

# SMOOTH PEOPLE FLOW® FOR EVERYDAY ENVIRONMENTS



**3 Down**

<b>5</b> Soul Streets	↶	ℹ	<b>Viihde</b> Nöje • Entert <b>Hyvinvo</b> Välbefinnand
<b>4</b> Little Manhattan	↶	ℹ	<b>Rautatie</b> Järnvägssta Railway stati <b>Hotelli</b> Hotel <b>Workery</b> Offices
<b>3</b> Downtown	→	↶	<b>Fredika</b> Fredriksberg
<b>2</b> Nordic Avenue	↶	↶	<b>Raitteet</b> Spår • Track
<b>1</b> Food Market	↶		<b>Firnonk</b> Firdogatan <b>Veturitie</b> Lokvägen

# SMOOTH PEOPLE FLOW® FOR EVERYDAY ENVIRONMENTS

The KONE TravelMaster™ 110 is a versatile escalator that is the best choice where safety, reliability, efficiency and design are required. It complies with all relevant international and local safety codes.

Applications	Retail segment, offices, hotels, stadiums, medical facilities, exhibition centers and airports
Environment	Indoor, semi-outdoor, outdoor
Vertical rise	up to 13 m
Inclination	30° / 35°
Group Arrangement	Single / Parallel / Criss Cross / Continuous
Step width	600 mm (Vertical rise up to 9.5 m) / 800 mm / 1000 mm
Speed	0.4 m/s (with inverter mode) / 0.5 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 (TM110T)
Step chain type	Inside Roller 75 x 25 mm
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 13 meters



Inclination  
30° or 35°



Step width  
600/800/1000mm



Balustrade height  
900/1000/1100 mm



Speed  
0.5 m/s



Duty cycle  
14 hours/day

Front Plate	Black plastic
	Stainless steel
Balustrade	Safety glass 10 mm
	Safety glass 12 mm
	Sandwich panels 10 mm
	Laminated glass 12 mm
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
Steps	Fitted by the customer
	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
Step demarcation	Grey stainless steel with yellow or grey 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 - 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

# 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.

## DOUBLE SKIRT BRUSHES

to reduce even more entrapment risk

## FIRE SAFETY

maximised with halogen-free.

## SKIRT PANELS

coated with anti-friction coating minimize drag and reduce possibility of entrapments between skirt and steps.

## FALL PROTECTION AND ANTI-RIDE BARRIERS

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

## COMB PLATE IMPACT DEVICE SWITCHES

minimize the risk of entrapment in comb plate areas.

## ANTI SLIP REQUIREMENT

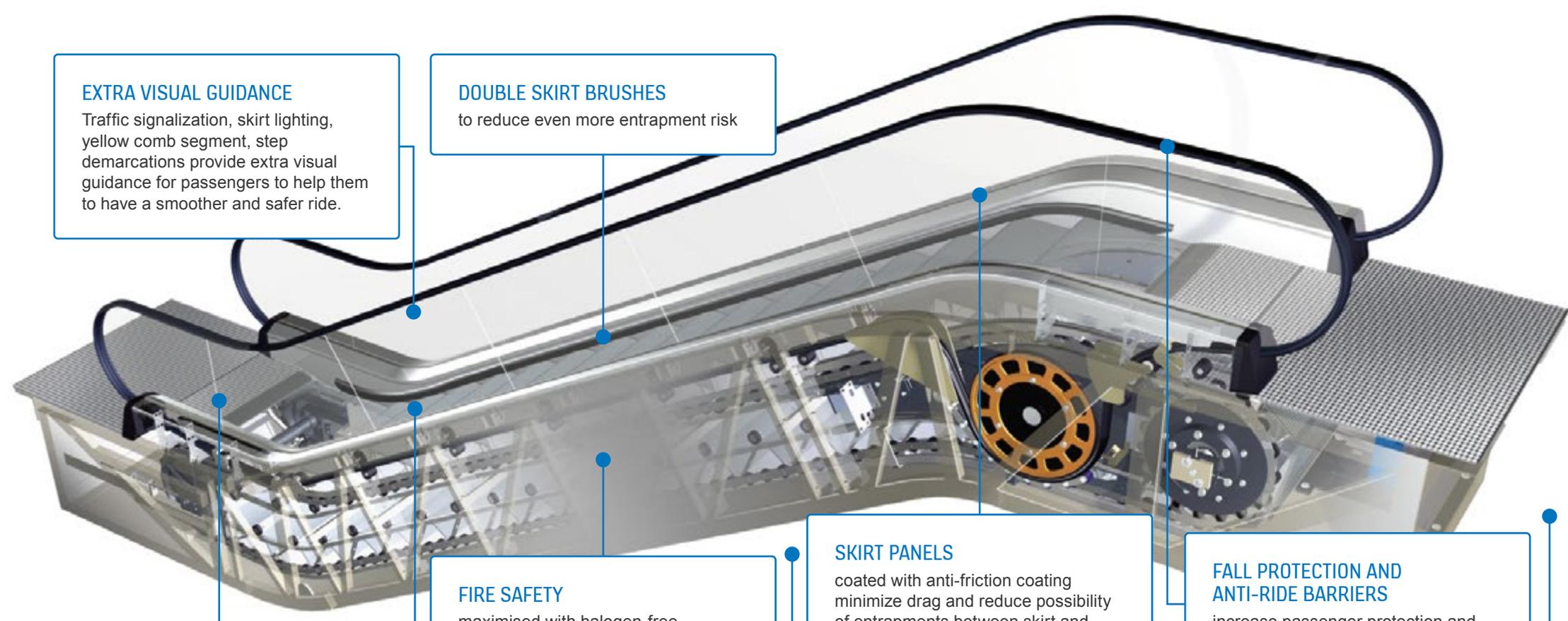
R10 anti-slip grade step surface reduces the chance of passengers slipping.

## KONE 24/7 CONNECTED SERVICES

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

## AUDIBLE ALARMS

provide clear guidance on escalator travel directions and enlarge 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:

Escalator 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 also contribute to several LEED certification categories.

## ECO-EFFICIENT ESCALATOR

KONE TravelMaster™ 110 has achieved A+++ energy performance certificate based on ISO standard.

## 4 WAYS TO MAKE YOUR ESCALATOR MORE ECO-EFFICIENT:

- 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.

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 recognized 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 TravelMaster™ TM110 is a commercial escalator designed to satisfy all needs of a customer in the retail environment. It is engineered to maximize the shopping experience for your end users, guaranteeing the perfect combination between safety and visual appearance.

## Seismic Provisions

For seismic environments a full proposal of different mountings are available, to match even the strongest conditions.

## Flexible Features

KONE TravelMaster™ 110 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

## 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 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

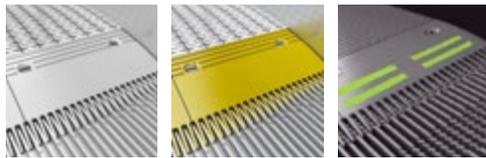
Silver painted aluminum

Black painted aluminum

Stainless steel black

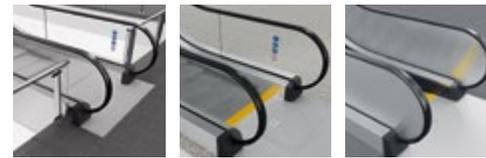
Stainless steel grey

## COMB



Aluminum comb segments  
Aluminum comb with yellow coating  
Aluminum comb with yellow plastic inlay (RAL1023)

## BALUSTRADE



Balustrade extension  
Safety or laminated Glass  
Sandwich Panels

## LIGHTING

### LED HANDRAIL LIGHTING



White  
KONE Design Lighting, handrail

### LED SKIRT LIGHTING



White  
KONE Design Lighting, skirt

### LED SKIRT SPOT LIGHTING



White

### COMB LIGHTING



LED comb lighting (white)

## FRONT PLATE



Black plastic  
Stainless steel

## DECKING



Brushed satin stainless steel  
Natural anodized aluminum  
Silver powder coating (RAL9007)  
Center decking (parallel arrangement)

## CLADDING



Premium cladding stainless steel or sheet steel with any RAL color  
Powder coated sheet steel (grey, white, orange, pearl beige)  
Painted sheet steel grey (RAL7036)  
Glass  
Fitted by the customer

## DISPLAY



Diagnostic display

### 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 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®, KONE NanoSpace™ and KONE UltraRope®.

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

## KONE CORPORATION

### Corporate offices

Keilasatama 3  
P.O. Box 7  
FI-02151 Espoo  
Finland  
Tel. +358 (0)204 751

[www.kone.com](http://www.kone.com)

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