

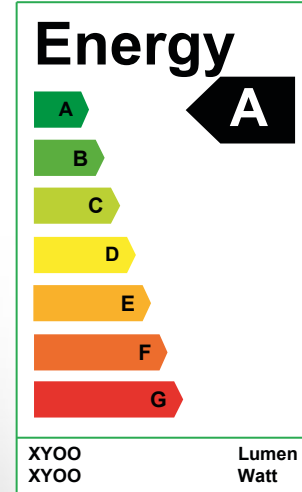
# First accredited lab in Jordan for testing energy efficiency class for lamps

## Wide range of measurements

The lab is capable of testing and verifying energy efficiency class of lamps by measuring luminous flux and input power parameters. The energy efficiency of the lamp is rated in terms of a set of energy efficiency classes from A to G on the label, A being the most energy efficient, G the least efficient.

## The lab is capable of testing the following lamp types:

- Double capped fluorescent lamps
- Single capped fluorescent lamps
- Tungsten halogen lamps
- Tungsten filament lamps
- Self- ballasted LED lamps
- Self -ballasted lamps



## The lighting testing lab performs tests on lamps according to the following standards:

JS EN 60081: Double-capped fluorescent lamps - Performance specifications

JS EN 60901: Single-capped fluorescent lamps Performance specifications

JS IEC 60969: Self-ballasted lamps for general lighting services - Performance requirements

IEC 60064: Tungsten filament lamps for domestic and similar general lighting purposes – Performance requirements

IEC 60357: Tungsten halogen lamps (non-vehicle) – Performance specifications

IEC 62612: Self-ballasted LED lamps for general lighting services with supply voltages > 50 V – Performance requirements

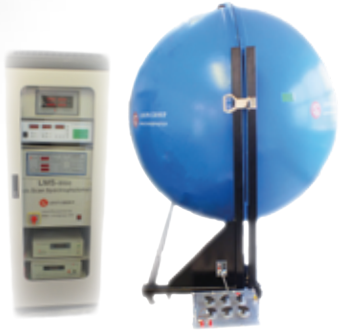
CIE 84: Measurement of Luminous Flux

CIE 127: Measurement of LEDs

CIE S 025: Test Method for LED Lamps, LED Luminaires and LED Modules

CIE 121: The Photometry and Goniophotometry of Luminaires

JS 2092: Energy efficiency labeling of household electric lamps



# Lighting Testing Lab



مختبر فحص الإنارة

© The lab is accredited according to **Jordanian Technical Regulation 2092: Energy efficiency labeling of household electric lamps.**

This implementing Technical Regulation shall apply to household electric lamps supplied directly from the mains (filament and integral compact fluorescent lamps), and to household fluorescent lamps (including linear, and non-integral compact fluorescent lamps), even when marketed for non-household use. Where an appliance can be taken apart by end users, for the purposes of this implementing Technical Regulation the 'lamp' means the part(s) which emit(s) the light.



**National Energy Research Center**

Tel: +962 6 5338014 Fax: +962 6 5338043  
P.O Box 1945 Jubieha - Amman 11941 Jordan

[www.nerc.gov.jo](http://www.nerc.gov.jo)

