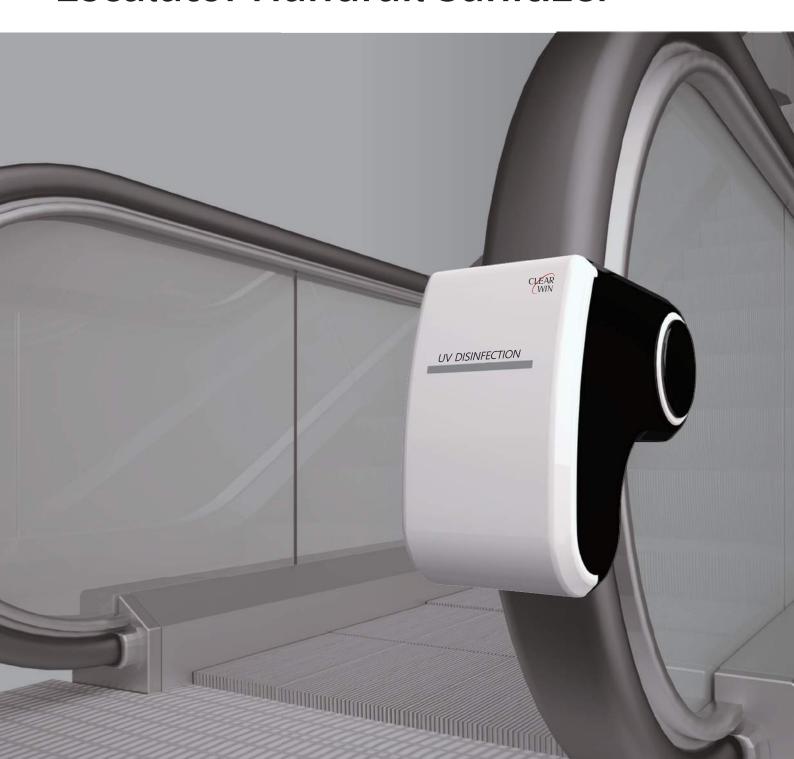
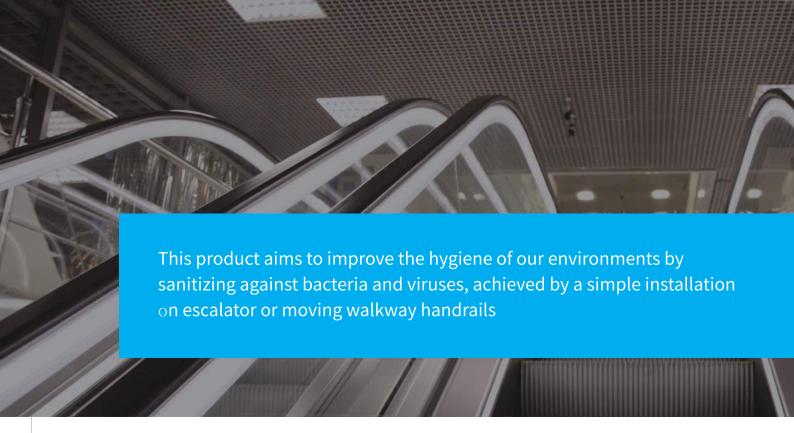


Non-Powered Escalator Handrail Sanitizer





Characteristics



Continuous sanitization

Strong and continuous sanitization along with escalator drive



Easy installation

Maintain existing facilities as they are



Compact and safe design

No disruption to the passenger



UV-C Sanitization

99.99% UV-C sanitization most suitable method for handrails



Self generation

Safe self generation method without the danger of electrical hazards



Promotional printing

Company logo printing is available on the front cover



Sefety

Multiple safety devices to prevent finger entrapment





Escalators and Moving walkways installation facility











PRODUCTS

| SUS TYPE |

For stainless steel balustrade escalators/walkways

| GLASS TYPE |

For tempered glass balustrade escalators/walkways

■ STANDARD VERSION

Original patent design





■ WIDE VERSION

Improved safety feature design







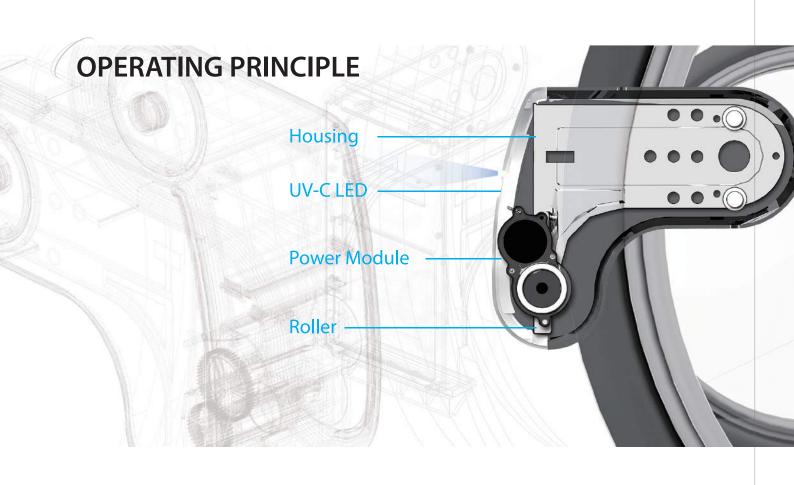
Strong L-shape structure
Stainless steel



Effective Ultra Violet C-wavelength
Dual UV-C LED lamp



Convert rotary motion of handrail into electric power











SPECIFICATION

Product name	CLEARWIN	Generator output	24V, 4.0~4.5W
UV-C LED lamp	6.5mW Wavelength: 265nm	Cover	PC ABS Black and White
Product size	130x220x260mm	Origin	Made in Korea
Prodcut weight	GLASS: 2.8kg / SUS: 1.8kg	Patent No.	10-1665676



Comparison between UV-C sanitization and other sanitization methods

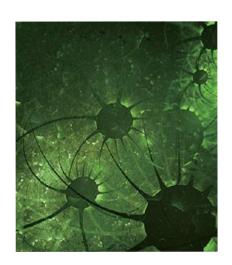
	UV-C sanitization	Heat sanitization	Ozone sanitation	Chemical sanitation	Radio- sanitation
Sanitation of mycetoma	Effective against all	Effective against all	Effective against all mycetomas	Effective against specific	Effective against all
Physical property change (Handrail)	Little change	Occasional	Occasional	Occasional	Little change
Permeability	No permeability (except air and water)	Effective even inside the object	Effective on the object surface	Effective even inside the object	Effective even inside the object
Sanitation time	Short	Considerably	Long	Considerably	Short
Usage	Easy	Occasionally	Difficult	Easy	Difficult



UV-C Sanitization dose not corrode or deform material unlike other harsh chemicals of heating systems



This CLEARWIN device can be easily installed even when the escalator is in motion.



Effective sanitization against bacteria, viruses and germs.

Certified for sanitization against Staphylococcus Aureus and E. Coli and Coronavirus

by using the germicidal duel UV-C LED lamps.

TEST REPORT



KoZRI (Korea Zoonosis Research Institute)



KCL (Korea Conformity Laboratories)

CERTIFICATE



Legal approval and recommendation by Korea Government Safety Department.



Patent USA



CE



UL

Certified by

KCL (Korea Conformity Laboratories) / Korean Intellectual Property Office KOZRI (Korea Zoonosis Research Institute) / UL, USA (UL-CA-2000959-0) Ministry of Public Safety and Security, Korea. (Escalator Safety section-1248)

Hygiene is not an option, it's essential.













WMATA - USA



Texas Houston Airport - USA



Arsnal Football Club - UK



Manchester Airport - UK







Okinawa Na Ha Airport - Japan SM MEGAMALL - Philippines Samitivetch Hospital - Thailand



CapitaLand - Singapore



Emirates HQ - UAE



Grand mosque - Saudi Arabia



COSTCO - Korea



CGV - Korea

