

Reliable People Flow® for transit environments

KONE TransitMaster™ 120

Dedicated to People Flow™

Reliable People Flow for transit environments

With over 110 years of experience and a strong track record in safety, KONE is your trusted partner, dedicated to ensuring smooth and safe People Flow. KONE escalators and autowalks use our proven, reliable technology designed to meet the wide-ranging needs of different buildings worldwide.

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

01 Industry-leading reliability and quality

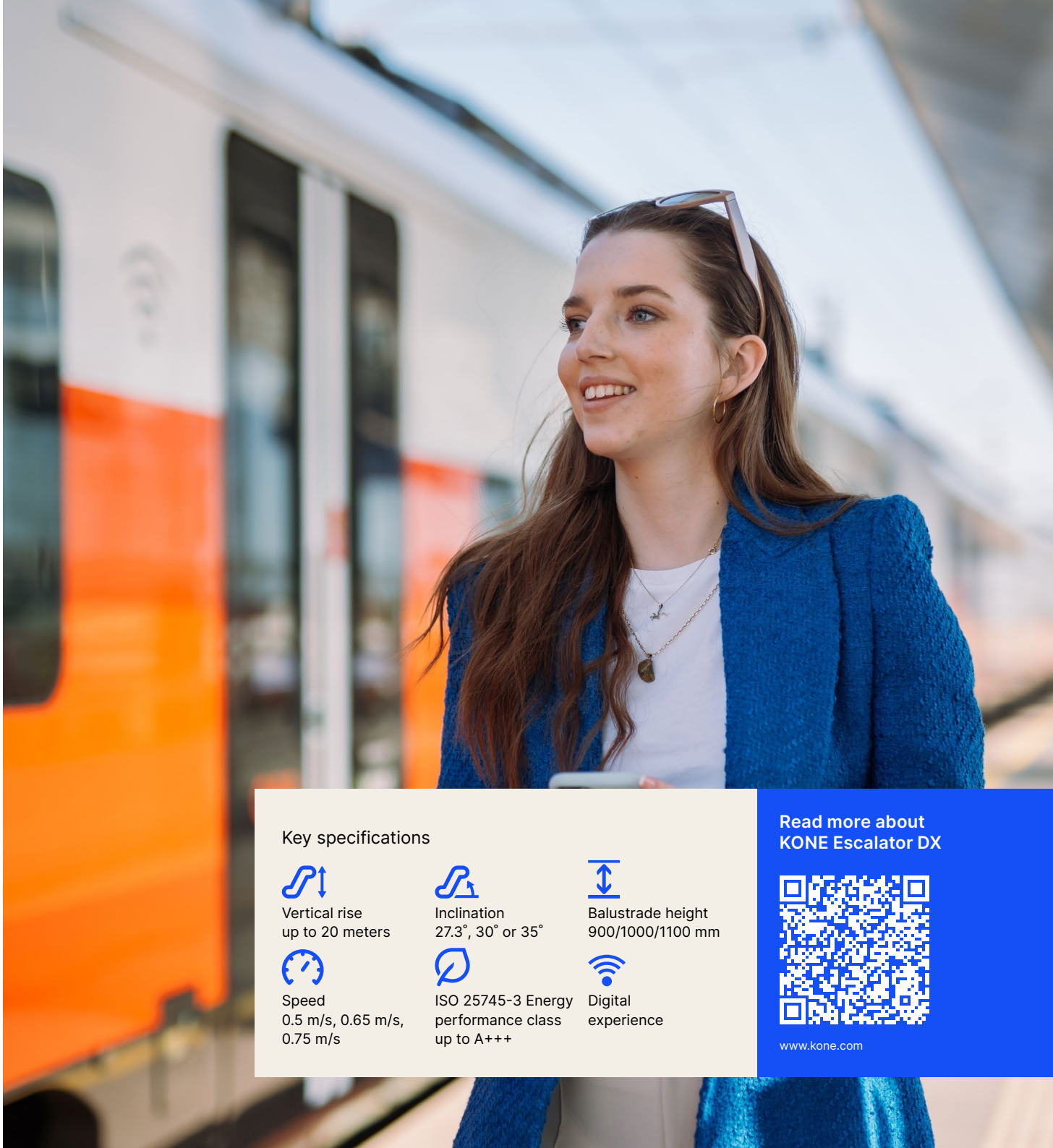
02 Differentiate with a redefined user experience

03 Safety = peace of mind

04 Reduced environmental impact

05 Plan for success with KONE as your partner

06 Flexibility to match your building requirements



Key specifications

Vertical rise
up to 20 meters

Inclination
27.3˚, 30˚ or 35˚

Balustrade height
900/1000/1100 mm

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

ISO 25745-3 Energy performance class
up to A+++

Digital experience

Read more about KONE Escalator DX

www.kone.com

Industry-leading reliability and quality

All KONE solutions follow strict quality standards which are dedicated to provide efficient and smooth People Flow experience.

We pay special attention to ensure that the quality and durability of the selected components match the environment and People Flow requirements, minimizing any unplanned downtime.

KONE has been a leader in delivering reliable, safe People Flow for more than 110 years

- Tens of housands of installations all around the world
- Reliability and safety guaranteed under even the most demanding operating conditions

Optimized material selection for quality and reliability:

- Proven technology on component level
- Usage of wear resistant materials
- Optional permanent monitoring of escalator

Certified supply chain

- Suppliers are required to comply with international standards
- All of our production operations are certified according to the ISO 14001 standard.



KONE Kunshan escalator factory
KONE Kunshan escalator LEED gold certified factory is the largest escalator production base in the world, covering an area of 29,000 square meters. Around 95% of the KONE escalators supplied globally are from the Kunshan factory.

The most comprehensive escalator performance test in the industry
The KONE factory is the first and only factory in the industry to test every escalator produced, for noise, vibration, speed detection, and energy consumption rates – ensuring consistent quality, passenger safety, and excellent ride comfort.

Differentiate with a redefined user experience

Enhance your escalator in a way that suits you. KONE DX Escalators lets you mix and match features and services, so you can tailor your escalator to what matters most. Transform how people move around your building with next-generation safety and wayfinding tools, and add a little magic to everyday moments. Let's move into the future together.



KONE Escalator Design Lighting

Deliver intuitive experiences for wayfinding and accessibility with escalator lighting for handrails and skirting—and delight passengers with themes for special occasions.



KONE 24/7 Connected Services

KONE 24/7 Connected Services is a discreet/intelligent way to increase uptime thanks to predictive maintenance and instant alerts that keep people moving around your building smoothly—today and tomorrow.



KONE Handrail Sanitizer Premium

Encourage safer behavior with visible handrail sanitization, designed to protect passengers against viruses, bacteria and dirt, and make holding on worry-free, a must to have in particular in airport where people from different countries are gathering together! Stay safe!



KONE Escalator Media Screen

Create memorable journeys with media screens that inform, guide and delight passengers while boosting revenue with advertising and branding opportunities.



Elevate your building

AI-assisted video monitoring delivers custom insights tailored to your needs, improving performance, optimizing flow, and intelligently identifying risks.

KONE Escalator Video Monitoring

With KONE Video Monitoring, you can increase escalator uptime, optimize flow, and intelligently identify risks to encourage safer behavior.

The remote management platform gives you access to your equipment data and shows a live camera view. If something isn't right, it displays an instant alert and helps you respond to incidents faster with intelligent automations and actionable insights.

Safety = peace of mind

All KONE escalators are equipped with the necessary safety features as required by applicable codes and standards.

Furthermore, should you require solutions to address specific safety concerns related to your People Flow, our sales team will be pleased to offer a selection of optional features tailored to your needs, such as:

- KONE Handrail Sanitizer and KONE Handrail Sanitizer Premium help prevent the spread of viruses and bacteria, and thereby encouraging passengers to hold the handrail
- KONE TransVario chainless drive system minimizes the risk of disconnection between motor and main shaft, as well as synchronizing the movement of handrails and steps
- Fall protection barrier and anti ride barrier and extended balustrade increase passenger protection to prevent falls and reduce misuse of the unit
- Traffic signalization, skirt lighting, yellow comb segment, step demarcations provide extra visual guidance for a smoother, safer ride
- Audible alarms provide clear guidance on escalator travel direction and improve passengers' attention
- Halogen-free cables
- Provisions for seismic locations
- Extended monitoring options with KONE 24/7 Connected Services and KONE Escalator Video Monitoring

For a complete list of standard and optional safety features please contact your local KONE sales representative.





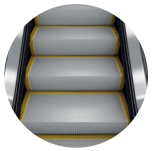
Safety = peace of mind



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



Audible alarms
provide clear guidance on escalator travel directions and enlarge users attention.



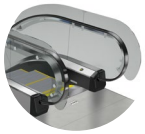
Anti slip requirement
Anti-slip grade step surface reduces the chance of passengers slipping.



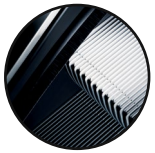
Fire safety
maximised with halogen-free cables and fire fighting provisions.



KONE Handrail Sanitizer Premium
continuously reduces bacteria, viruses and dirt from the handrails and encourages users to hold the handrail



Fall protection and anti-ride barriers
increase passenger protection and prevent falls and misuse of the unit.



KONE skirt switch solution
reduces the risk of entrapment.



KONE 24/7 Connected Services
helps you to see the status of the escalator in real time to ensure safe operation.



Video monitoring

improves operational performance and safety by automatically detecting pre-defined user behaviours.

Reduced environmental impact

KONE has always been a leader in energy saving and innovative technology in the industry, and enjoys a world-wide reputation. All our escalators and moving walks have achieved A+++ energy performance certificates based on the ISO Standard 25745-3.

Make your escalator more eco-efficient

01 **Sustainable drive options**
minimize energy consumption.

02 **lubrication-free step chain**
(optional) means no oil, a cleaner escalator and environment, reduced fire hazard, simpler cleaning and easier maintenance.

03 **Long-lasting LED lighting**
is up to 80% more efficient than fluorescent lighting and lasts up to 10 times longer.

04 **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 with KONE's smart star-delta operational mode, which regulates the current needed for different types of load situations.

05 **The KONE TransVario**
chainless drive system helps reduce energy costs and CO_2 emissions throughout the escalator's lifetime, thanks to optimized transmission. It also minimizes the amount of oil required.





Escalator sustainability

At KONE, we want to contribute to better urban living by helping people move around in and between buildings, in ways that are smooth and safe. A great deal of that is about sustainable practices.

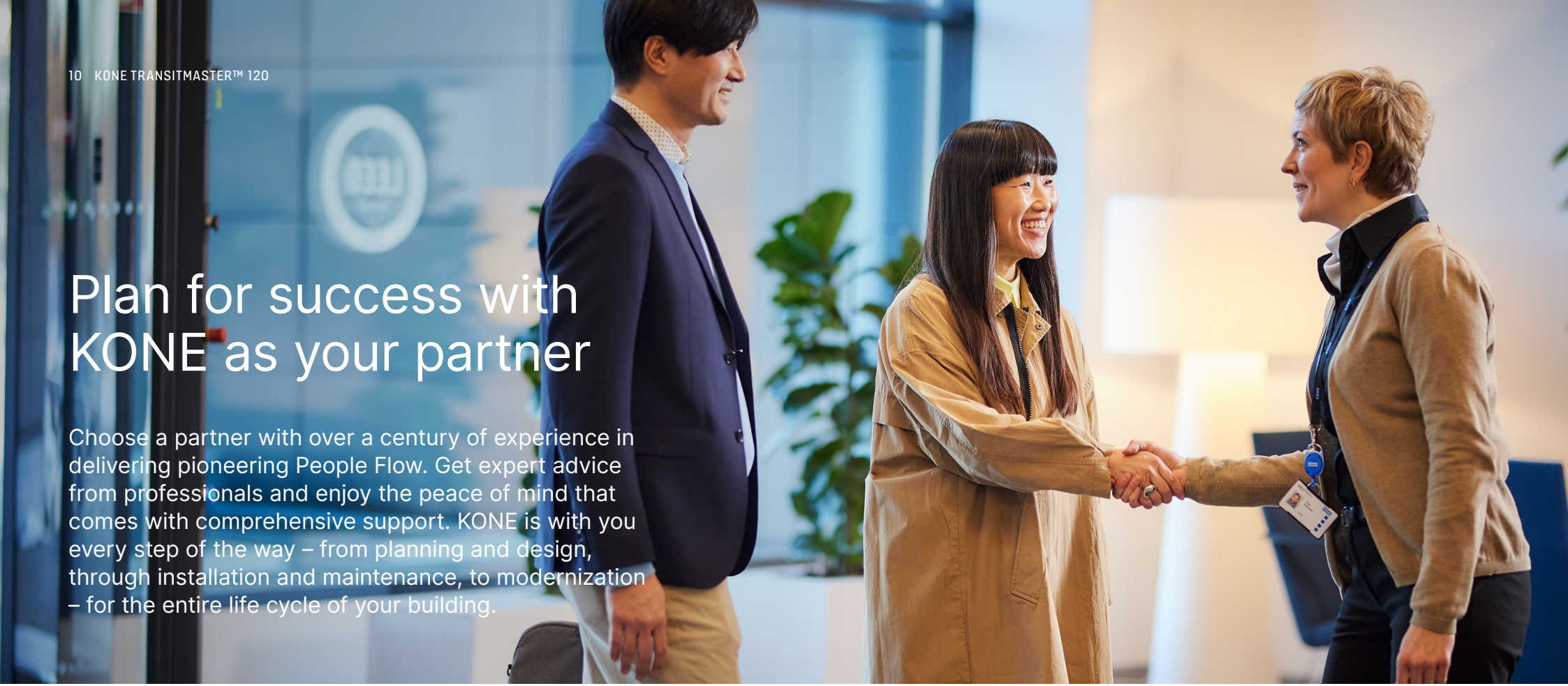
Green building certifications
Installing an eco-efficient KONE TransitMaster™ 120 can help achieve green building accreditations such as LEED or BREEAM certifications. For more information, contact your sales representative. We also have third-party verified Environmental Product Declaration (EPD) and Health Product declaration (HPD) available at **kone.com**.

Eco-efficient escalator
KONE TransitMaster™ 120 has achieved A+++ energy performance certificate based on ISO standard.

EcoVadis Gold medals
KONE holds the EcoVadis Gold medal for its sustainability performance, being in the top 5% 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.

CDP's A list
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.

Forbes 2024 World's Best Employers list
KONE has been recognized as one of the best employers in the world by Forbes business magazine on their Forbes 2024 World's Best Employers list.



Plan for success with KONE as your partner

Choose a partner with over a century of experience in delivering pioneering People Flow. Get expert advice from professionals and enjoy the peace of mind that comes with comprehensive support. KONE is with you every step of the way – from planning and design, through installation and maintenance, to modernization – for the entire life cycle of your building.

Expert design and planning services

- Expert planning advice helps you specify the optimal solution for your building.
- Renowned engineering and design capabilities at your service can create tailor-made solutions to exactly meet your specifications.
- Easy-to-use online design tools save your time and effort during design process.
- Energy consumption calculations available for every individual escalator solution.
- Escalator lifecycle cost calculations available for budget planning.

Safe and efficient installation

- Highly efficient installation methods result in considerable time savings and minimize disruption to other construction work.
- Strict quality criteria for each installation phase ensures the right fit every time.
- Continuous training, site audits, safety passports, certified Project Management, and proven methods ensure maximum site safety and on-time delivery.
- Eco-efficient installation processes minimize waste and maximize recycling.

Quality assurance, modernization and professional maintenance

- KONE's own reliability laboratory tests and approves every component used in our escalator solutions.
- Modernization extends the equipment lifetime, and the recycling, reuse, and refurbishment of specific components and materials contribute to the circular economy. then put the point of global spare parts center and then last the one of preventive care.
- Preventive KONE Care® maintenance solutions and a comprehensive online service-reporting system make it easier to monitor and budget for escalator maintenance.
- Our global spare parts center stocks over 150,000 parts and offers 24-hour delivery for the most commonly requested parts.

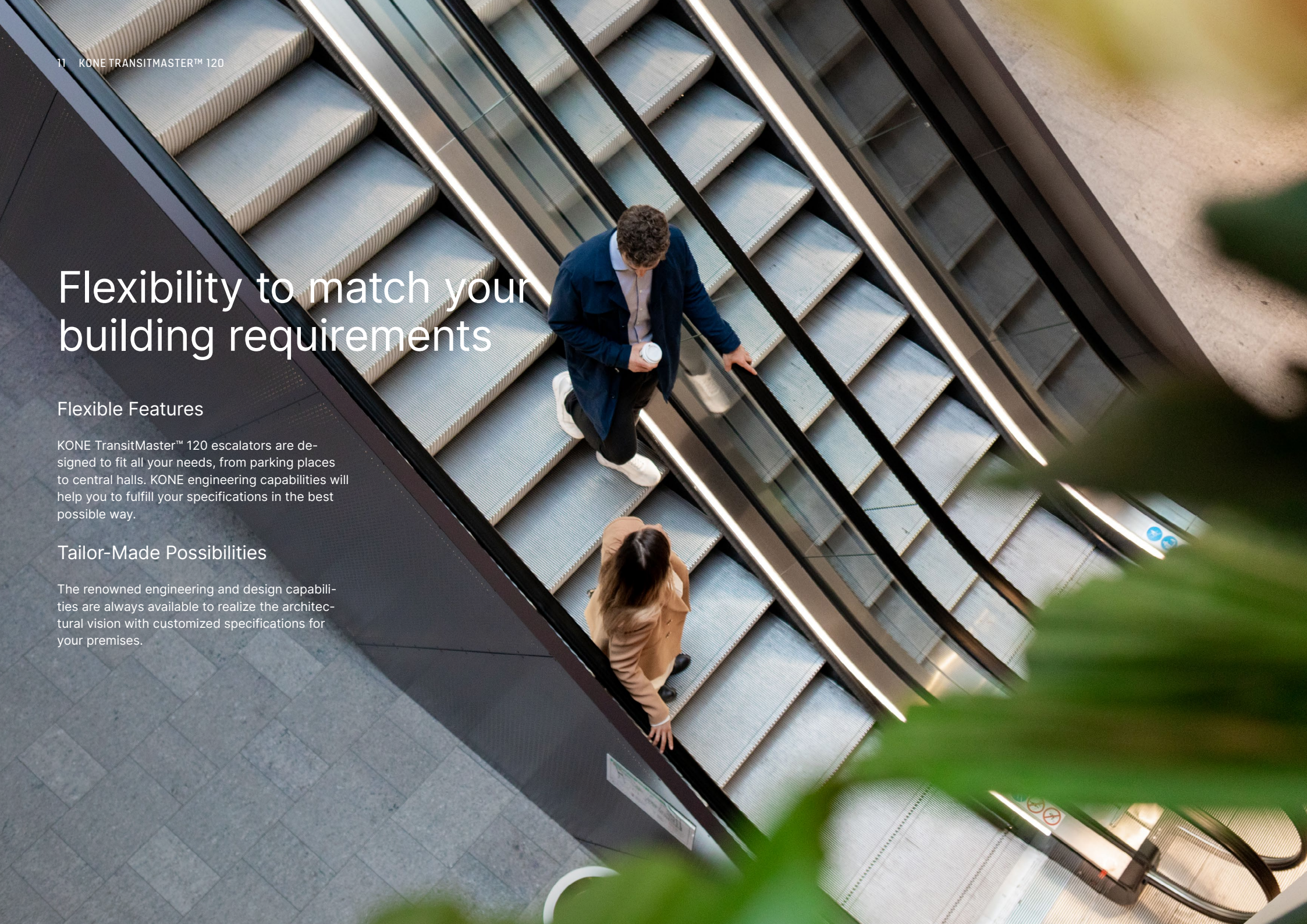
Flexibility to match your building requirements

Flexible Features

KONE TransitMaster™ 120 escalators are designed to fit all your needs, from parking places to central halls. KONE engineering capabilities will help you to fulfill your specifications in the best possible way.

Tailor-Made Possibilities

The renowned engineering and design capabilities are always available to realize the architectural vision with customized specifications for your premises.

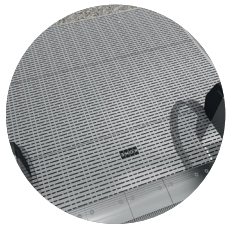


Access covers


Ribbed aluminum natural color


Ribbed aluminum with black grooves


Stainless steel surface, black painting


Stainless steel surface, no painting

Comb

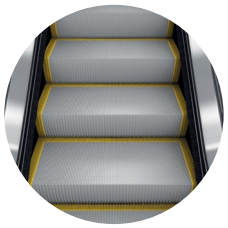

Aluminum comb segments

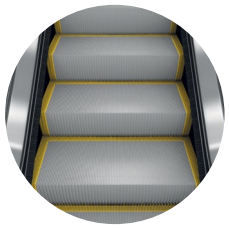

Aluminum with yellow powder coating


Aluminum with yellow plastic inlay

Steps

Step demarcation


Yellow painted on 3 sides


Yellow plastic insert on 3 sides

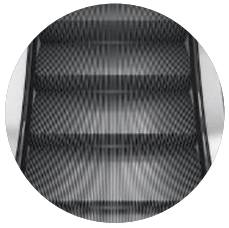

Yellow plastic insert on 3 sides (RAL 1023) and yellow painted demarcation in the center

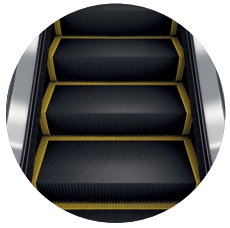

Yellow painted on 3 sides and in the center

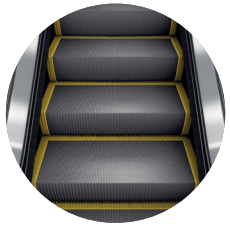
Step color


Natural color aluminum


Silver painted aluminum


Black painted aluminum


Stainless steel black

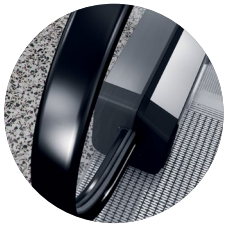

Stainless steel grey

Front plate

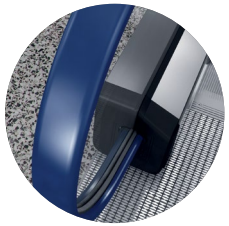

Black plastic

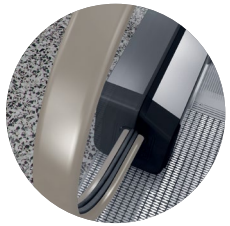

Stainless steel

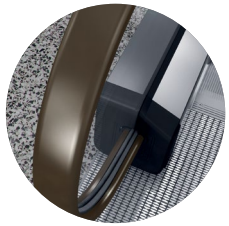
Handrails

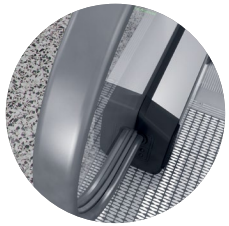

Black

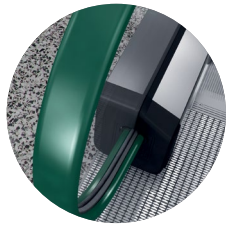

Black with white dots

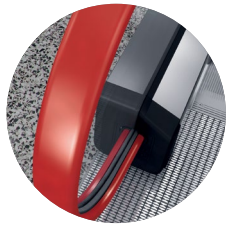

Blue


Beige


Brown

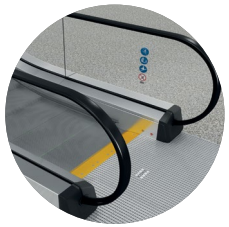

Gray


Green


Red

Balustrade

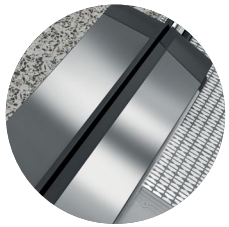

Balustrade extension

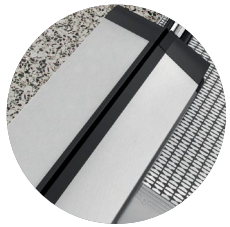

Safety or laminated glass


Sandwich panels


Inclined solid balustrade in stainless steel

Decking


Brushed stainless steel


Natural anodized aluminum


Silver powder coated (RAL9007)

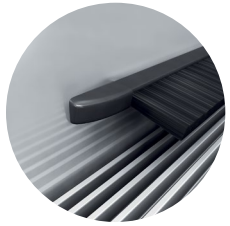
Skirting

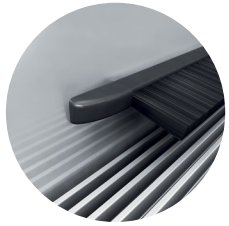
Skirt

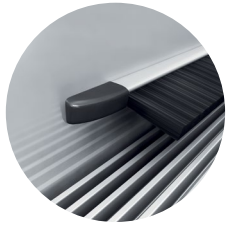

Brushed stainless steel skirt with clear anti-friction coating

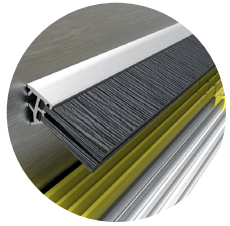

Sheet steel skirt with black anti-friction coating

Skirt brush holder


Black anodized aluminum


Black plastic


Clear anodized aluminum


Clear anodized aluminum, double brushes

Cladding


Hairline stainless steel


Premium cladding stainless steel or sheet steel with any RAL color


Powder coated sheet steel
Platinum gray (RAL7036),
Graphite gray (RAL7024),
Pure white (RAL9010),
Traffic white (RAL9016),
Pure orange (RAL2004),
Pearl beige (RAL1035)


Painted sheet steel
Platinum gray (RAL7036)


Glass


Fitted by the customer

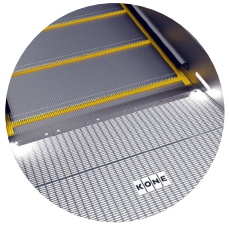

Media screen

Lighting

LED skirt spot lighting

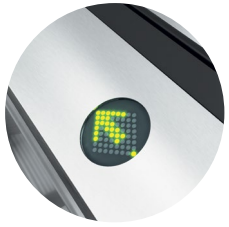

White

Comb lighting



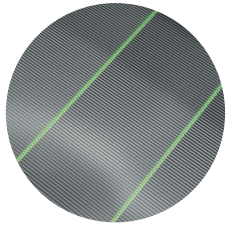
LED comb lighting (white)

Additional lighting


LED traffic light arrow in the decking


LED traffic light cube


LED traffic light road sign


Understep lighting green

Display


Diagnostic display

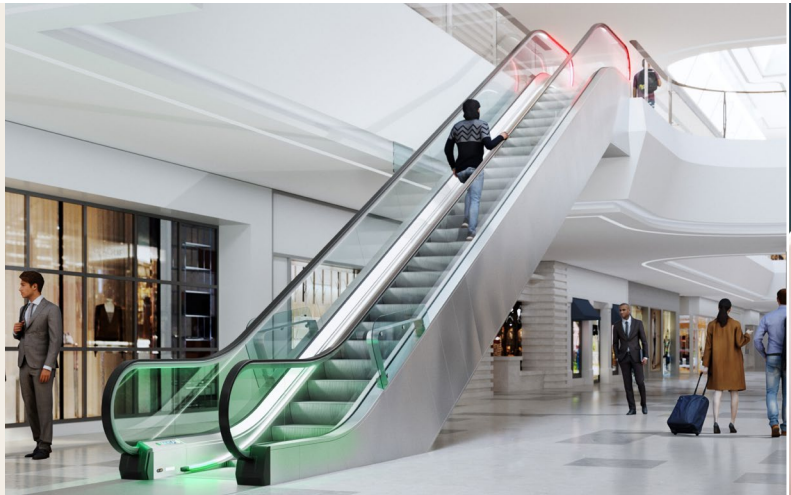
KONE Design Lighting

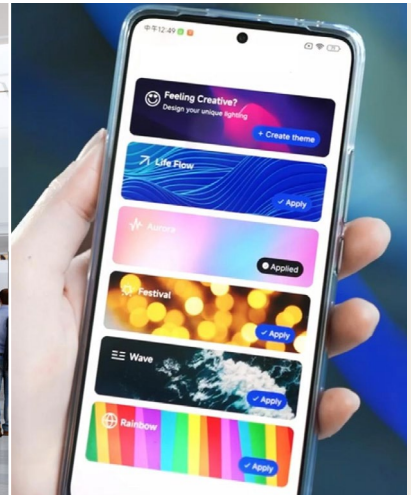
Hanrail, skirt, or both

Static colors
Infinite color spectrum (adjustable) and four color temperatures for white (3000 / 4000 / 5000 / 6000 K)

5 pre-defined Themes
LifeFlow / Aurora / Festival / Wave / Rainbow

Alternatives moods
Whatever you prefer via app





Change methods of lighting themes

Theme changes through the APP and the key switch in the skirt area. The design lighting connects the escalator electrical system and automatically changes according to the escalator conditions (ex. Running direction)

Product specification

Technical information

Applications	Airports, public transportation networks, railways, metro systems, commercial environments with high load profiles or special requirements.
Environment	Indoor, outdoor but covered with roof, outdoor
Vertical rise	up to 20 m
Inclination	27.3° / 30° / 35°
Group Arrangement	Single / Parallel / Criss Cross
Step width	800 mm / 1000 mm
Speed	0.5 m/s, 0.65 m/s, 0.75 m/s
Truss deflection	1/750 and 1/1000
Drive system type	Chain drive with worm gear
	Chain drive with helical gear
	TransVario chainless direct drive with planetary gear (TM120T)
Step chain type	Inside Roller 75 × 25 mm
Power supply	50Hz / 380V / 220V
	50Hz / 400V / 230V
	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
	Auto start and stop
Steps	Silver painted aluminum
	Black painted aluminum
	Natural aluminum
	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
	Yellow plastic insert on 3 sides

Design information

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	Stainless steel
	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
	KONE Escalator Media Screen
	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

Comb segment	Aluminum
	Aluminum with yellow plastic inlay
	Aluminum with yellow coating
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

Note:
* Some solutions may not be available for inclined solid balustrade”

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 63,000 dedicated experts to serve you globally and locally.

KONE Corporation

Corporate offices
Keilasatama 3
P.O. Box 7
Espoo, 02150
Finland

Tel.: +358 (0)204 75 1
Fax: +358 (0)204 75 4496

Business Identity Code: 1927400-1

This publication is for general informational purposes only and we reserve the right at any time to alter the product design and specifications. No statement this publication contains shall be construed as a warranty or condition, express or implied, as to any product, its fitness for any particular purpose, merchantability, quality or representation of the terms of any purchase agreement. Minor differences between printed and actual colors may exist. KONE MonoSpace® DX, KONE EcoDisc® and People Flow® are registered trademarks of KONE Corporation. Copyright © 2025 KONE Corporation.

www.kone.com

(R25.1)

Dedicated to People Flow™