**LED Handrail 40x40mm, Outdoor, Asymmetrical Light Distribution** for Private and Protected Public Areas

LED Handrail profile:

* Stainless steel grooved profile tube 40x40x1.5mm with ribs for direct clipping of the plastic cover
* Longitudinally welded, with weld seam in the groove. Weld seam brushed on the outside
* Batch number and material grade in the groove
* Surface: axially polished grain similar to K240/320
* Material: ............ (please enter – **1.4301/07 (AISI 304) or 1.4401/04 (AISI 316 L)**)

PMMA Plastic Cover for Direct Clipping into the Grooved Profile Tube with Ribs:

* Material: PMMA, UV and weather-resistant, with high fracture strength and impact toughness. Glow wire test according to DIN IEC 60695-2-12 up to 675°C. Fire rating B2 according to DIN 4102 or HB according to UL-94 classification.
* Light output / light distribution: asymmetrical – clear plastic cover with special prism shape for asymmetrical light distribution and continuous, even illumination of the path/staircase.

Single-sided handrail 85cm for up to 1.6-1.8m staircase/path width.

Double-sided handrail 85cm for up to 3.5-4m staircase/path width.

* Suitable for direct clipping into curved LED handrail profiles ø42.4mm or 40x40mm, both with ribs. For a bending radius of at least 2.0m, no pre-bending of the cover is required; it can be directly clipped in.

Light Source:

* LED strip IP65, self-adhesive, flexible, 24VDC, lifetime > 50,000 h, CRI>90, divisible every 50mm, dimmable, customized for the project.
* Power: ............ (please enter – **5W/m, 10W/m, or 15W/m (custom options available)**)
* Color temperature: ............ (please enter – **2700K, 3000K, 4000K (custom options available)**)

Accessories for Outdoor Use or Curved Handrails:

* Closure (end closure and intermediate closure) made of stainless steel AISI 316 (1.4401/04 - AISI 316) for direct tensioning in the LED handrail profile with ribs, no additional drilling or welding required. Allows thermal expansion of the cover underneath the closure without creating gaps, enables non-destructive removal of the cover for maintenance, improves insect protection, better retention of the cover on curved handrails
* End closure for securing the profile ends and base mounting
* Intermediate closure for securing between two plastic profiles

Manufacturer: LUX GLENDER GmbH  
System: BASIC