



Structural Testing of Lighting Columns

We are the only Testing Laboratory accredited by UKAS 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 and members of the ILP.



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 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.

Cost-effective, on-site inspection and testing services, covering all areas identified in TR22 (Third Edition 2007) as being “at risk”, including:

- Detailed structural inspection;
- Loss of section monitoring;
- Hot swaged joint assessment;
- Ultrasonic testing;
- Magnetic particle inspection;
- Load testing of flange bolt plates;
- Electronically provided results.



Kiwa:
the home of
independent, high
quality testing



How can we help?

Recommended action based on test results:

TR22 Category	CMT Class	Average LSUs (Estimated % Loss)	Recommendation	TR22 - Priority Score Impact
2U	5	>-50	Immediate removal or making safe the unit	No change
1U	4	-25 to -50	Schedule for Removal/Replacement as soon as practicable or in accordance with Operating Authorities Action Matrix	No change
2G	3	-17 to -24	Re-test within 2 years	Minus 2 from score
3G	2	-11 to -16	Re-test within 3 years	Minus 3 from score
5G	1	0 to -10	Re-test within 5 years	Minus 5 from score



Other Services:

As an inspection, testing and investigation company with over 35 years of service to the construction, civil engineering, environmental and associated industries, Kiwa CMT Testing provides our clients with a comprehensive scope of laboratory and site testing and investigative operations, under the following headings:

- Contaminated Land
- Offsite Disposal
- Chemical Analysis
- Concrete & Mortar
- Building Products
- Geotechnical Investigations
- Lighting Column Testing
- Structural Investigations
- Sports Stadia Barrier Testing

We provide key on-site and off-site investigative, consultative and testing services. For our clients we are 'The Obvious Choice'.

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How to contact us

Please call us on +44 (0)1332 383333 or email: cmtenquiries@kiwa.co.uk and we will get straight back to you. Why? Because we like to help>

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