



# RELIABLE PEOPLE FLOW® FOR DEMANDING TRANSIT ENVIRONMENTS



# RELIABLE PEOPLE FLOW® FOR DEMANDING TRANSIT ENVIRONMENTS

The versatile KONE TransitMaster™ 140 is a public transportation escalator designed to enable the seamless flow of large number of passengers that need to be able to move quickly every day and every hour to reach their final destination.

Applications	Public transportation, mainly undergrounds & railway stations
Environment	Indoor, semioutdoor, outdoor
Vertical rise	up to 35 m
Inclination	27.3° / 30°
Group Arrangement	Single / Parallel
Step width	800 mm / 1000 mm
Speed	0.5 / 0.65 / 0.75 / Energy saving and maintenance speed (0.13 m/s or 0.20 m/s)
Truss deflection	1/1000 and 1/1500
Gearbox type	Helical gear
Drive location	Outside step band
Step chain type	Outside Roller 100 x 25 mm
Controller	KONE 501B PLC
Power supply	50Hz / 380V / 220V 50Hz / 400V / 230V 50Hz / 415V / 240V
Operation mode	Smart star-delta (only PLC) Standby speed Standby speed and automatic start/stop Standby speed and/or automatic start/stop KONE Direction operation without inverter (only PLC)
Code compliance	EN115-1: 2008 +A1:2010 / EN115-1: 2017/GB16899-2011 / Singapore Code







## KEY SPECIFICATIONS



Vertical rise up to  
35 m



Inclination  
27.3° / 30°



Step width  
800 / 1000 mm



Indoor / semi-outdoor  
/ outdoor environment



Speed  
0.5 / 0.65 / 0.75 m/s



People Flow Capacity  
up to 8200 people/h

Front Plate	Stainless steel
Balustrade	Safety Glass panels 10 mm
	Laminated safety glass 12 mm
	Inclined solid
	Balustrade height: 1000 mm / 1100 mm (only for Glass type)
Decking	Brushed satin stainless steel
Skirt	2 mm or 3 mm stainless steel
	2 mm or 3 mm sheet steel
Access cover	Ribbed aluminum natural color
	Aluminum access cover with stainless steel surface
	Aluminum access cover with etched stainless steel
Steps	Silver painted aluminum (Grinded surface R10)
	Black painted aluminum (Grinded surface R10)
Step demarcation	Without
	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
	Aluminium 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

# PEACE OF MIND WITH SAFETY

## DOUBLE SKIRT BRUSHES

to reduce even more entrapment risk

## SKIRT PANELS

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

## COMB PLATE IMPACT DEVICE SWITCHES

minimize the risk of entrapment in  
comb plate areas.

## FIRE SAFETY

maximised with halogen-free and fire-  
resistant wiring.

## 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  
autowalk in real time to ensure safe  
operation.

## EXTRA VISUAL GUIDANCE

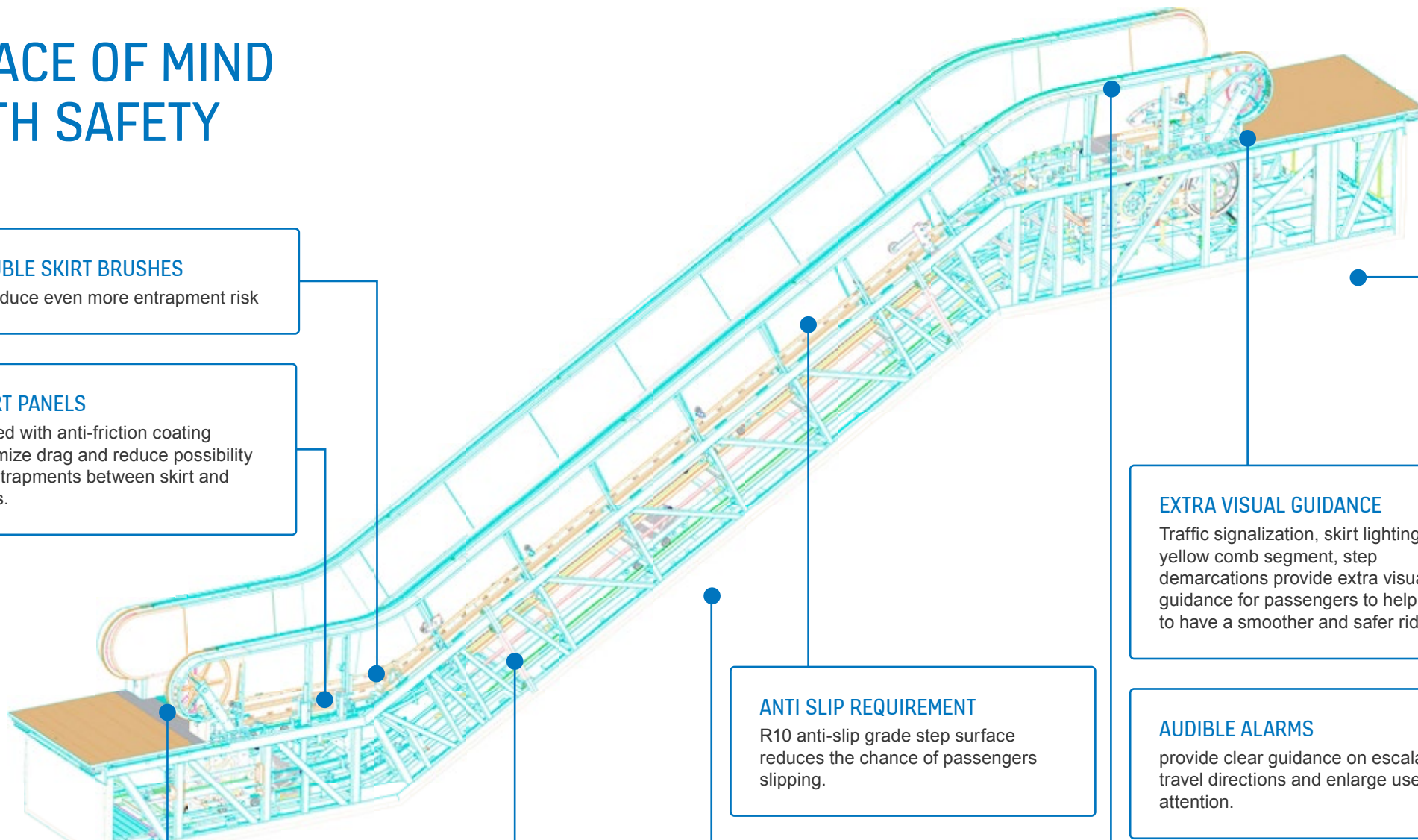
Traffic signalization, skirt lighting,  
yellow comb segment, step  
demarcations provide extra visual  
guidance for passengers to help them  
to have a smoother and safer ride.

## AUDIBLE ALARMS

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

## ANTI RIDE BARRIERS

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





# 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 TransitMaster™ 140 has achieved A+++ energy performance certificate based on ISO standard.

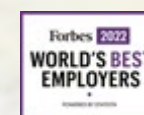
## 4 WAYS TO MAKE YOUR ESCALATOR MORE ECO-EFFICIENT:

- 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 TransitMaster™ 140 is a public transportation escalator for the highest people flow and long, even continuous, operating hours. It is designed to enable the seamless flow of large number of passengers, fulfilling your requirements, from both technical and visual point of view.

## C4 Corrosion Packages

For extreme environments a full proposal of C4 corrosion protection options are available. Long lasting escalators will allow your building to operate with high performance for extended period of time.

## Flexible Features

KONE TransitMaster™ 140 escalators are designed to fit in all your buildings, with wide variety of options for different environments. 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



Aluminum access cover with stainless steel surface



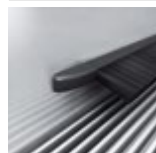
Aluminum access cover with etched stainless steel surface



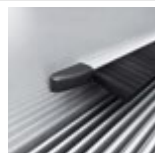
Natural ribbed aluminum

## SKIRTING

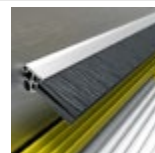
### SKIRT BRUSH HOLDER



Black anodized aluminum



Clear anodized aluminum



Clear anodized aluminum, double brushes

### SKIRT

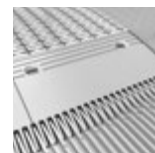


Brushed stainless steel skirt with clear anti-friction coating

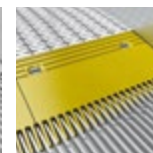


Sheet steel skirt with black anti-friction coating

## COMB



Aluminum comb segments



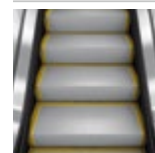
Aluminum comb with yellow coating



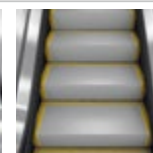
Aluminum comb with yellow plastic inlay (RAL1023)

## STEPS

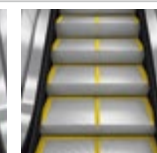
### STEP DEMARCATION



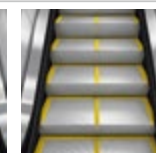
Yellow painted on 3 sides (RAL1004)



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



Silver painted



Black painted



## FRONT PLATE



Satin polished stainless steel front plate for glass balustrade



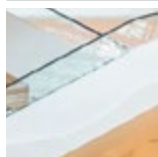
Satin polished stainless steel front plate for solid balustrade

## DISPLAY



Diagnostic display

## CLADDING



Premium cladding stainless steel or sheet steel with any RAL color



Hairline stainless steel

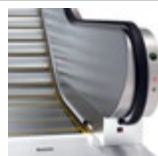


Mounting strip (for customer cladding)

## BALUSTRADE



Clear glass balustrade panels



Brushed stainless steel solid inclined panels



Passenger fall protection barrier

## HANDRAILS



Black



Black with white dots

## DECKING



Brushed satin stainless steel

## LIGHTING

### LED HANDRAIL LIGHTING

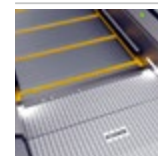


White



KONE Design Lighting, handrail

### COMB LIGHTING

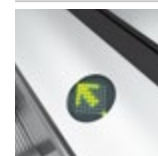


LED comb lighting (white)



LED multiple comb lighting (white)

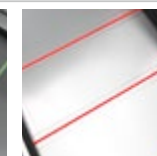
### ADDITIONAL LIGHTING



LED traffic lights located in the decking

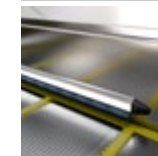


Under step demarcation lighting green

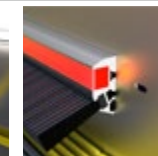


Under step demarcation lighting red

### LED SKIRT LIGHTING



White



KONE Design Lighting, skirt

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)

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 in this publication 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 Care® and People Flow® are registered trademarks of KONE Corporation. Copyright © 2019 KONE Corporation.