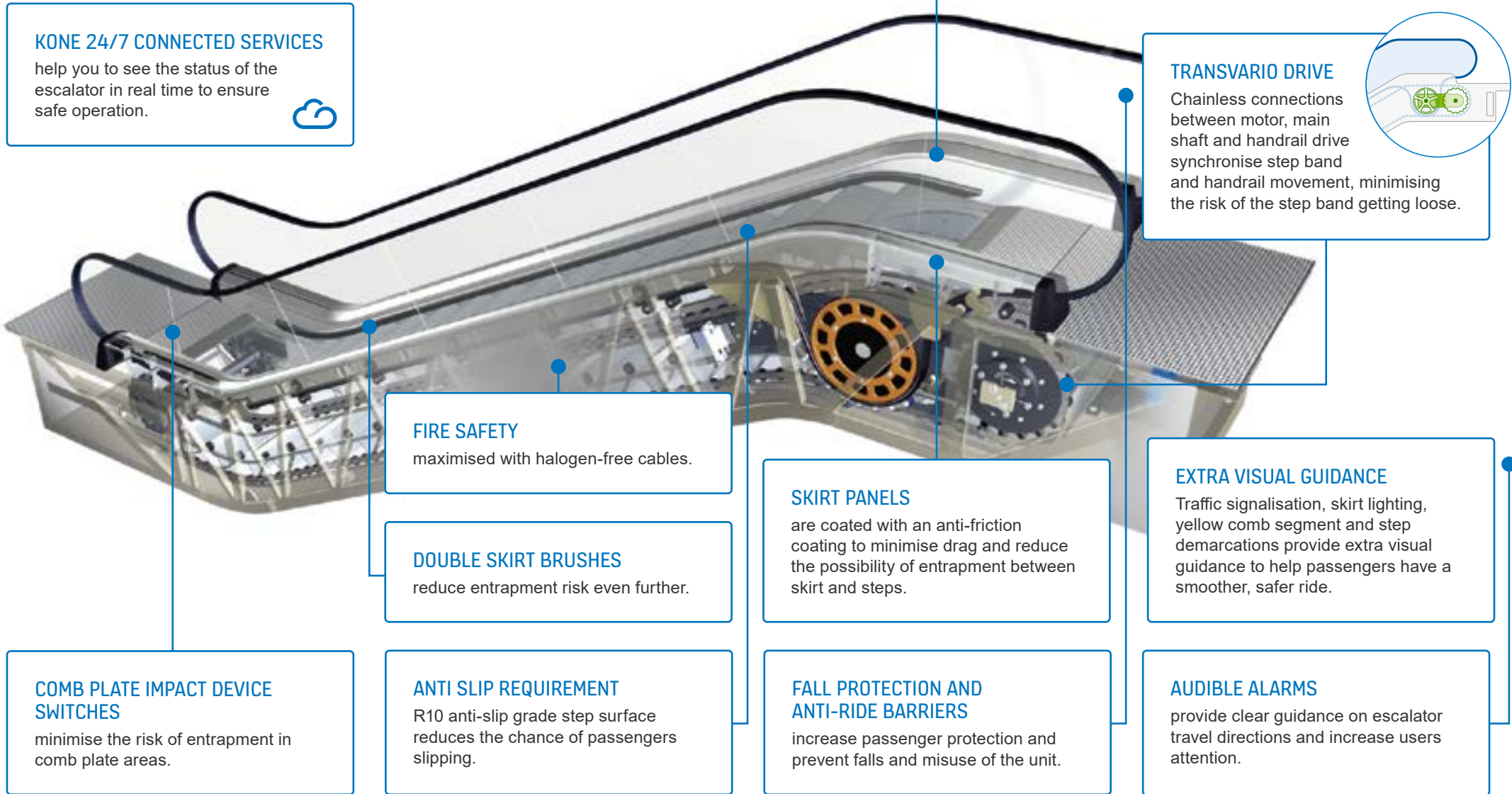
increase passenger protection and prevent falls and misuse of the unit.

EXTRA VISUAL GUIDANCE

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

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 one of the following requirements:

Escalator is fitted with a load-sensing device that synchronises motor output to passenger demand through a variable speed drive OR

Escalator is fitted with a passenger-sensing device for automated operation (auto walk), so the escalator operates in auto start 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 lift 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 minimise 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.

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 customised solution that meets the needs of your premises.

ACCESS COVERS



Ribbed aluminium natural colour

Ribbed aluminium with black grooves



Stainless steel surface, black paint

Stainless steel surface, no paint

SKIRTING

SKIRT BRUSH HOLDER



Black anodized aluminium

Clear anodized aluminium

Clear anodized aluminium, 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

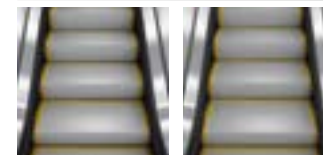
Gray

Green

Red

STEPS

STEP DEMARCATION



Yellow painted on 3 sides (RAL1004)

Yellow plastic insert on 3 sides (RAL 1023)

STEP COLOUR



Black painted aluminium

Silver painted aluminium

BALUSTRADE



Balustrade extension

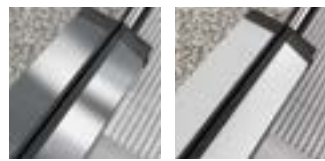
Safety or laminated Glass



Stainless steel laminate Panels

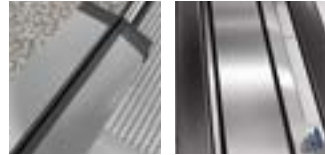
Inclined solid balustrade in stainless steel

DECKING



Brushed satin stainless steel

Natural anodized aluminium



Silver powder coating (RAL9007)

Centre decking (parallel arrangement)

DISPLAY



Diagnostic display

LIGHTING

LED HANDRAIL LIGHTING



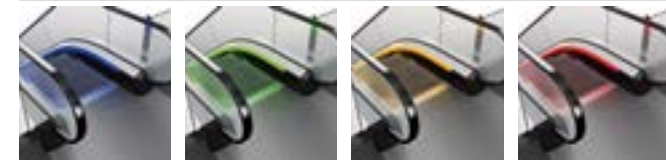
Blue

Green

White

Red

LED SKIRT LIGHTING



Blue

Green

Orange

Red

LED SKIRT SPOT LIGHTING



White

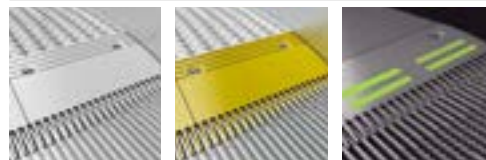
FRONT PLATE



Black plastic

Stainless steel

COMB



Aluminium comb segments

Aluminium comb with yellow coating

Aluminium comb with yellow plastic inlay (RAL1023)

CLADDING



Hairline stainless steel

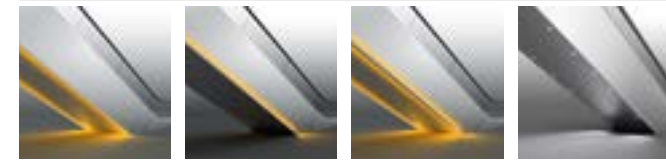
Powder coated sheet steel (grey, white, orange, pearl beige)

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 lifts, escalators, loading bays, 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 modernisation. KONE is a global leader in helping our customers manage the smooth flow of people and goods throughout their buildings.

Our commitment to customers is present in all KONE solutions. This makes us a reliable partner throughout the life cycle of the building. We challenge the conventional wisdom of the industry. We are fast, flexible and we have a well-deserved reputation as a technology leader, with such innovations as KONE MonoSpace® DX, KONE NanoSpace™ and KONE UltraRope®.

KONE employs close to 57,000 dedicated experts to serve you globally and locally.

* not available in Ireland

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