

Elevator Technology

UV-C handrail sterilization

for escalators and moving walks



thyssenkrupp



We're making escalators and moving walks a healthy space.

Millions of people ride escalators and moving walks daily, and germ transmission reduction is in the forefront of all of our minds. As the global population becomes more vigilant about the spread of germs, providing cleaner handrails is one avenue to address this risk

Sterilizing high-risk surfaces

Touched by every passenger, handrails are high-risk surfaces for bacteria and virus transmission. Periodic manual disinfection is possible, but to be truly effective in reducing disease transmission, and to give passengers confidence to hold your handrails, a continuous solution is vital.

We're offering continuous handrail sterilization

To meet the needs and challenges of the current situation, we're offering the LED UV-C Handrail Sterilization for escalators and moving walks from EHC Global, Inc.

Installed in the interior of the escalator or moving walk, the module uses UV-C wavelengths to continuously eliminate microbes from the handrail surface. Studies have shown UV-C wavelengths to be effective against bacteria and viruses through penetrating their cells and damaging the DNA or RNA containing their genetic code.



Contact

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Internal mounting protects passengers

The LED UV-C Handrail Sterilization solution is mounted internally. This eliminates risk of entrapment, damage from impact or vandalism and obstruction of ingress or egress access. Built-in side reflectors are used to irradiate the entire handrail surface including the sides. Multiple modules may be used for longer handrails.

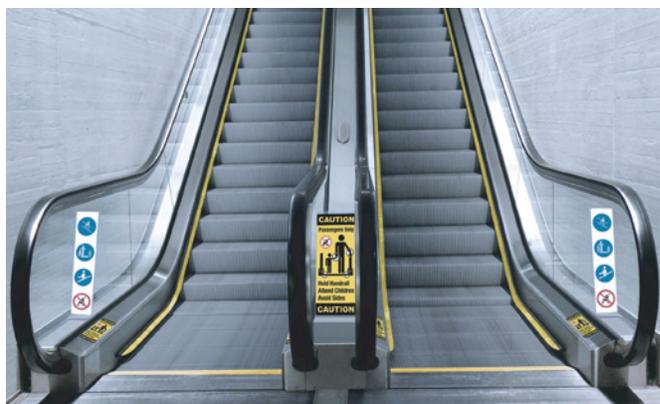
When installed by a licensed technician, the module won't compromise the structural integrity of NT thermoplastic polyurethane or TufFlex rubber handrails.



Hassle-free installation

thyssenkrupp Elevator will mount the module inside your escalator or moving walk and ensure the handrail continues rotating smoothly. The module requires a 12-volt supply from the key switch circuit or main power source to ensure the light only operates when the escalator handrails are moving.

Displaying signs showing the handrails are receiving continuous disinfection will make passengers feel more comfortable holding the handrails. Consult your local thyssenkrupp Elevator sales representative to discuss a signage solution.



Technical details

Input Voltage: 12 VDC +/- 10%

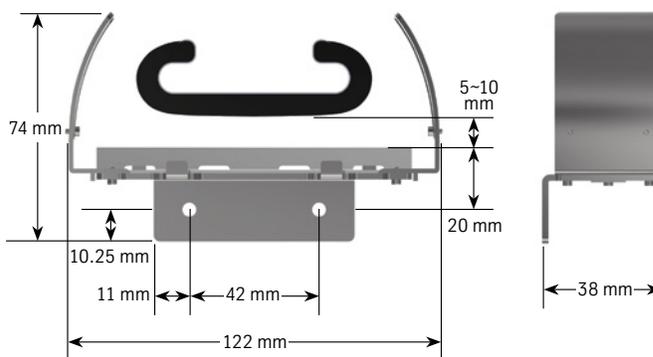
Input Current: 500 mA (maximum)

Lighting Color: 278 nm (peak wavelength)

UV-C LED Light Bar Current: 150 mA DC +/- 3%

UV-C LED Light Bar Optical Power: 46 mW +/- 10%

UV-C LED Peak Wavelength: 275 nm +/- 3 nm



LED UV-C Handrail Sterilization product performance claims are based on manufacturer statements and have not been independently tested or verified by thyssenkrupp Elevator. Actual results will vary based on environmental and other conditions.

Visit <https://www.ehc-global.com> for claim support and related information.