

The background of the entire page is a photograph of a busy transit station. Several escalators are visible, with people using them. The scene is captured with a slight motion blur, emphasizing the flow of people. In the upper left, a blue sign with white icons and text is visible. The overall atmosphere is one of a modern, high-traffic public space.

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, semi-outdoor, 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 / 400V / 230V |
| Operation mode | Smart star-delta Standby speed Standby speed and/or automatic start/stop |
| Code compliance | EN115-1: 2017 |





KEY SPECIFICATIONS



Vertical rise up to
35 m



Inclination
27.3° / 30°



Step width
800 / 1000 mm



Indoor / semi-outdoor
/ outdoor environment



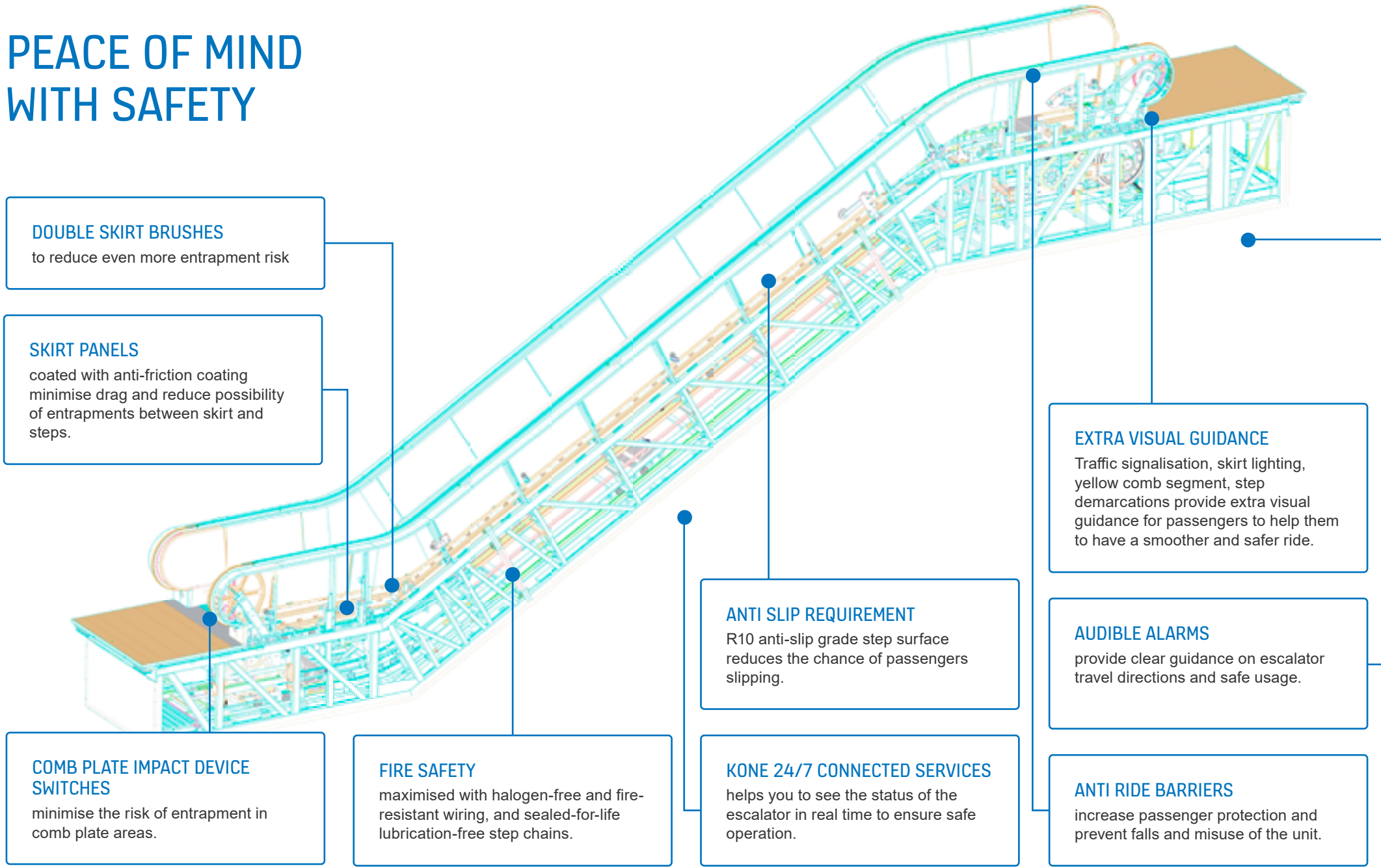
Speed
0.5 / 0.65 / 0.75 m/s



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 aluminium natural colour Aluminium access cover with stainless steel surface Aluminium access cover with etched stainless steel |
| Steps | Silver painted aluminium (Grinded surface R10) Black painted aluminium (Grinded surface R10) |
| Step demarcation | Without Yellow painted on 3 sides and/or in the centre (RAL1004) Yellow plastic insert on 3 sides (RAL 1023) Yellow plastic insert on 3 sides (RAL1023) and yellow painted demarcation in the centre (RAL1004) |
| Comb segment | Aluminium Aluminium with yellow plastic inlay (RAL1023) Aluminium with yellow coating (RAL 1023) |
| Lighting | Without LED continuous white handrail lighting LED continuous white skirt lighting LED white comb lighting LED traffic lights LED understep lighting (green) / LED understep lighting (green-red) |

PEACE OF MIND WITH SAFETY



DOUBLE SKIRT BRUSHES
to reduce even more entrapment risk

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

**COMB PLATE IMPACT DEVICE
SWITCHES**
minimise the risk of entrapment in
comb plate areas.

FIRE SAFETY
maximised with halogen-free and fire-
resistant wiring, and sealed-for-life
lubrication-free step chains.

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.

EXTRA VISUAL GUIDANCE
Traffic signalisation, 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 safe usage.

ANTI RIDE BARRIERS
increase passenger protection and
prevent falls and misuse of the unit.

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 the following requirement:

A load-sensing device that synchronises motor output to passenger demand through a variable speed drive

OR

A passenger-sensing device for automated operation, so the escalator operates in auto start mode when there is no passenger demand.

LEED CERTIFICATION

KONE solutions can also contribute to several LEED certification categories.

KONE RECOGNISED AS A TOP PERFORMER IN 2018 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 2018

KONE has received an A or A- score for six consecutive years.

KONE RANKED AMONG THE TOP 100 MOST SUSTAINABLE COMPANIES IN THE WORLD

- KONE ranked 43rd in Corporate Knights' 2019 Global 100 Most Sustainable Corporations in the World
 - 2nd among its 443 global category peers in the "Machinery Manufacturing"
 - Only lift and escalator industry company in the Top 100 ranking
- Top performer in environmental performance and social responsibility, such as employee retention and board 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™ 140 has achieved A+++ energy performance certificate based on ISO standard.

4 WAYS TO MAKE YOUR ESCALATOR MORE ECO-EFFICIENT:

- 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™ 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 fulfil your specifications in the best possible way.

Tailor-Made Possibilities

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

ACCESS COVERS



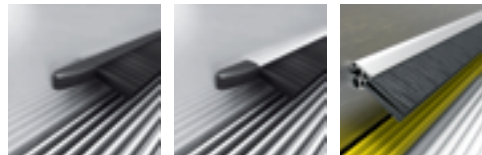
Aluminium access cover with stainless steel surface

Aluminium access cover with etched stainless steel surface

Natural ribbed aluminium

SKIRTING

SKIRT BRUSH HOLDER



Black anodised aluminium

Clear anodised aluminium

Clear anodised aluminium, double brushes

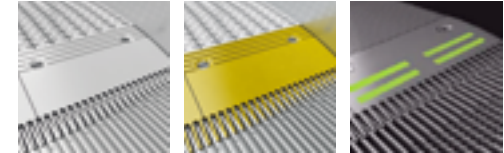
SKIRT



Brushed stainless steel skirt with clear anti-friction coating

Sheet steel skirt with black anti-friction coating

COMB



Aluminium comb segments

Aluminium comb with yellow coating

Aluminium comb with yellow plastic inlay (RAL1023)

STEPS

STEP DEMARICATION



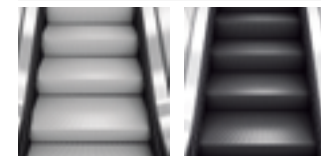
Yellow painted on 3 sides (RAL1004)

Yellow plastic insert on 3 sides (RAL 1023)

Yellow plastic insert on 3 sides (RAL1023) and yellow painted demarcation in the centre (RAL1004)

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

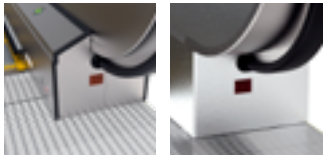
STEP COLOUR



Silver painted

Black painted

FRONT PLATE



Satin polished stainless steel front plate for glass balustrade

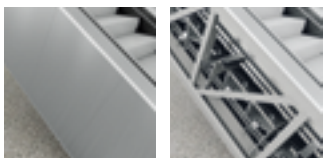
Satin polished stainless steel front plate for solid balustrade

DISPLAY



Diagnostic display

CLADDING



Hairline stainless steel

Mounting strap (for customer cladding)

BALUSTRADE

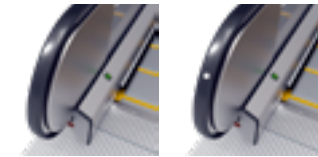


Clear glass balustrade panels

Brushed stainless steel solid inclined panels

Passenger fall protection barrier

HANDRAILS



Black

Black with white dots

DECKING



Brushed satin stainless steel

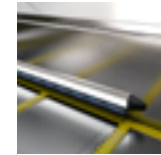
LIGHTING

LED HANDRAIL LIGHTING



White

LED SKIRT LIGHTING

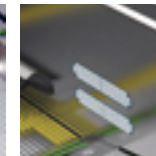


White

COMB LIGHTING

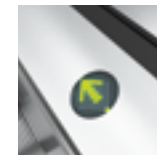


LED comb lighting (white)

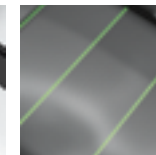


LED multiple comb lighting (white)

ADDITIONAL LIGHTING



LED traffic lights located in the decking



Under step demarcation lighting green



Under step demarcation lighting red

KONE provides innovative and eco-efficient solutions for lifts, 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 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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