
SIUT

Illuminated Platform Edge

Increased safety, provision of information and punctuality with the Illuminated Platform Edge

Safety

Increased attention on platforms by light signals directly in the floor

Passenger information

Improved orientation and distribution of waiting passengers due to displayed information

Punctuality

Reduced stopping times and content customers by enhanced punctuality of trains

Aesthetic

Adds a stylish, innovative and modern aesthetic element to stations and platforms

SIUT's Illuminated Platform Edge is made up of individual modules that are placed in a row and work together. These modules are constructed with a special type of concrete slab, an integrated light guide and an electronic unit that receives, processes, and translates train-specific data into light signals. Each slab can be controlled independently to display static and dynamic light patterns in a variety of colors.

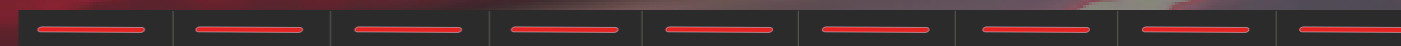
The guidance system, which is built into the floor, presents a wide range of train information in an easy-to-understand and internationally recognizable way. With its ability to display a wide range of information and its data connection capabilities, the Illuminated Platform Edge has great potential for improving safety, guidance, and information provision for passengers and operators. It also adds an aesthetic element to stations and platforms.

Increasing safety on the platform

Illuminating the system in red increases passenger safety, reducing the number of times they enter the danger zone. Additionally, organizing passenger distribution further reduces the number of dangerous situations.

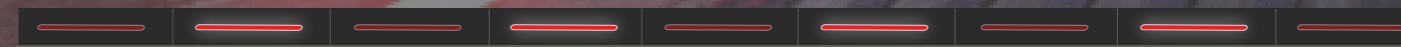
Danger area

A red luminous line along the entire platform edge indicates the danger area and advises passengers waiting not to enter.



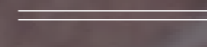
Train entry / Train passage

A flashing red light along the entire platform edge increases passenger attention, indicating the approaching train and urges passengers to step back from the edge.



Door closing / Train departure

A flashing red light while the train doors are closing increases attention and signals that the train can no longer be boarded, making the boarding process safer. It also reduces the number of times the door closing is interrupted, supporting a smooth train departure.



Note: The Illustrations show exemplary display options of the Illuminated Platform Edge. These can be adjusted to individual use cases as required (depending on data availability).

Passenger information on the platform

Optimizing the distribution of passengers on the platform results in shorter boarding and alighting times, as well as reduced train stopping cycles. This improves passenger comfort and punctuality.

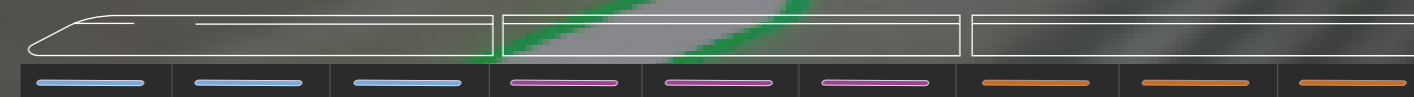
Stopping position / Train length

A green running light indicates the stopping position of the next train before it arrives, encouraging waiting passengers to move to that position in time. The stopping position is visualized with a white static line, making it easy to identify.



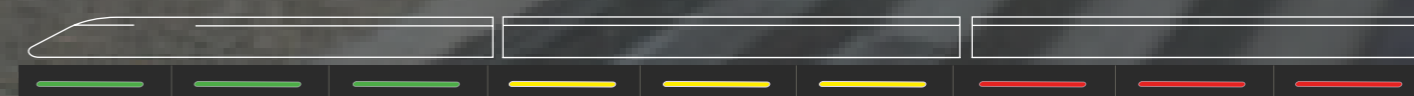
First Class / On-Board Restaurant / Multi Purpose Compartments

Assigning distinct colors to the different train compartments improves passenger orientation and enables them to position themselves on the platform in a timely manner.



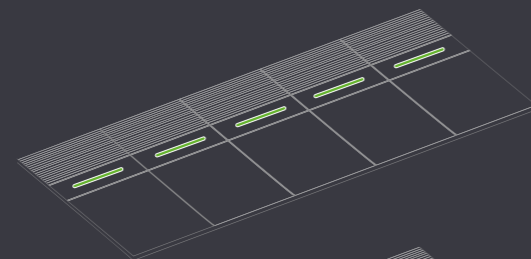
Capacity

Using traffic light colors to visualize the capacity of the train informs waiting passengers about the availability of seats before the next train arrives, helping with an optimal and timely distribution on the platform.

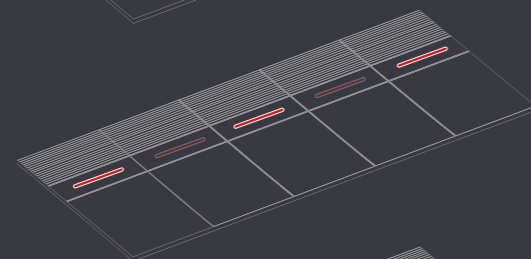


Light patterns

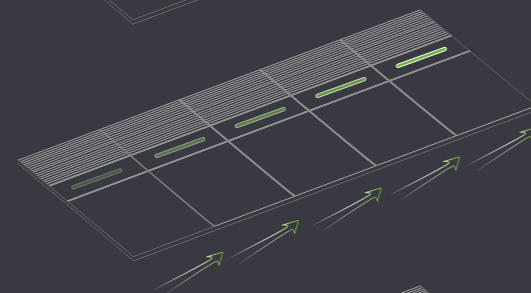
Static line



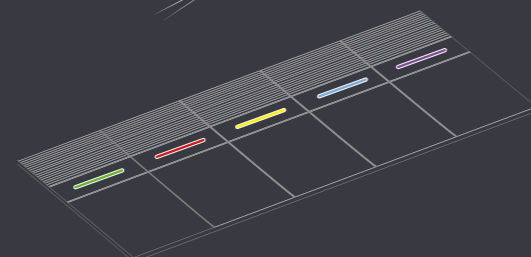
Flashing Light



Running Light



Various colors, continuously dimmable



Technical details

Concrete slab size 150x 595 x 40mm (nominal dimension)

Installation height 45 mm

Concrete slab individual

Surface finish ground, anti-slipping


Surface protection coated at the factory

Lighting technology LED

Light colors RGB spectrum

Operation site indoor and outdoor (IP 68)

We will be pleased to provide technical details and planning documents and present the system in a personal meeting



Our technical experts are available to inform you about the various potential applications of the Illuminated Platform Edge and to collaborate with you to identify specific use cases. Our team will support you throughout all project stages, from initial design and planning to installation, data connection, and commissioning. We also offer ongoing service support during operations.

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