

The specialist in maintenance and measurement

A supplemental lighting system should be checked regularly on efficiency and performance. To ensure the highest possible efficiency of your system, Raymax can execute various sorts of light measuring. For this purpose Raymax has its own light laboratory with a so called 'Ball of Ulbricht' (for lamp measurements) and 'Goniomobile' (for reflector measurements). Based on these measuring results Raymax advises you what you can do to improve the performance of your system, whether this is to clean reflectors, replace bulbs or invest in new reflectors.

Grow light contract

By offering a Grow light contract Raymax ensures you that all essential parts of your supplemental lighting system will be checked and measured annually. Raymax supplies you with an extensive report, in which you will find all measuring results. This report provides you with an excellent insight in the efficiency and performance of your supplemental lighting system.

Measuring Bulbs

An important part of a Grow light contract is the measuring of the bulbs. According to the suppliers of bulbs these should have a lifespan of about 10.000-12.000 hours. Often the bulbs do not burn that long, caused by a number of reasons. For example the power quality, frequent on- and off-switching of the system and bulb quality could affect the lifespan. In the Raymax laboratory the bulbs can be measured in the Ball of Ulbricht on μmol output, energy consumption and lamp voltage. These factors are of great influence on the efficiency of the bulb. Our technical staff reviews the measuring results on which Raymax can advise you on which further steps to take.

Measuring Reflectors

Reflectors will pollute in time due to various causes, for example due to pesticides or processing of the ground. This pollution cannot easily be seen, but can be proved by measurements of the reflectors. With our extended range of reflectors we are able to compare your reflector with a new reflector. Based on the percentage of pollution the decision could be made to clean the reflector or to have it replaced.

Cleaning Reflectors

Reflectors can be cleaned by using an alcohol based cleaning product. Avoid the use of abrasive cleaners on the reflector and always ensure to rinse thoroughly with demineralised water. In general, calcium pollution can be removed with cleaning vinegar. If, for some reason cleaning activities have not been executed for an extended period of time, the pollution may have corroded the anodizing layer. In such cases it is important to take appropriate action to clean the polluted surface. The use of more aggressive cleaning detergents should be avoided to prevent irreparable damage to the reflector. In case of even more severe pollution, the reflectors may have to be subjected to a re-anodizing treatment.

Do you wish to have your bulbs / reflectors measured, or do you want more information on the Grow light contract, please fill in the back of this flyer and fax it to F +31 174 28 94 43 or send a request by mail: info@raymax.nl

**YES, I WOULD LIKE MY BULBS / REFLECTORS TO BE MEASURED.
PLEASE CONTACT ME.**

**I WOULD LIKE TO RECEIVE MORE INFORMATION ABOUT THE GROW LIGHT
CONTRACT. PLEASE CONTACT ME.**

COMPANY NAME: _____

CONTACT PERSON: _____

STREET: _____

ZIP / PLACE: _____

COUNTRY: _____

TELEPHONE: _____

FAX: _____

EMAIL: _____

CROP: _____

BURNING HOURS PER YEAR: _____

TYPE OF INSTALLATION (1): _____

TOTAL AMOUNT OF FIXTURES: _____

TYPE OF INSTALLATION (2): _____

TOTAL AMOUNT OF FIXTURES: _____

TYPE OF INSTALLATION (3): _____

TOTAL AMOUNT OF FIXTURES: _____

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