**LED Handrail insert Alu-WOOD, Outdoor, Asymmetrical Light Distribution** for Private and Protected Public Areas

LED Handrail profile:

* Insert for wooden handrails made of aluminum. U-profile 30x27x3mm with ribs for directly snapping in the cover or a plastic light fixture.
* Surface: natural
* Material: EN-AW6060

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

* Material: PMMA, UV and weather resistant, with high break resistance and impact toughness. Glow wire test according to DIN IEC 60695-2-12 up to 675°C. Fire rating class 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, each with ribs. Up to a bending radius of a minimum of 2.0m, pre-bending of the cover is not required, and it can be clipped in directly.

Light Source:

* LED strip IP65, self-adhesive, flexible, 24VDC, lifetime > 50,000 h, CRI >90, cuttable every 50mm, dimmable, customized for the project
* Power: ............ (please specify – **5W/m, 10W/m,** or **15W/m (special entry possible)**)
* Color Temperature: ............ (please specify – **2700K, 3000K, 4000K** **(special entry possible)**)

Alternative Accessories for Outdoor Use or Curved Handrails:

* Closure (end closure and intermediate closure) made of stainless steel V4A (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 below the closure without creating gaps, enables non-destructive disassembly of the cover in case of maintenance, increases insect protection, provides better support of the cover in curved handrails
* End closure for sealing the ends of the profile and base mount
* Intermediate closure for sealing between two plastic profiles

Manufacturer: LUX GLENDER GmbH

System: BASIC / ALU-WOOD