



UKLIGHT DIESEL-ELECTRIC LOCOMOTIVE

BRL to be used by DRS, UK

Beacon Rail Leasing Limited (BRL) has ordered 32 UKLIGHT diesel-electric locomotives to be used by British operator Direct Rail Services (DRS) for both passenger and freight services. In addition, DRS has ordered two UKLIGHT directly.

This locomotive – named Class 68 in the United Kingdom – is based on the EUROLIGHT locomotive platform and has been adapted to UK gauges and regulations. The EUROLIGHT is a high-power four-axle diesel-electric locomotive with AC/AC transmission and low axle load. It fully complies with all European standards regarding safety, emissions and environmental protection. Characterised by its high traction power and light weight, it offers excellent flexibility to rail operators since the units can be operated on main lines as well as on class-C lines.

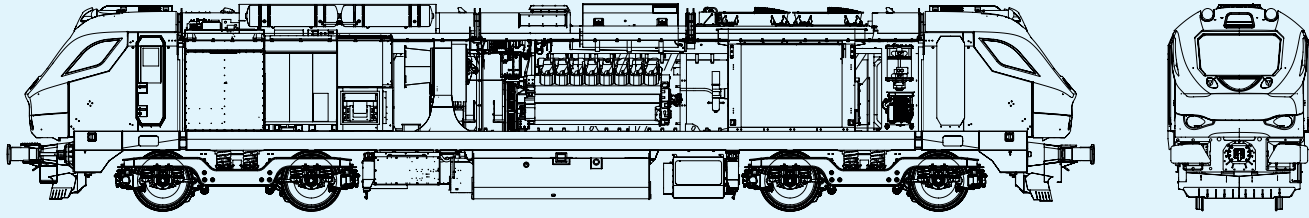
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Technical features

Technology

- Based on the EUROLIGHT family and adapted to UK gauges and regulations
- Multipurpose locomotive for passenger and freight applications
- Diesel engine manufacturer: Caterpillar
- Electrical transmission manufacturer: ABB
- AC traction system with IGBT
- Traction motors: Nose suspended
- Disc brakes
- High-power dynamic brake
- Monocoque structure made of carbon steel, high strength steel and oxidation-resistant steel (copper steel)
- Decreased environmental footprint
- Multiple traction: 2 locomotives (WTB)

Personnel

- Two ergonomically designed driver's cabs with air conditioning

Reliability / Availability / Maintainability / Safety

- Reduced operation costs
- TSI-compliant
- State-of-the-art adhesion control system

Vehicle data

Customer	BRL / DRS
Region	United Kingdom
Number of vehicles	34
Commissioning	2014
Locomotive type	Diesel-electric
Track gauge	1435 mm
Axle arrangement	Bo'Bo'
Power	2800 kW
Diesel engine	CAT C175-16
Starting tractive effort	317 kN
Coupler	UIC 520
Fuel tank	Up to 5600 l
HEP	Up to 500 kW/900 VDC
Transmission	AC/AC
Maximum speed	160 km/h
Brake system	Mechanic: Pneumatic Dynamic: Rheostatic
Suspension	Primary: Coil springs Secondary: Coil springs. Vertical and horizontal dampers