



Scientia Services Limited

Inspection, Testing & Reporting for Electrical Safety of Portable, Transportable & Fixed Appliances

Stage Lighting



Right; the set-up available for hire.
Above; an example of how they can be used.

Hire system for lighting

Our loan setup has proved very popular already and is in great demand. Please ask as early as possible if you would like to hire it.

Hire costs £150 .00 per week including delivery, collection, set up, gels, effects, lighting script & instruction.



The Requirements for the testing of Stage lighting

Stage lighting has for many years fallen between two Inspection & Test categories. Many establishments believed that this equipment would be covered by the installation electrical tests. The supply to the stage lighting system does, but stops at the isolation switch to the dimmer pack.

We have treated the lights themselves as portable appliances and have tested these under P.A.T. as and when possible.

The position of the lights mean that they are only accessible, in most cases, by ladder (or tower).

Their location in the hall, in the usual working day has meant that, with hall usage, any testing has to be done out of normal hours, in holiday period or with the hall out of use.

Where the lights have been tested, it has been with the use of our ladders, or the establishments tower. When there have only been a few lights, this has been fitted in with your normal Portable Appliance Inspection & Test Programme that we carry out. For larger systems the hall, stage or drama studio has been booked out to us for the testing to be carried out fully.

The stage lighting system does need to be inspected and tested under P.A.T. in a more formal and accountable manner, and to that end we have invested in plant and equipment to enable us to carry out the testing as efficiently as possible.

Your portable appliances are built into our programme for an annual visit to inspect and test as appropriate but we can programme stage lighting for between a 1 to 5 year retest cycle depending on your usage.

Demonstration lighting system

It is difficult to make purchasing decisions based on catalogue pictures and descriptions. Knowing this we have a demonstration system which we can show you or you can have on a short term loan basis to help you decide on a system/lights that will suit you best.

The system consists of a tripod fitted with 6 lights and a 3 channel dimmer, gels, gobos (stars, waves etc)

There are 2 each of 3 sample types of light:-

- 2 general par can flood lights - low cost to give
- general light with or without colour.
- 2 small fresnel lights and 2 profile spot lights that can be focussed, colour gel & effects added (gobos).

This system can also be hired by the week.

Just a thought!

While the tower is up, do you need -

- Tubes / lamps changing at high level?
- Routine emergency lighting tests done?
 - Anything retrieved?

If your system is used only for a couple of small productions per year and the lights hardly moved, then our risk assessment would allow 5 years between tests. If you regularly move lights between locations, often refocus them, change filters and use them for large productions then an annual test would be required.

Together we can risk assess your systems usage and decide on the most appropriate test schedule for you.



Gone are the days when we could test equipment like this!

The Working At Height regulations, our insurance and yours, require that good and safe practice is adhered to.

As a professional and responsible company we have a duty to our staff and to you as our clients to follow correct procedures and you have a duty to ensure your contractors do so.

We have invested in the best tower for our needs, a purpose built trailer for its storage and transportation and we are certified in the erection and use of plant.

For certain systems and difficult to get to spots we use a specialist 'Zarges' combination ladder.

We offer an Inspection and Test programme where we do more than just test the system, we'll service it as well.



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We will -

- ☑ Use our tower or specialist ladder.
- ☑ Use our fully PASMA certified staff.
- ☑ Lower the lights.
- ☑ Inspect the lights for any damage to the body, optics, internal wiring, clamping and safety bonds. Electrically test, report on any problems and offer a repair if needed.
- ☑ Clean the outside and the internal parts of the lights so that they give out the best light possible.
- ☑ Inspect and test all the outlets, hanging from the bars or wall / ceiling mounted, either 5A or 15A.
- ☑ Label with asset numbers and pass labels as per the P.A.T. regulations as an extension to our usual programme.
- ☑ Re-hang and position the lights.
- ☑ Inspect and test all the patch board leads and connectors.
- ☑ Inspect and test the dimmer packs.
- ☑ Produce a report similar to the main report for your Portable Appliances for you to add to your folder.

Charges for this Service

The fixed costs which need to be covered on an annual basis for the plant, extended insurance and two engineers on site means that the cost for this service is as follows:

HALF DAY CHARGE £250.00

FULL DAY CHARGE £450.00

We will give a 10% discount on above prices for our existing P.A.T. customers.

In addition to the Inspection and Testing of the lights, power outlets and flying leads we can also

- ☑ Change the existing safety chains on the lights to the new safety bonds that have been tested and labelled with a load rating (as required by Buckinghamshire County Councils Health & Safety)
- ☑ Supply and fit replacement lamps. We carry a comprehensive kit of the most commonly used lamps
- ☑ Supply and fit gel filters to add colour and effect for your stage event.
- ☑ Design and set up the lights for your next event. Show either a member of staff or students how to operate and change the lighting for the scenes required.
- ☑ Give advice on the best system for your needs
- ☑ Supply and install a new lighting system.
- ☑ Supply lights.
- ☑ Supply and install audio and public address systems.