

TW3000 Light Rail Vehicle

HANNOVER, GERMANY



Ulstra Hannoversche Verkehrsbetriebe has contracted the consortium of KIEPE (Lead)

and Alstom to supply 153 TW3000 high-floor light rail vehicles.

Project characteristics

The bidirectional 25.16 meter long LRV is equipped with two powered bogies and one trailing bogie, eight doors (4/side), and a modern passenger information system.

In addition, the interior and exterior of the LRV is equipped with cameras, including the use of cameras as rear view mirror replacements. Ambient LED lighting is being integrated, as is air conditioning for the driver's cab and passenger compartments.

The LRVs are equipped with reliable, state-of-the-art electrical, drive and control system technology from KIEPE.

The light rail vehicles are specially tailored to the infrastructure and characteristics of the city and region of Hannover, and their features meet the growing demands for mobility, ride comfort, and safety.

- Bidirectional operation
 - Air conditioning for the driver and passengers
 - Video surveillance system
 - Rearview cameras
- Passenger counting system
 - Fire alarm system
 - LED ambient lighting

Vehicle data

Vehicle length	25.16 m	Standing places	121 (113)
Vehicle width	2.65 m	Wheel diameter (new / worn)	730 mm / 650 mm
Vehicle height	3.75 m	Contact wire voltage	DC 600 V
High-Floor LRV	100 %	Drive	4 x 125 kW
Entry height	860 mm	Maximum speed	80 km/h
Track gauge	1,435 mm	Licensing	BOStrab
Doors	4 per side	Special features	Synchronized onboard network, Crash energy-management system
Seating	46 (54)		

Subject to change without notice

Technical drawings



