

# SMOOTH PEOPLE FLOW® FOR EVERYDAY ENVIRONMENTS



<b>3 Down</b>	
<b>5</b> Soul Street	↶ ☎ Viihde Käpa • Citrus Hyvinvo Välitefinnan
<b>4</b> Little Manhattan	↶ ☎ Rautatie Järnvägssta Railway stat Hotelli Hotel Workery Offices
<b>3</b> Downtown	→ ↶ Fredika Fredrikaberg
<b>2</b> Nordic Avenue	↶ Raiteet Spår • Track
<b>1</b> Food Market	↶ Firdonk Firdogatan Veturitie Lokvillagen



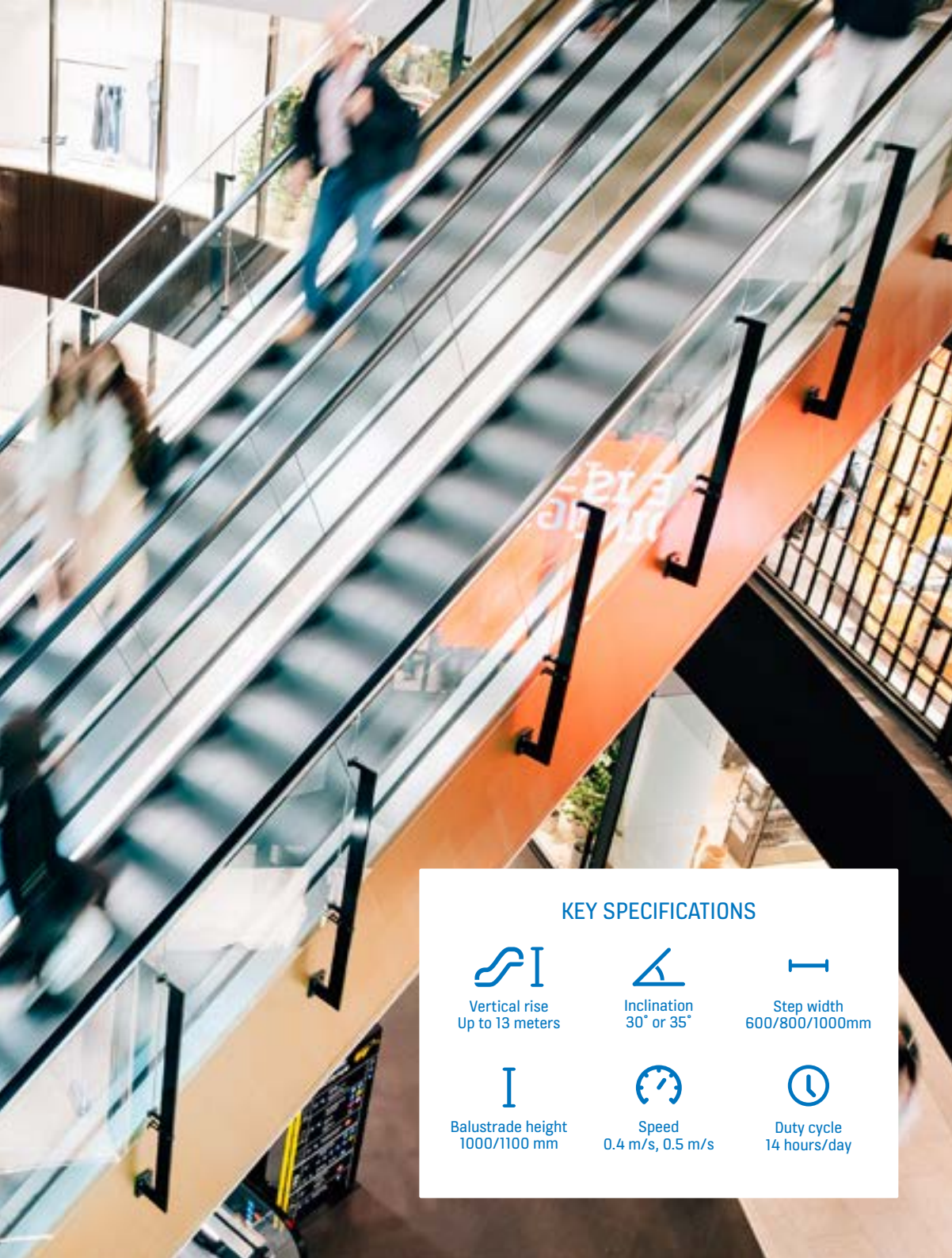
# SMOOTH PEOPLE FLOW® FOR EVERYDAY ENVIRONMENTS

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
Controller	KONE 501B
Power supply	50Hz / 400V / 230V
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	EN115-1: 2017/GB16899-2011







### KEY SPECIFICATIONS



Vertical rise  
Up to 13 meters



Inclination  
30° or 35°



Step width  
600/800/1000mm



Balustrade height  
1000/1100 mm



Speed  
0.4 m/s, 0.5 m/s



Duty cycle  
14 hours/day

Front Plate	Black plastic
	Stainless steel
Balustrade	Safety glass 10 mm
	Safety glass 12 mm
	Stainless steel laminate 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 aluminium
Skirt	2 mm or 3 mm stainless steel
	2 mm or 3 mm sheet steel
Access cover	Ribbed aluminium natural color
	Ribbed aluminium with black grooves
	Stainless steel with embossed pattern, no painting
	Stainless steel with embossed pattern, black painting
Cladding	Hairline stainless steel
	Powder coated sheet steel (grey, white, orange, pearl beige)
	Painted sheet steel grey (RAL7036)
	Glass
	Fitted by the customer
Steps	Silver painted aluminium (Ground surface R10)
	Black painted aluminium (Ground surface R10)
Step demarcation	Without colour demarcation
	Yellow painted on 3 sides and/or in the center (RAL1004)
	Yellow plastic insert on 3 sides (RAL 1023)
Comb segment	Aluminium
	Aluminium with yellow plastic inlay (RAL1023)
	Aluminium with yellow coating (RAL 1023)
Handrail lighting	LED continuous light - different colours or multicolour RGB
Skirt lighting	LED continuous light - different colours or multicolour RGB
	LED spot
Comb lighting	LED static light - different colours
	LED flashing light - different colours
Traffic lights	LED arrows
	LED cube
	LED road sign
Understep lighting	LED green light
Soffit lighting	LED continuous light - different colours or multicolour RGB
	LED spot, white colour, 1 or 2 rows
Cove lighting	LED continuous light - different colours or multicolour RGB



# SAFETY = PEACE OF MIND

## 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.

## SKIRT BRUSHES

to reduce entrapment risk

## FIRE SAFETY

maximised with halogen-free.

## 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.

## KONE HANDRAIL SANITISER

The UV light solution hidden inside the escalator gradually disinfects the handrails.

## KONE HANDRAIL SANITISER PREMIUM

This stylish device provides premium safety and handrail cleanliness with effective triple-cleaning technology: brush, liquid and UV light.

## SKIRT PANELS

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

## FALL PROTECTION AND ANTI-RIDE BARRIERS

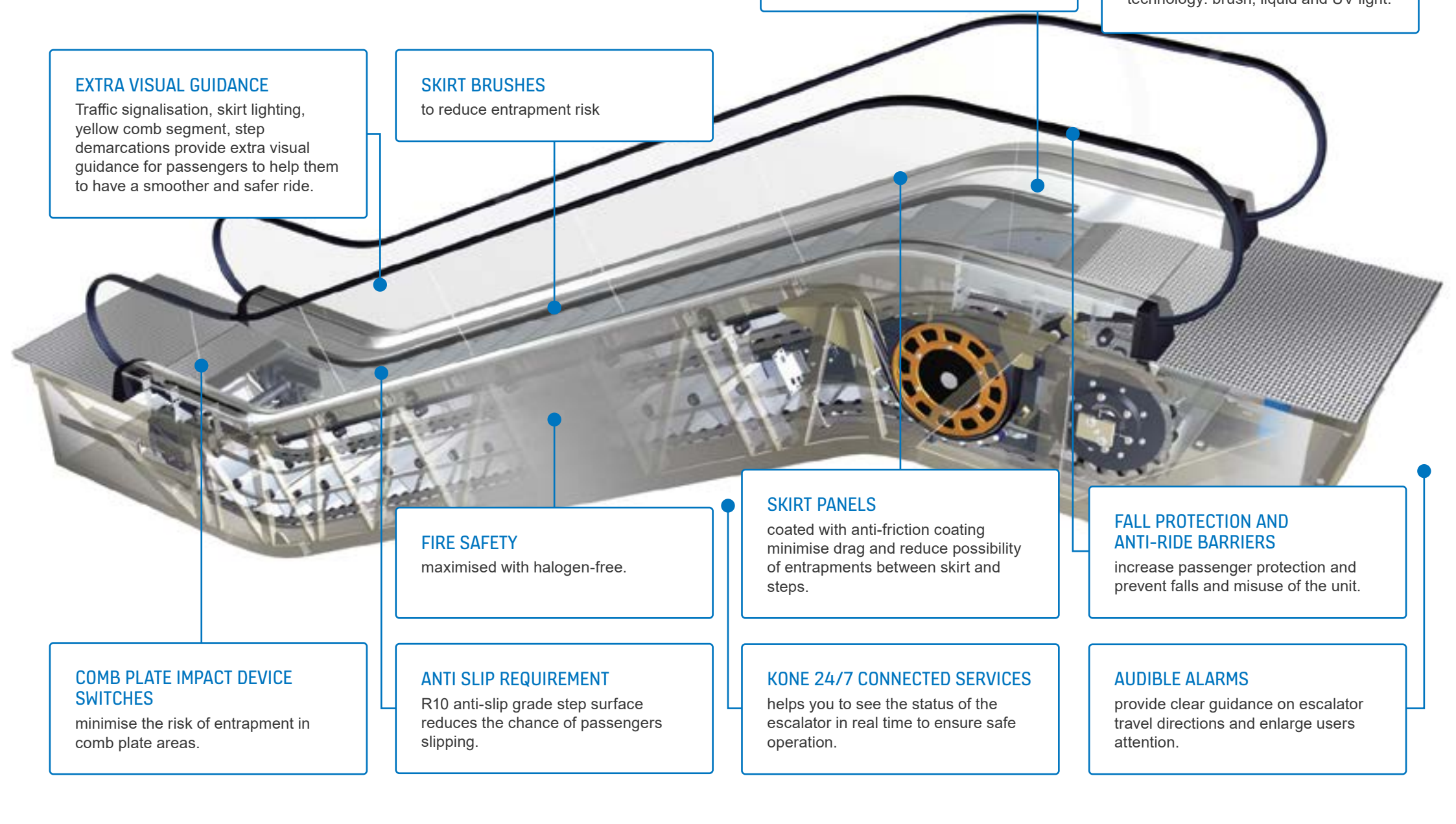
increase passenger protection and prevent falls and misuse of the unit.

## 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.



# 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 one of the following requirements:

Escalator is fitted with a load-sensing device that synchronises motor output to passenger demand through a variable speed drive OR

Escalator is fitted with a passenger-sensing device for automated operation (auto walk), 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 TravelMaster™ 110 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 TravelMaster™ TM110 is a commercial escalator designed to satisfy all needs of a customer in the retail environment. It is engineered to maximise the shopping experience for your end users, guaranteeing the perfect combination between safety and visual appearance.

## 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

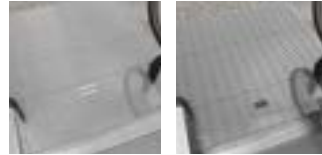
The renowned engineering and design capabilities are always available to realize the architectural vision with customized specifications for your premises.

## ACCESS COVERS



Ribbed aluminium natural color

Ribbed aluminium with black grooves



Stainless steel surface, black painting

Stainless steel surface, no painting

## SKIRTING

### SKIRT BRUSH HOLDER



Black anodized aluminium

Clear anodized aluminium

Clear anodized aluminium, double brushes

### SKIRT



Brushed stainless steel skirt with clear anti-friction coating

Sheet steel skirt with black anti-friction coating

## HANDRAILS



Beige

Black

Black with white dots

Blue



Brown

Gray

Green

Red

## STEPS

### STEP DEMARCATION



Yellow painted on 3 sides (RAL1004)

Yellow plastic insert on 3 sides (RAL 1023)

### STEP COLOUR

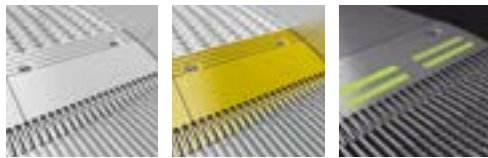


Black painted aluminium

Silver painted aluminium



## COMB



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

## FRONT PLATE



Black plastic  
Stainless steel

## CLADDING



Hairline stainless steel  
Powder coated sheet steel (grey, white, orange, pearl beige)  
Painted sheet steel grey (RAL7036)  
Glass  
Fitted by the customer

## BALUSTRADE



Balustrade extension  
Safety or laminated Glass  
Stainless steel laminate Panels

## DECKING



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

## DISPLAY



Diagnostic display

## LIGHTING

### LED HANDRAIL LIGHTING



Blue  
Green  
White  
Red

### LED SKIRT LIGHTING



Blue  
Green  
Orange  
Red

### LED SKIRT SPOT LIGHTING



White

### LED COVE LIGHTING



Soffit cladding  
Side cladding  
Side and soffit cladding  
Soffit LED spotlighting

### 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

KONE provides innovative and eco-efficient solutions for lifts, escalators, loading bays, 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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