

TEL: 0086-13761369179 Web: www.elespares.com | E-mail: info@elespares.com

Escalator Handrail Sterilization Lamp

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Using the high reliability UVC LEDs from Seoul Viosys which is a leading compound semiconductor solution provider globally, the world's first ultraviolet LED technology owner whose product is proven to sterilize new coronaviruses. Long life span of 10000hrs, 3 sides LED design, Triple Irradiance, no dead-end virus sterilization for escalator handrails.

Lens design optimize the UVC transmission and reduce harm to human from the light leakage



Applications

♦ Escalator Handrail Sterilization

Advantages

- ♦ High UVC-LED application efficiency, Use Seoul Ultraviolet LED solution
- ♦ Lens design to control light beam transmission, optimize UVC efficiency but reduce light leakage
- ♦ Aluminum body give High heat dissipation and reduce weight
- ♦ Modular design to reduce maintenance cost and increase flexibility to customers' needs
- ♦ Dust cover can protect the lamp not affected by the dust during escalator operation

Standards

- ♦ Conformity with CE/EMC EN55015:2013/A1:2015
- ♦ Conformity with RoHS Directive EN62321 -2:2014 ,EN62321-3-1:2014 -Pb, Cd, Hg, Cr+6, PBBs & PBDSs 6 substances complies to RoHS standard.





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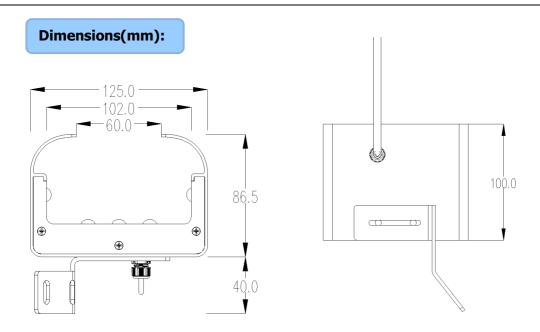
Specifications

* Electrical/Optical Characteristics Rating (Ta=25°C)

Specifications	Handrail UVC Lamp		
Model No.	ES-24V-04W	ES-24V-06W	ES-24V-12W
Colour	UVC	UVC	UVC
Wave length CCT)	270-280nm	270-280nm	270-280nm
Input Voltage	24VDC	24VDC	24VDC
Rated Current	<0.18A	<0.3A	<0.65A
Initial Irrandiance uw/cm2 @15mm	400	450	1650
Total Output Power	4W	6W	12W
Beam Angle Range	120°	120°	120°
Life Span(at 25℃)	> 5000 hrs	> 10000 hrs	> 10000 hrs
Off & On times	> 30000 times	> 30000 times	> 30000 times
Tested Sterilization time (Escherichia coli)8099, @15mm, Antibacterial Rate 99.99%	45s	15S	5S
Operating Temperature	-25℃ -/+ 50℃	-25℃ -/+ 50℃	-25℃ -/+ 50℃
Storage Temperature	-30℃ -/+ 70℃	-30℃ -/+ 70℃	-30℃ -/+ 70℃
Ingress Proection	IP65	IP65	IP65
Dimmable	Yes	Yes	Yes
RoHS	Yes	Yes	Yes
Irradiation area	95*95mm	95*95mm	95*95mm
Best Sterilization Distance (Vertical distance between light emitting, surface of lamp and handrail)	<=15mm	<=15mm	<=15mm
LED Brand	Seoul	Seoul	Seoul
LED Quantity	15PCS 3030	24PCS 3030	15PCS 3030*6+3535*9
Housing	Aluminium 6063	Aluminium 6063	Aluminium 6063
Lens	Quartz Glass	Quartz Glass	Quartz Glass



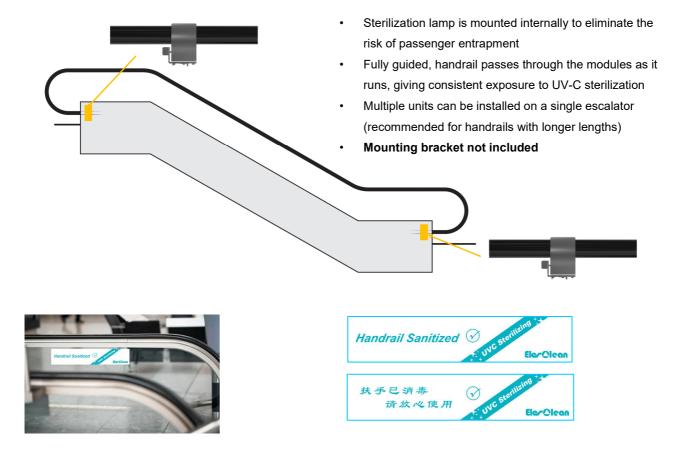
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%Notes: 1,Unless otherwise stated, The tolerance is ± 0.5 mm. All dimensions are in millimeters

2, Cable length:3m or made to customer's order

Installation:



^{*}Indication label will be provided with products to be pasted on balustrade



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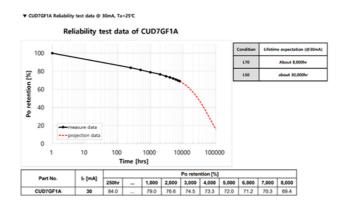
Sterilizing effect report:



UVC Safety Test Report



LED Reliability Test Report



Notice:

- Power supply used has to be with suitable voltage and current.
- ♦ On lighting up the Lamp, please use power supply with 20% more than the rating power.

Warning:

- ♦ Do not cut the wire while it is connected to the power supply.
- ♦ Do not exceed rated voltage.
- Do not force pulling the string
- Do not torture the string
- UV-C products present minimum risk when used by professionals who know how to use them.
 They must shield their eyes and skin to avoid light damage and severe injuries to the eyes and skin.
- ♦ At this moment, none of our UV-C products are certified or approved under any applicable laws as a medical device and as such, Signify and/or any of its group companies do not currently intend for them to be used as medical devices anywhere in the world

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