

Projectors with maximum image quality and minimum environmental impact

TCO Certified makes it easy to choose a projector with the best possible image quality for your needs and with the least possible impact on the environment



PROJECTORS CERTIFIED FOR EXCELLENT IMAGE QUALITY UP TO A CERTAIN IMAGE SIZE

Projectors are being increasingly used in education, conferences and at meetings, etc. More and more people also use projectors at home to get a real in-cinema film experience.

In order to get the best possible image quality from a projector there are a large number of important product attributes which must work together. *TCO Certified* for projectors is now available to facilitate the choice of projector. When TCO certification is applied for, various projector character-

istics are evaluated and a product is tested for excellence of image quality up to a certain maximum projected size, the *TCO Image Size*. All you need to know when choosing a projector with adequate image quality for your needs is the size of the image area to be projected and choose a projector which has been TCO-certified to manage at least this image size. *TCO Certified* is the only label which facilitates the choice of projector in this way.

TCO Certified for projectors are tested for two common environments, the office and the home cinema environments (Office/Video).

PROJECTORS THAT COMPLY WITH STRINGENT ENVIRONMENTAL REQUIREMENTS

In addition, projectors labeled *TCO Certified* comply with stringent environmental requirements such as low energy consumption and minimal levels of environmentally hazardous substances. The certification also includes an eco mode requirement so the projector can be set to lower luminance, thus reducing noise, energy consumption and increasing the life of the lamp. Only companies which can demonstrate commitment in social responsibility issues can TCO certify their products.

TRUSTWORTHY AND MUCH SOUGHT-AFTER PROGRAM

The TCO Certified is a third party certification program where every product model is tested by an accredited test laboratory. Purchasers and users look to the TCO certification program as a credible tool when specifying products to meet environmental and performance needs.



TCO CERTIFIED PROJECTORS - Summary of Features

ENVIRONMENTAL FEATURES - in the product life phases	EXAMPLES
Production	Environmental management system Brand owner demonstrates corporate social responsibility Limits on hazardous materials - goes beyond RoHS compliance for restrictions on heavy metals and flame retardants. E.g introducing a total ban of mercury in the product Packaging designed for recycling
Usage	Energy consumption – Current Energy Star compliant Product Lifetime – warranty and availability of spare parts
End of Life	Designed for recycling, take-back options

USABILITY FEATURES	EXAMPLES
Excellent image quality up to the maximum projected image size, <i>the TCO Image Size</i>	Easy to choose a projector which suits existing screens or rooms
Calibrated color temperature	The correct color temperature provides true-to-life colors
Large color range	The projector can cope with a large number of colors
Even colors	No patches of abnormal coloration on the image
Even luminance	No dark or light patches on the image
High contrast and black level	Contrast and black level are crucial to the variety of detail in the image and dynamics in dark scenes
Low noise levels	Low noise relative to image size
Video and data inputs	Option to connect video and data sources
Low electric and electromagnetic fields	Users are exposed to only low electrical and electromagnetic fields

DEVELOPING REQUIREMENTS

TCO Development, the company responsible for the certification, works with several international committees and specialty networks to ensure world wide applicability for *TCO Certified*. The requirements are adjusted in time with technological development. The increasingly stringent requirements help drive development towards improved products.

ABOUT TCO DEVELOPMENT

TCO Development's mission is to make it easy to choose IT products which are designed for the benefit of both the user and the environment. Since 1992, the TCO certification has had a considerable impact on the development of IT products with increasingly improving image quality, the reduction of electrical and electro-magnetic fields, reduced

energy consumption and reductions in environmentally hazardous substances. *TCO Certified* is available for displays, computers, notebooks, headsets and projectors.

TCO Development is owned by TCO, the Swedish Confederation of Professional Employees.

Its head office is in Stockholm and has regional representatives in North America (the US) and Asia (Taiwan).

FOR MORE INFORMATION

Read more about *TCO Certified* for projectors and about *TCO Certified* at www.tcodevelopment.com

