

# liniLED®

HANDRAIL BROCHURE



reddot award 2015  
winner



**liniLED® Handrail**  
European quality, design & manufacturing



## Handrail

The stainless steel (AISI 316) liniLED® Handrail is a revolutionary LED based handrail system that provides functional lighting for a safe environment. It has the same light benefits as a LED fixture: durable, energy efficient and available in various luminous intensities and lighting colours. The maximum unit length of the handrail is 6 metres and can easily be connected mechanically or by welding.

The liniLED® Handrails are available in several shapes: rectangular, square and round (Ø42.4 mm and Ø48.3 mm).

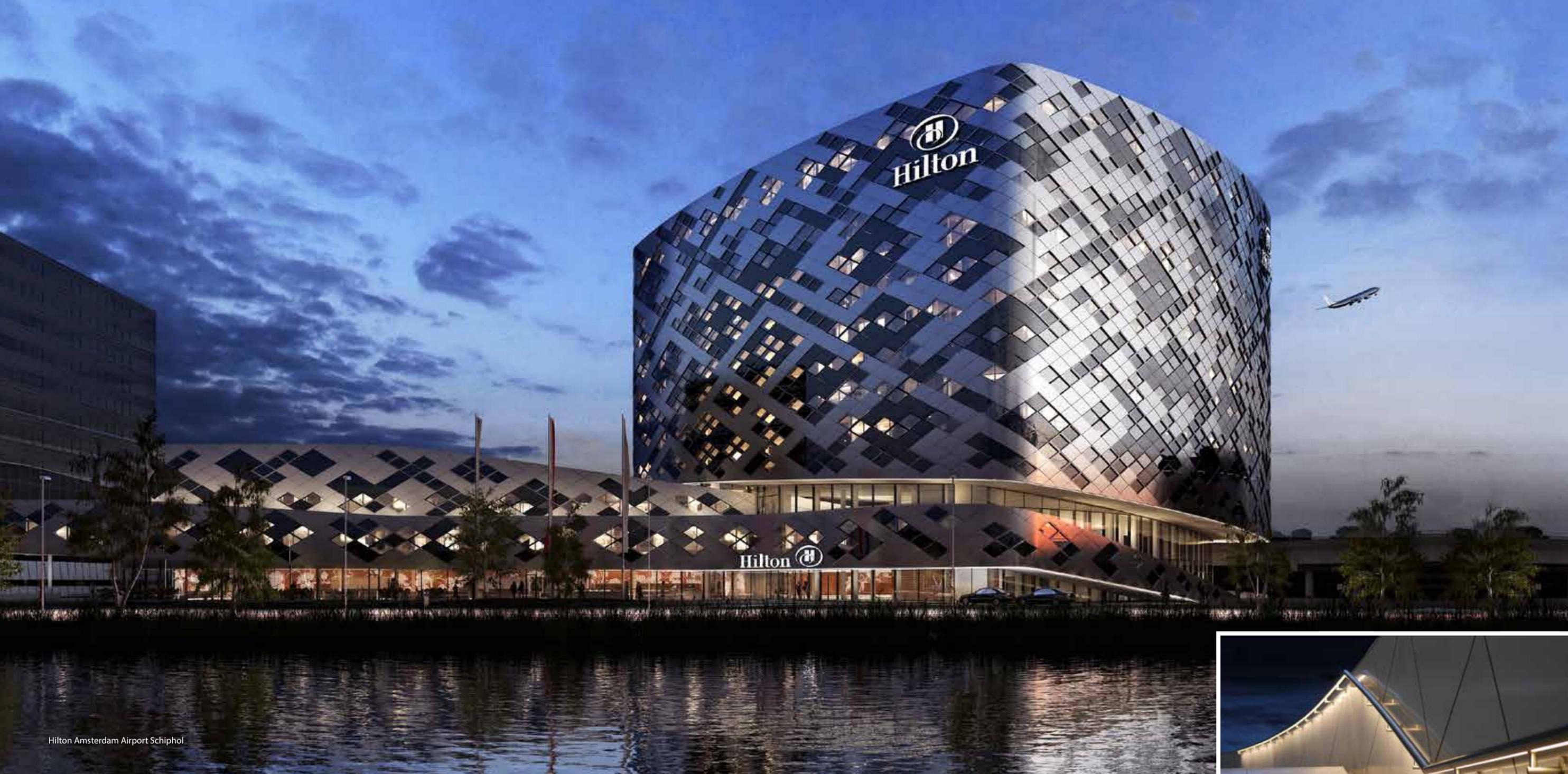
### Why choose the liniLED® Handrail?

- European quality, design & manufacturing
- Durable materials, stainless steel (AISI 316, IK10)
- Available in various shapes/dimensions
- Beautiful continuous light line
- Symmetrical & Asymmetrical
- High quality liniLED® LED strips
- Various light colours & luminous intensities
- Available with high luminous flux
- Dimmable & low power consumption
- Designed for quick & easy installation
- Wall mounting & post mounting
- Indoor & outdoor



reddot award  
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Hilton Amsterdam Airport Schiphol



## Continuous light line

The liniLED® Handrails are integrated with high quality, flexible liniLED® LED strips. They are available in several luminous intensities (Deco, Power, High Power, Photon, Tunable White and RGB) and lighting colours (2000K up to 6500K, Red, Green, Blue and Amber). The special couplers ensure a continuous light line, without any interruption.

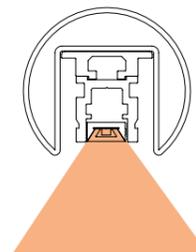
The liniLED® Handrail components are designed for quick and easy installation and maintenance. Thanks to the smart design of the profiles, the power cables are fully integrated in the brackets and adapters.

### Asymmetrical light effect

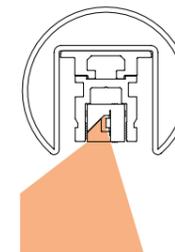
The liniLED® Handrails come standard with Top LED strips. These strips are suitable for all handrails. For an asymmetrical light effect the liniLED® Handrail 48.3 mm and Side LED strips should be combined. Ask us about the customised options.

Consult the datasheets for more information.

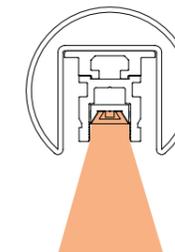
“The special couplers ensure a continuous light line, without any interruption.”



**Symmetrical**  
Handrail 48.3 with Top LED strip  
Product code: 12049



**Asymmetrical**  
Handrail 48.3 with Side LED strip  
Product code: 12134



**Diffuse**  
Handrail 48.3 with Top HP LED strip  
Product code: 12134



## Easy installation

The liniLED® Handrails can be wall mounted or post mounted. Thanks to the special design, the brackets and adapters can move freely in the profile to ensure a continuous light line. The exact position of the brackets and adapters can be modified during installation.

When post mounting, the liniLED® Handrail can be delivered with several infill options, e.g. glass, cables, kneebars, etc. It is possible to prefabricate the posts. For example: if glass infill is desired, the posts can be customised with glass clamps.

Ask us about the customised options.

**“The liniLED® Handrails can be wall mounted or post mounted.”**



Post mounting



Wall mounting



Glass infill option



Glass wall/ Panel mounting



## Diffuse light effect

The liniLED® Handrail is standard delivered with a protective cover. Depending on the desired light effect, you can choose between a clear, frosted or diffuse cover. When using the clear cover, the light dots of the liniLED® LED strips are visible. In case a more 'diffuse' light effect is desired, the frosted cover is the right choice. By using the frosted cover, the light dots of the LED strips are 'blurred' and glare is reduced (-45%). The maximum diffuse effect can be reached by using the liniLED® Handrail 48.3 mm (product code: 12134) in combination with the liniLED® Top High Power LED strip and the diffuse cover.

**"Depending on the desired light effect,  
you can choose between a clear,  
frosted or diffuse cover."**



Clear



Frosted



Diffuse (only for 48.3)



## Handrail composition

As each lighting project is unique, all the components of the liniLED® Handrail are professionally customised. Therefore it is of great importance to provide a fully dimensioned plan, DWG files and detailed drawings, in addition to the basic steps below.

For the complete overview of possible steps and costs, please visit our website: [www.liniLED.com/request-for-quotation](http://www.liniLED.com/request-for-quotation)

### Step 1: LED strip | Luminous intensity & colour

The liniLED® Handrails come standard with Top LED strips. For an asymmetrical light effect the liniLED® Handrail 48.3 mm and Side LED strips should be combined.

All LED strips are available in several luminous intensities (Deco, Power, High Power, Photon, Tunable White and RGB) and lighting colours (2000K t/m 6500K, Red, Green, Blue and Amber).

### Step 2: Shape | Application area

The liniLED® Handrails are available in several shapes: rectangular, square and round (Ø42.4 mm and Ø48.3 mm).

#### Note!

An asymmetrical light effect is only possible with the liniLED® Handrail 48.3 mm. The liniLED® Side LED strip only in combination with the Handrail 48.3 (product code: 12134).

### Step 3: Cover | Clear, frosted or diffuse

The liniLED® Handrails are standard delivered with a protective cover. Thanks to the cover the liniLED® LED strips are protected against violence and/or damage. Depending on the desired light effect, you can choose between clear, frosted or diffuse. The Diffuse cover (product code: 12124) only in combination with the Handrail 48.3 (product code: 12134) and a liniLED® High Power LED strip.

### Step 4: Angles | Standard or customised

There are three standard angles for the liniLED® Handrails: 45°, 90° and 120°.

Other angles can be customised upon request.

### Step 5: Mounting

The liniLED® Handrails can be wall mounted or post mounted. All components are designed for quick installation and easy maintenance. In case of post mounting it is possible to install the liniLED® Handrail with several infill options, e.g. glass, cables, railings, etc.



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