

ESCALATOR LIGHTING

The 4th dimension of design





THE OPTICAL BOOST TO YOUR BUILDING

Great potential.

Lighting is a key design factor that's often neglected. As the great architect Le Corbusier said, "Architecture is the learned game, correct and magnificent, of forms assembled in the light." Without attractive escalator lighting, your building is missing the 4th dimension of design.

Building benefits.

Well-designed escalator lighting makes buildings more attractive, improves safety levels, and gives clear guidance to people using your store, shopping mall,

station, etc. By installing the right kind of escalator lighting, you can subtly guide people where you want them to go.

Leading lights.

An attractively lit escalator not only attracts people to your building, it increases the chance that they come again. Since lighting has a proven impact on people's moods, you can increase their propensity to spend money or stay in your building longer – and that's good for your business.



CONTENTS

02

The optical boost to your building

04

Decorative lighting

10

Traffic lights

15

Safety lighting

16

Lighting options

18

The future of urban mobility

Specialist expertise.

TK Elevator knows how to let your escalator appear in the best possible light. For a new escalator, you can choose the very latest lighting options to ensure your escalator enhances the ambience of the entire building. For existing escalators, we can offer you an impactful refurbishment. TK Elevator not only has a wide variety of escalator lighting elements, it can also fulfill any number of specific wishes.

A photograph of a modern escalator with a curved glass railing. The railing is illuminated with a vibrant blue light that creates a strong visual rhythm and depth. The escalator steps are visible in the foreground, and the overall scene is set in a dark, minimalist environment.

DECORATIVE LIGHTING

A powerful design element.



Skirt band lighting

Function:

- Supports light and color effects on the step band
- Creates a beautiful ambiance on and around the escalator
- Special effects are impressive when installed with a metal balustrade
- Almost uniform light channel as no shadows are cast and no individual LEDs are visible

Implementation:

- LEDs arranged above the skirt behind a robust diffuser
- Skirt band lighting makes color changes and moving lights possible
- Lighting extends from one handrail inlet to the other and includes the straight and curved sections without interruption



Truss lighting

Function:

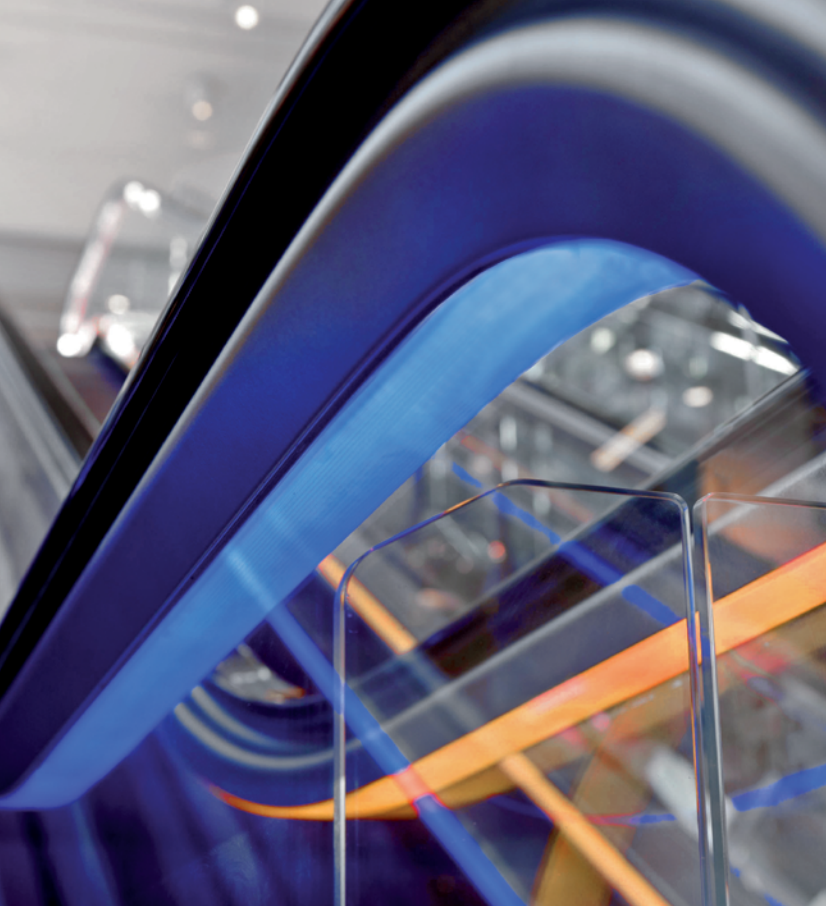
- Attractively plays with light and shadows
- Provides outstanding insights into the working escalator
- Underlines the character of this sophisticated piece of machinery

Implementation:

- LEDs arranged inside the truss
- Outer cladding of either transparent or translucent glass
- Lighting extends from the bottom to the top of the escalator's outer face
- Direct or indirect lighting possible

Enhancing building space

Decorative lighting has the power to radically enhance space. Are you exploiting this potential? Our lighting options give you many possibilities to improve the aesthetic appeal of escalators. Unobtrusive lighting makes escalators appear less bulky. Different colored lighting creates differing moods in a building. Changing colors make an escalator appear less static. If dark areas under or near an escalator are lit up, they instantly become more attractive. Check out all the decorative lighting options we have to offer – for your building's benefit.



Robust balustrade lighting

Function:

- Combines robust mechanical features with decorative lighting
- Gives an indoor or outdoor escalator a sturdy appearance
- Visible from inside and outside

Implementation:

- LEDs arranged in a robust profile under the handrail on the outer side of the glass balustrade
- Lighting extends from one handrail inlet to the other and includes the newels and the straight and curved sections without interruption
- Robust balustrade lighting enables color changes and moving lights
- Suitable for retrofit installation on existing robust balustrade
- Suitable for indoor and outdoor installations



Slim balustrade lighting

Function:

- Handrail appears to be floating on the glass above a slim light-line
- Gives an indoor escalator a pleasantly slim look
- Visible from inside and outside

Implementation:

- LEDs arranged in a filigree profile under the handrail on the outer side of the glass balustrade
- Lighting extends from one handrail inlet to the other and includes the newels and the straight and curved sections without interruption
- Suitable for retrofit installation



Soffit light stripes

Function:

- Accentuates the contours of an escalator
- Gives an escalator a more lightweight look
- Numerous solutions to put the finishing touch to a building's lighting concept

Implementation:

- Contours of the escalator highlighted by LEDs stripes underneath the escalator soffit
- Soffit light stripes enable color changes and moving lights
- Lighting extends from the bottom to the top of the escalator's underside without interruption



Illuminated soffit cladding

Function:

- Allows for a wide range of advertising possibilities
- Maximizes the impact of an advertising message on escalator passengers

Implementation:

- Integrates of company logos, brand names or any other patterns into the soffit cladding and illuminated by LEDs from the inside
- Changing and constant colors available in many combinations
- Advertisements interchangeable

Soffit spotlights

Function:

- Creates optical highlights, e.g. by illuminating the area below an escalator
- Displays a beautiful ambience in the entire building

Implementation:

- Spotlights in the soffit arranged in various positions and quantities to illuminate the space under the escalator
- Can be fitted to any kind of soffit cladding – in any individual way

More attractive architecture

See how the 4th dimension of design can add to the attractiveness of architecture. Our escalator lighting options can do the same for your building.

A close-up, low-angle shot of an escalator. The handrails are a dark blue color. The steps are illuminated with vibrant, multi-colored lights in shades of green, red, and blue. The lighting creates a dynamic, modern aesthetic. The text is overlaid on the upper portion of the image.

TRAFFIC LIGHTS –
LET LIGHT LEAD
THE WAY



Column traffic lights

Function:

- Good visibility at eye level due to installation in a raised column
- Useful advantage for escalator traffic
- Indicates direction and readiness before a user reaches the escalator

Implementation:

- Different colored lights and symbols for indicating direction and readiness
- Several positions possible: left, right or both sides of the escalator
- Several symbols available



Inner decking traffic lights

Function:

- Standard traffic lights for glass balustrades
- Indicates direction and readiness of an escalator

Implementation:

- Clearly visible LEDs installed on the decking profile
- Red/green lighting, traffic symbols and design version available
- No column needed



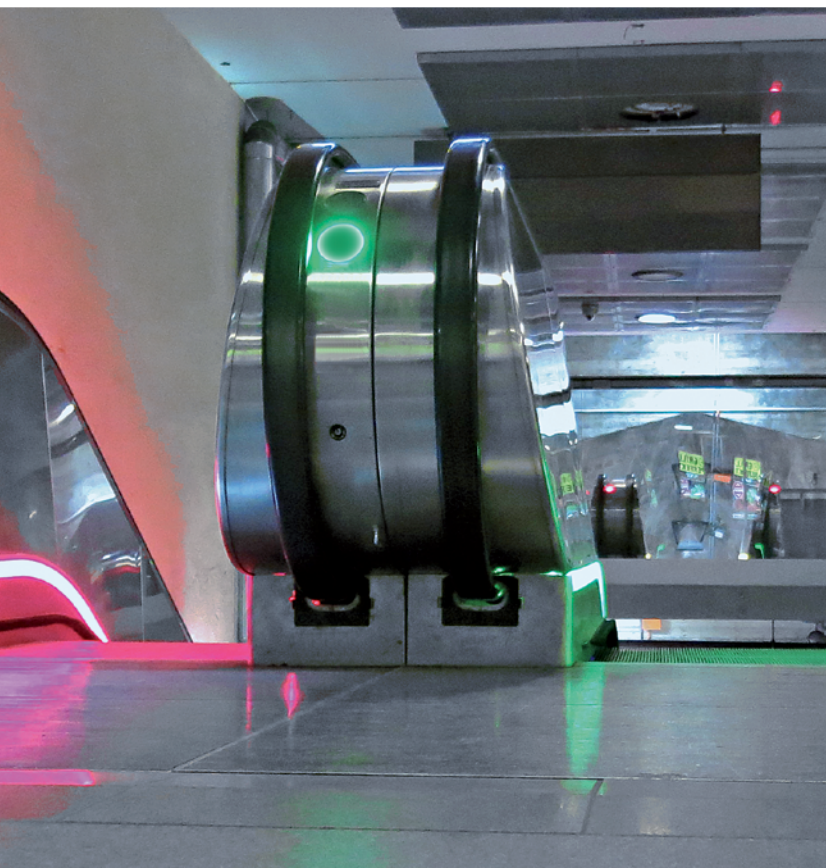
Floor plate traffic lights.

Function:

- Nicely visible from different perspectives and in particular before a passenger stands on the escalator/moving walk
- Improves accessibility, e.g. for people with impaired vision

Implementation:

- Whole width of the floor plate covered
- Brightness automatically adjusts to ambient brightness
- Robust design for all climatic conditions and heavy-duty applications



Traffic lights in newel

Function:

- Standard traffic lights for metal balustrades
- Indicate direction and readiness of an escalator

Implementation:

- LEDs arranged on the front of a metal balustrade
- Red/green lighting or traffic symbols available
- No column needed



Front skirt traffic lights

Function:

- Standard traffic lights for a slim-line balustrade of an iwalk
- Indicate direction and readiness before a user reaches the escalator

Implementation:

- LEDs arranged underneath the lower part of the handrail
- Red and green lights available
- No column needed

Traffic lights in glass newel

Function:

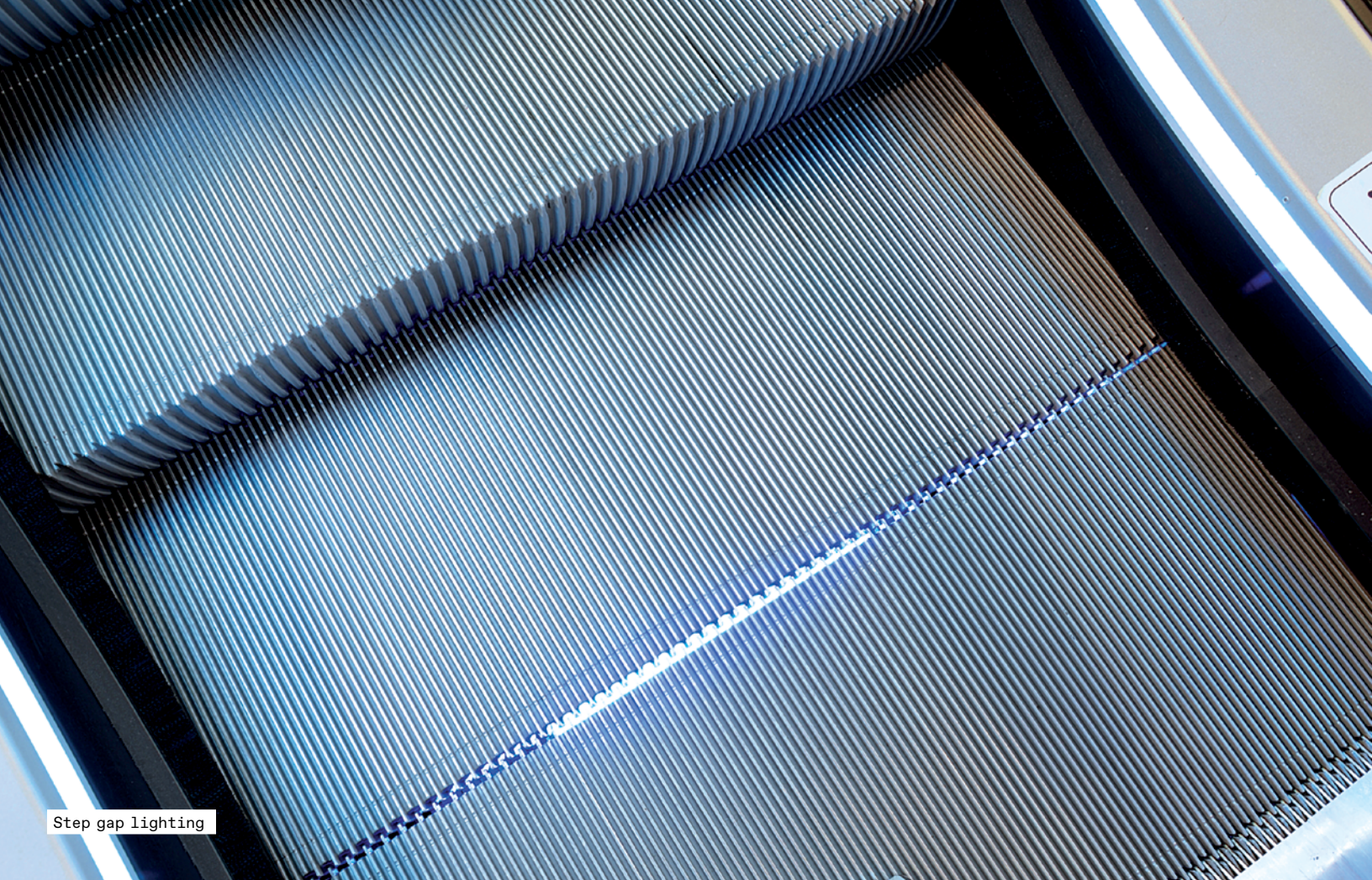
- Attractive design element
- Useful supportive function for other traffic lights
- Provides outstanding insights into the turning wheel of an escalator

Implementation:

- Red and green colored lighting arranged in glass newel
- Large surfaces ensure better visibility from all angles

Useful information for escalator users

Traffic lights indicate the direction and availability of an escalator. Different symbols, signs or colors tell an approaching user that an escalator is running in the desired direction, in the opposite direction or temporarily out of order. Two-way traffic lights are used when an escalator operates in both directions and starts when approached from a specific direction.



Step gap lighting



Comb plate lighting



SAFETY LIGHTING – ESSENTIAL AND EYE-CATCHING



Step gap lighting

Function:

- Enhances passenger safety
- Helps passengers entering the escalator to step onto the tread surface safely
- Helps leaving passengers to identify the end of the escalator and avoid stumbling

Implementation:

- LEDs clearly indicate the edges of the steps
- Green or blue colored lighting available

Comb plate lighting

Function:

- Makes potential danger spots more visible
- Helps to prevent passengers from stumbling or getting trapped

Implementation:

- Illuminates the transition from the fixed comb plate to the moving steps
- Ensures at least 50 lux at the comb intersection line in case of insufficient ambient light
- Also available as traffic lights

Safety first on your escalator

Safety lighting plays a key role in any escalator lighting scheme. It increases users' awareness of where special care is needed to reduce accident risk.

LIGHTING OPTIONS – AT A GLANCE

All available lighting options are listed below. Thanks to LEDs, the lifetime of the white color option is over 50,000 operating hours and of the color option is over 25,000 operating hours. All lighting options can be retrofitted.

Decorative lighting at a glance								
	Slim balustrade	Robust balustrade	Skirt band	Truss lighting	Ambient cladding	Soffit spotlights	Soffit light stripes	Soffit cladding
Type/Color								
White, RGB	✓	✓	✓	✓	✓	✓	✓	✓
Status								
Constant	✓	✓	✓	✓	✓	✓	✓	✓
Color changes	✓	✓	✓	✓	✓	✗	✓	✓
Moving lights	✗	✓	✓	✓	✓	✗	✓	✓
Climate class								
All climates	✗	✓	✓	✗	✗	✗	✗	✗
Indoor	✓	✗	✗	✓	✓	✓	✓	✓
Available in								
velino	✓	✓	✓	✓	✓	✓	✓	✓
tugela	✗	✓	✓	✓	✓	✓	✓	✓
victoria	✗	✓	✓	✓	✓	✓	✓	✓
orinoco	✓	✓	✓	✓	✓	✓	✓	✓
iwalk	✓	✓	✓	✗	✗	✗	✗	✗

Traffic lights at a glance

	In floor plate	In inner decking	In front skirt	In newel	In glass newel	In column
Type/Color						
Red, green	✓	✓	✓	✓	✓	✓
One way	✗	✓	✗	✓	✗	✓
Oncoming traffic	✗	✗	✗	✗	✗	✓
Status						
Switch	✓	✓	✓	✓	✓	✓
Constant	✗	✓	✓	✓	✗	✗
Climate class						
All climates	✓	✓	✓	✓	✓	✓
Available in						
velino	✓	✓	✗	✗	✗	✓
tugela	✓	✓	✗	✓	✗	✓
victoria	✓	✓	✗	✓	✓	✓
orinoco	✓	✓	✗	✓	✗	✓
iwalk	✓	✗	✓	✗	✗	✓

Safety lighting at a glance

	Step gap	Comb plate
Type/Color		
Green, blue	✓	✗
White, green, blue	✗	✓
Status		
Constant	✓	✓
Flashing	✗	✓
Climate class		
All climates	✓	✓
Available in		
velino	✓	✓
tugela	✓	✓
victoria	✓	✓
orinoco	✓	✓
iwalk	✓	✗

TK ELEVATOR MOVES PEOPLE

The future of urban mobility.

In 40 short years, we've become one of the world's leading elevator companies with unique engineering capabilities, offering next-generation solutions like MULTI, the ropeless elevator, ACCEL, an accelerated people mover, and MAX, a cloud-based predictive maintenance service. Whether building a new state-of-the-art system or optimizing and modernizing existing ones, our solutions deliver crucial energy and time efficiencies, helping to address the challenges of urbanization and transform cities into the best places to live.

customers in countries

100+

sales and service locations

900+

sales over

\$8.5
billion

employees

50,000+

A trusted partner

We support our customers throughout their project lifecycle, from the design to the end-of-life phase. Every step of the way, we strive to fully understand their needs and consistently deliver the safest, highest quality passenger transportation solutions, maintenance and modernization packages.

Through our internal technical support function, International Technical Services Americas, TK Elevator trains its service technicians in a multibrand portfolio, enabling them to successfully service more than 1.2 million units under maintenance.

TK Elevator worldwide

Driven by global megatrends such as urbanization and the need for efficient use of environmental resources, our global community of more than 50,000 colleagues works together with our customers to harness our engineering expertise and strive for technological and business solutions that satisfy the demand for "more" in a "better" way.



Makkah Clock Tower/Source © SL Rasch



View from One World Trade Center



TK Elevator Quartier



Mercedes Benz

We provide smart and innovative products for a wide variety of applications:

- ▾ Passenger and freight elevators
- ▾ Escalators and moving walks
- ▾ Passenger boarding bridges
- ▾ Stair and platform lifts
- ▾ Customized service and modernization solutions

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