



TRAMLINK LOW FLOOR LIGHT RAIL VEHICLE

Ferrovie Luganesi SA, Switzerland

In August 2018, Ferrovie Luganesi SA (FLP) ordered 9 multi-articulated 100% low floor light rail vehicles of the TRAMLINK type to facilitate the safe, comfortable and sustainable mobility between the city of Lugano and its surrounding area, particularly on Lugano – Ponte Tresa section.

The bidirectional metre-gauge vehicles offer spacious, bright and barrier-free passenger compartments with wide gangways, continuous low floor and several multifunctional areas. The low entrance height and eight wide doors per side facilitate an optimal passenger flow and dwell time. The 45.5 m long and 2.4 m wide light rail vehicles offer capacity for 293 passengers. They comply with extended crash requirements as per EN 15227 C-IV and C-III scenario 1 and 3.

TRAMLINK is a modern, modular, multi-articulated, light rail vehicle with low flooring through. It features innovative real-axle bogies that allow for a quiet and comfortable ride and maximum seating capacity over the bogies, without the need for ramps or steps.

www.stadlerrail.com

Stadler Rail Group

Ernst-Stadler-Strasse 1
CH-9565 Bussnang
Phone +41 71 626 21 20
stadler.rail@stadlerrail.com

Stadler Rail Valencia S.A.

Pol. Ind. Mediterráneo. Mitjera 6
E-46550 Albuixech (Valencia)
Phone +34 96 141 50 00
stadler.valencia@stadlerrail.com



Technical features

Technology

- Bidirectional vehicle
- Lightweight structure made of high-strength stainless steel (duplex)
- Innovative bogie concept with real axles that allows for a quiet and comfortable ride and maximum seating capacity
- Optimal use of the vehicle enveloping gauge

Comfort

- Barrier-free 100% low floor passenger compartment
- Bright, pleasant passenger area with scope for individual design
- Eight double doors with sliding steps per side for a fast flow of passengers
- Efficient HVAC system in passenger area
- Multifunctional areas including two wheelchairs and four bikes places
- Advanced passenger information system

Personnel

- Ergonomically designed driver's cab
- Great visibility from driver's desk
- Modern, screen-based vehicle control system
- Air-conditioned driver's cabs

Reliability / Availability / Maintainability / Safety

- Advanced video surveillance system
- Full structure EN 12663 P-IV and crash EN 15227 C-IV and C-III s1, s3 compliance
- Fire and smoke: EN 45545 compliance
- Compliance with Swiss rail normative AB-EBV

Vehicle data

Customer	FLP
Region	Lugano - Ponte Tresa, Switzerland
Number of vehicles	9
First delivery	2021
Track gauge	1,000 mm
Supply voltage	1,200 VDC
Seats (folding seats)	70 (+28)
Capacity (4pers/m²)	293
Entrance height	340 mm
Length over coupling	45,520 mm
Vehicle width	2,400 mm
Vehicle height	3,590 mm
Doors	Eight double doors per side
Wheel diameter	610 mm
Min. curve radius	20 m
Power traction motor	6x100 kW
Maximum speed	80 km/h