

The background of the entire page is a photograph of a man in a dark suit and light blue shirt riding an escalator. He is looking towards the camera with a neutral expression. The escalator has a glass railing and a dark handrail. In the background, other people can be seen walking on a platform, and a sign with the letter "B1" is visible. The lighting is cool and modern, typical of a transit station.

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	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
Operation mode	Standby speed with full or smart inverter Standby speed with full or smart inverter and/or automatic start/stop
Code compliance	AS1735.5.1:2019 / EN115-1: 2017





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
	Premium cladding stainless steel with any RAL color
	Premium cladding sheet steel with any RAL color
	Fitted by the customer
Steps	Silver painted aluminum (Grinded surface R10)
	Black painted aluminum (Grinded surface R10)
	Natural aluminum (Grinded surface R10)
Step demarcation	Without color demarcation
	Yellow painted on 3 sides and/or in the center (RAL1004)
Comb segment	Aluminum
	Aluminum with yellow plastic inlay (RAL1023)
	Aluminum with yellow coating (RAL 1023)
Handrail lighting	LED continuous light - white
	KONE Design Lighting – flexible and modifiable RGBW LED lights for every occasion
Skirt lighting	LED continuous light - white
	LED spot
	KONE Design Lighting – flexible and modifiable RGBW LED lights for every occasion
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

* 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.



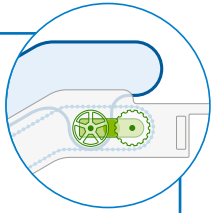
KONE HANDRAIL SANITIZER PREMIUM

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, 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

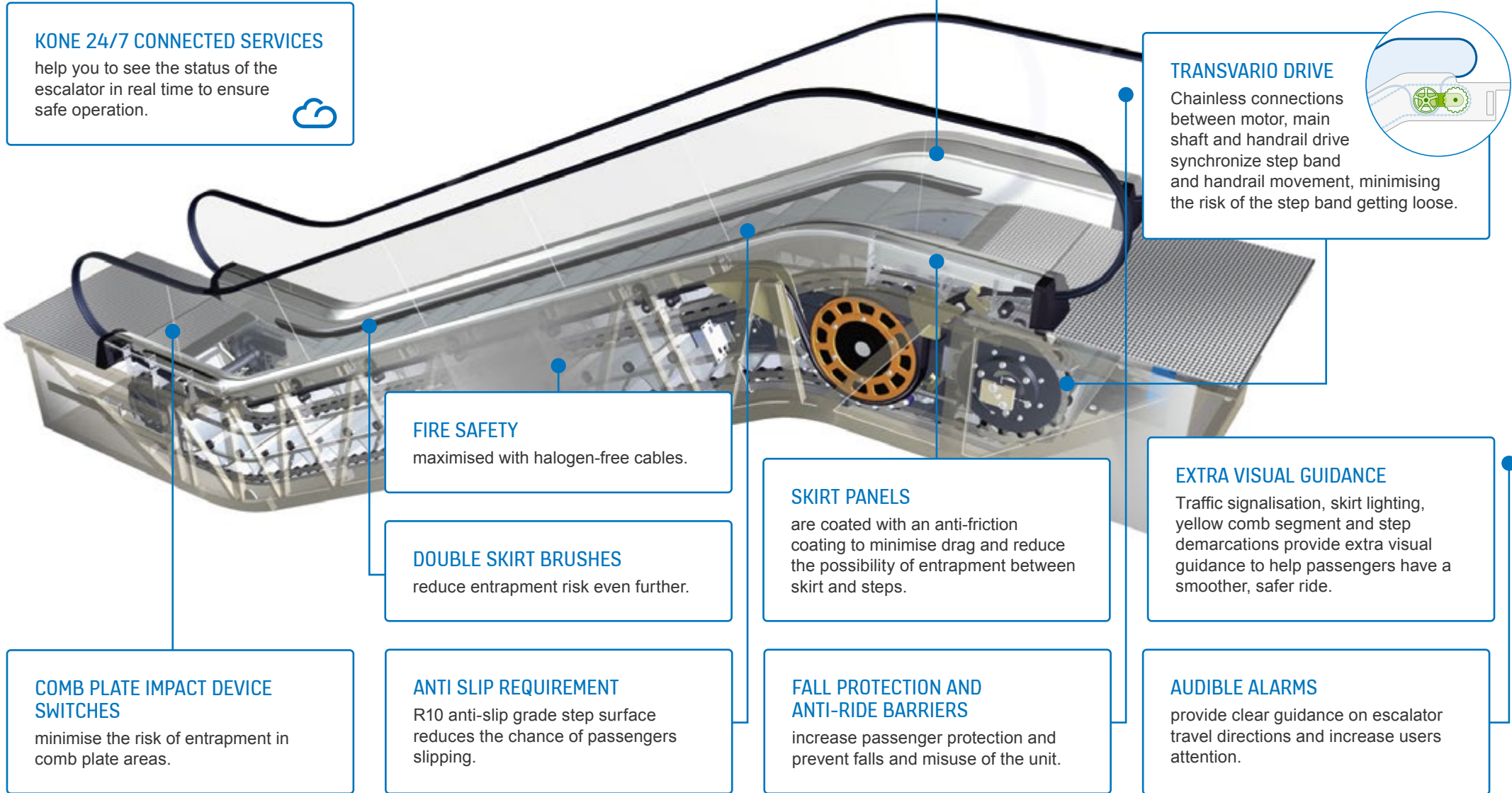
increase passenger protection and prevent falls and misuse of the unit.

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.



ESCALATOR SUSTAINABILITY

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.

ECO-EFFICIENT ESCALATOR

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

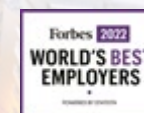
5 WAYS TO MAKE YOUR ESCALATOR MORE ECO-EFFICIENT

- The KONE TransVario chainless drive system will help you to reduce energy cost as well as CO2 emissions thanks to transmission optimisation. 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.

KONE holds the EcoVadis Gold medal for its sustainability performance, being in the top 3% of all the assessed companies. The **EcoVadis** rating covers a broad range of non-financial management systems including environmental, labor and human rights, ethics, and sustainable procurement impacts.

KONE has been recognized by CDP for its actions towards reducing emissions, mitigating climate risks, and developing a low-carbon economy. KONE achieved a place on **CDP's prestigious A List** signifying that we rank among a small number of high performers.

KONE has been recognised as one of the best employers in the world by Forbes business magazine on their **Forbes 2022 World's Best Employers list**.



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

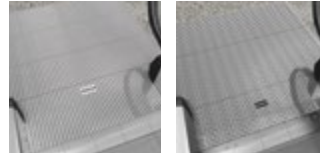
KONE is always ready to help you realize your architectural vision with a customised solution that meets the needs of your premises.

ACCESS COVERS



Ribbed aluminum natural color

Ribbed aluminum with black grooves

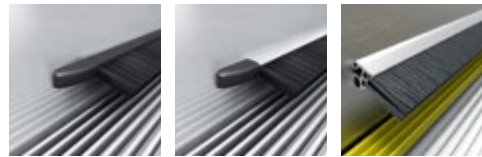


Stainless steel surface, black paint

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



Black

Black with white dots

Blue

Beige



Brown

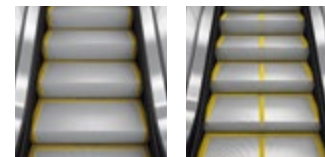
Gray

Green

Red

STEPS

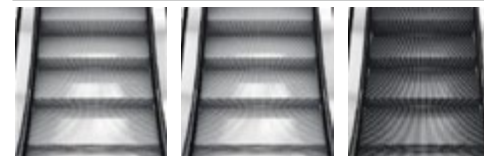
STEP DEMARCATION



Yellow painted on 3 sides (RAL1004)

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

STEP COLOR

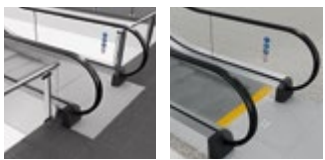


Natural color aluminum

Silver painted aluminum

Black painted aluminum

BALUSTRADE



Balustrade extension

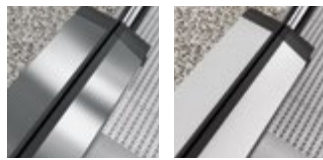
Safety or laminated Glass



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

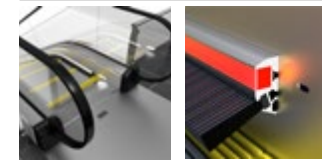
LED HANDRAIL LIGHTING



White

KONE Design Lighting, handrail

LED SKIRT LIGHTING



White

KONE Design Lighting, skirt

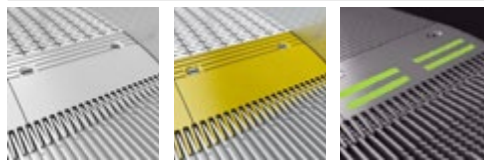
FRONT PLATE



Black plastic

Stainless steel

COMB



Aluminum comb segments

Aluminum comb with yellow coating

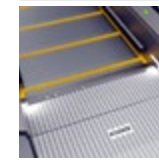
Aluminum comb with yellow plastic inlay (RAL1023)

LED SKIRT SPOT LIGHTING



White

COMB LIGHTING



LED comb lighting (white)

CLADDING



Premium cladding stainless steel or sheet steel with any RAL color

Hairline stainless steel

Powder coated sheet steel (grey, white)

Painted sheet steel grey (RAL7036)

Glass

Fitted by the customer

ADDITIONAL LIGHTING



LED traffic light arrow in the decking

LED traffic light cube

LED traffic light road sign

Understep lighting green

KONE OFFICES

AUSTRALIA

ACT Canberra and South West Ph +61 2 6123 2600

NSW Sydney Ph +61 2 9577 7000
Newcastle and North Coast Ph +61 2 4949 3333

QLD Brisbane Ph +61 7 3270 1810
Cairns Ph +61 7 3270 1810
Gladstone Ph +61 7 3270 1810
Gold Coast Ph +61 7 3270 1810
Sunshine Coast Ph +61 7 3270 1810
Townsville Ph +61 7 3270 1810

NT Darwin Ph +61 8 8941 4047

WA Perth Ph +61 8 9270 9000

SA Adelaide Ph +61 8 8130 3800

TAS Hobart Ph +61 3 6231 2045

VIC Melbourne Ph +61 3 9934 8000

www.kone.com.au

NEW ZEALAND

NTH Auckland Ph +64 9 361 9000
Wellington Ph +64 4 381 4330

STH Christchurch Ph +64 3 338 3900
Dunedin Ph +64 3 477 5627

www.kone.co.nz

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