

Non-Powered Escalator Handrail Sterilizer





Characteristics



Continuous sterilization

Strong and continuous sterilization along with escalator drive



Easy installation

Maintain existing facilities as they are



Compact and safe design

No interruption to the passenger



UV sterilization

98% UV sterilization - most suitable method for handrails



Self generation

Safe self generation method without the danger of electrical hazards



Promotional printing available

Company logo printing is available on the front cover



Safety

Multiple safety devices to prevent hand stuck

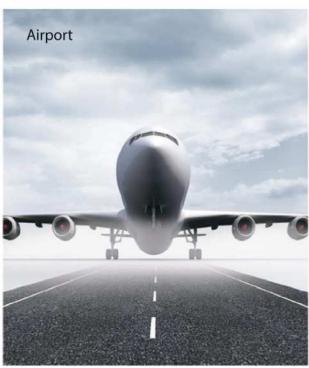




Escalators and Moving walks installation facility









PRODUCTS



Stainless steel type (Metro, subway)



Tempered glass type (Airport, Hotel, Shopping mall, Hospital...)



Strong L-shape structure Stainless steel



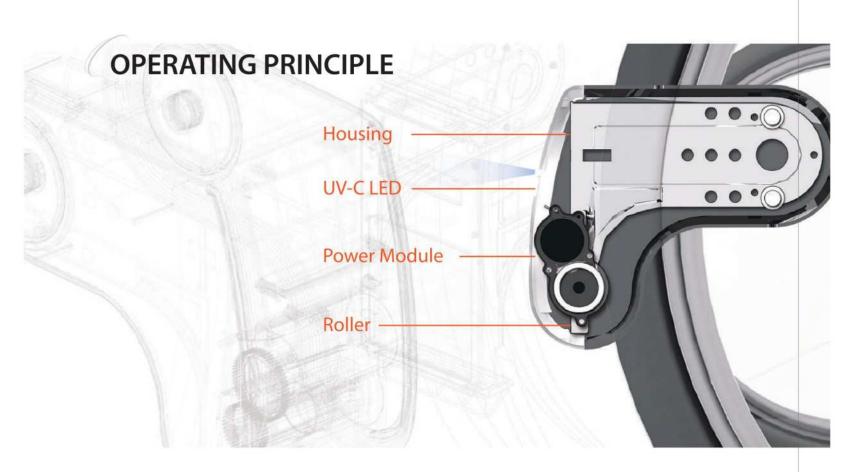
Strong Ultra violet C-wavelength Dual UV-C LED lamp

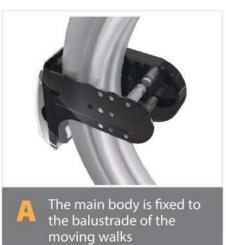


Convert rotary motion of handrail into electric power

SPECIFICATION

Product name	CLEARWIN	Generator output	24V, 40~50W
LED UV lamp	0.5~6.5W Wavelength:275mm	Cover	PC ABS Black and white
Product size	130x220x260mm	Origin	Made in Korea
Prodcut weight	GLASS:2.8kg / SUS:1.8kg	Patent No.	10-16665676













Comparison between UV sterilization and other sterilization methods

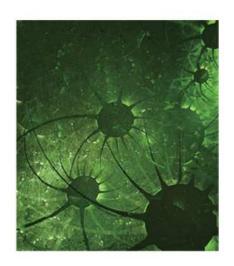
	UV sterilization	Heat sterilization	Ozone sterilization	Chemical sterilization	Radio- sterilization
Sterilization of mycetoma	Effective against all	Effective against all	Effective against all mycetomas	Effective against specific	Effective against all
Physical property change (Handrail)	Little change	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
Sterilization time	Short	Considerably	Long	Considerably	Short
Usage	Easy	Occasionally	Difficult	Easy	Difficult



UV-C disinfection method doesn't deform other than chemicals or heating system



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



Sterilization effectiveness to all bacteria



TEST REPORT





CERTIFICATE









Patent CE PCT

Certified by

Korean Environment & Water Works Institute / Life, Environment & Food Institute FITI Testing & Research Institute / Korea Testing & Research Institute

This is not for choice, this is essential













Church





GBG Subway Station



Hyundai Department Store



LG Building



LOTTE Hotel



Posco Town in China



Seoul CityHall



Severance Hospital



SRT(Korea express train)



Taiwan Hospital



Taoyuan Airport Taiwan



