

Street Lighting Column Testing



Kiwa CMT is a UKAS accredited Testing Laboratory (No. 0529) for this [scope of accreditations](#).

It is the only accredited lab for the use of the unique Relative Loss of Section™ (RLS) system for structural testing of lighting columns, a Highway Electrical Scheme (HERS) registered organisation registration number SSR482, members of the ILP (Institute of Lighting Professionals) and HEA (Highway Electrical Association).

Local authorities use our street lighting column testing service.

Our unique RLS system was developed specifically to locate and quantify corrosion of steel columns that cannot be identified by visual inspection e.g. internal corrosion of the base and hot-swaged joint. The technique for lighting column testing is a dry-coupled system that provides a cost-efficient assessment of the column. Results obtained estimate the percentage loss of section allowing the columns to be classified (on a scale of 1-5) for either replacement or periodic retesting. An electronic reporting procedure enables test results to be downloaded directly into the client's inventory.

The lighting column testing process covers all areas identified in the ILP TR22/Guidance Note 22/19 (GN22) as being at risk. In 2013 a Data Collection system was added to the testing profile using photo capture and high-yield OS positioning. Whilst a photo provides accurate detailed documentation of the condition of the column, the location is recorded via the integrated GPS receiver. This year will see the combining of RLS and Data collection systems into a single hand held unit.

We are proud of our consistent ability to stay ahead of the competition.

For a complete cost-effective inspection and testing service that has been employed by many authorities and contractors in the UK and overseas, then Kiwa CMT has to be the obvious choice. Services offered include:

- Detailed structural inspection (concrete and steel)
- Loss of section monitoring
- Hot swaged joint assessment
- Ultrasonic testing
- Magnetic particle inspection

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- Load testing of flange plate bolts
- Half-cell potential

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