Schindler Escalators & Moving Walks
Handrail Ultra UV device

Comparative table:

<table>
<thead>
<tr>
<th>Solution</th>
<th>Schindler Ultra UV device</th>
<th>Traditional UV lamp</th>
<th>Ordinary chemical disinfectants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation location</td>
<td>Inside the unit</td>
<td>Outside the unit</td>
<td></td>
</tr>
<tr>
<td>Disinfection principle</td>
<td>Damage to the genetic material of bacteria and viruses</td>
<td>Damage to the genetic material of bacteria and viruses</td>
<td>Inactivate bacteria and viruses by acting on their proteins</td>
</tr>
<tr>
<td>Lighting type</td>
<td>LED</td>
<td>Mercury or halogen lamps, etc.</td>
<td>UV lamp</td>
</tr>
</tbody>
</table>
| Disinfection effect    | Continuous and automatic disinfection of the surface from bacteria and viruses | Continuous and automatic disinfection of the surface from bacteria and viruses | • Manual cleaning is not always possible
• Difficult to guarantee absolute disinfection
• Risk of secondary pollution |
| Benefits for users     | • Installation inside the unit provides invisible protection for passengers
• Physical disinfection with no chemical or heavy metal residue
• Green and energy efficient | • Installation outside the unit causes potential safety risks
• May have chemical or heavy metal residues
• Higher energy consumption compared with LED lighting
• Chemicals irritate skin
• May corrode the surface of handrails |

The Schindler handrail Ultra UV device can be added to new installations as an option. Furthermore, it is suitable for jobsite-friendly modernization of existing units.

www.schindler.com

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Comprehensive safety solutions

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Handrail sanitization solution

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We Elevate
Schindler Multiple Handrail Sanitization Solution
Advanced hygiene protection for passengers

Viruses and bacteria may be transferred through contact with the handrails of escalators and moving walks, posing a potential health hazard. Public areas with dense passenger flow are fast channels for the spread of viruses and bacteria. The question of how to clean handrails most efficiently has become a matter of great urgency.

Multiple solutions

1. DNA is the abbreviation for deoxyribonucleic acid.
2. RNA is the abbreviation for ribonucleic acid.
3. Schindler Escalators & Moving Walks
4. Handrail sanitization solution
5. Professional Schindler Maintenance Services
6. CleanRail
7. Ultra UV
8. Ultra UV PRO
9. Schindler handrail Ultra UV device
10. Schindler’s handrail Ultra UV device uses germicidal UVC light to irradiate the handrail at a short distance. This directly damages DNA and RNA, which are the genetic materials of bacteria and viruses, preventing their rapid spread, and also provides a comfortable handrail surface for passengers.
11. Thanks to the physical disinfection process using UVC light, handrails are disinfected in an efficient and environmentally friendly way. The device is installed inside the escalator or moving walk to ensure passenger safety. The design makes it easy to install. The Schindler handrail Ultra UV device is a practical solution to help prevent the rapid spread of bacteria and viruses.

Sanitization solutions can be selected individually or combined to achieve a higher standard of hygiene protection.

The Ultra UV device requires the use of either Ultra UV or Ultra UV PRO.

UVC light is invisible. The red light in the images of this publication serves as an operation indicator.

Higher-efficiency disinfection

Before

After

Ultra UV

Ultra UV PRO