

B80D6 & B80C6/8 Light Rail Vehicles

DORTMUND, GERMANY



DSW21 has commissioned KIEPE to supply electrical equipment for new and existing light rail vehicles.

The order is comprised of 24 new high floor LRVs as well as a mid-life overhaul of 64 existing DSW21 high floor light rail vehicles.

Project features

Modern light rail vehicles for comfortable, safe, and barrier-free mobility in Dortmund.

The new 28 and 38 meter light rail vehicles deliver modern technology, optimized accessibility and improved passenger amenities including USB charging ports, LED door displays, a lowering function at station platforms and an air conditioned passenger compartment.

The addition of video surveillance, rear

view cameras, and LED interior lighting increase passenger safety.

The KIEPE propulsion technology with direct pulse converters or choppers ensures identical driving dynamics for both vehicle lengths.

KIEPE's on-board power supply and control technology is ideally suited to Dortmund's infrastructure and ready to support the mobility needs of the future.

- Bidirectional operation
 - Air conditioning for both the driver and passengers
 - Video surveillance system
 - Fire detection system
- Passenger counting system
 - Pre-equipment for passenger Wi-Fi
 - Rearview cameras
 - Vehicle lowering at station platforms on request (accessibility)

Vehicle data

Vehicle length	28 m / 38 m	Seats	65 / 92
Vehicle width	2.65 m	Standing room	114 / 160
Vehicle height	3.65 m	Contact wire voltage	DC 750V
Proportion of high floor	100 %	Drive	4 x 105 kW
Entry height	980 mm, 950 mm with vehicle lowering	Maximum speed	80 km/h
Gauge	1,435 mm	Approval	BoStrab
Doors	4 per side / 5 per side		

Subject to change without notice

Technical drawing



