

Quality, Standardization and Laboratory Testing Processes at Gaash Lighting

Gaash Lighting is the longest standing company in Israel in the development, design and production of luminaires for the technical and professional market. We are proud to be the leading source of knowledge in the field of lighting and optics design, after long years of experience and work alongside electrical engineers, architects and lighting consultants. Gaash has always been a firm believer in quality, standardization and testing for the products leaving our factory. We are proud to introduce some of the guiding principles we follow in developing and producing our luminaires.

Gaash Lighting luminaires are based on components from the international brands
Some of the most advanced lighting and optics laboratories in Israel are situated in Gaash, and they play a central role in the development and quality control processes
Gaash luminaires comply with the most stringent tests and international standards

Quality Assurance

- Production at Gaash is carried out in compliance with international standard ISO 9001 - Quality Management Systems
- Quality control is carried out on a daily basis to ensure continuous improvement and preservation of the level of the products
- Every product, without exception, leaves our factory after an electric safety test on the production line



Testing labs

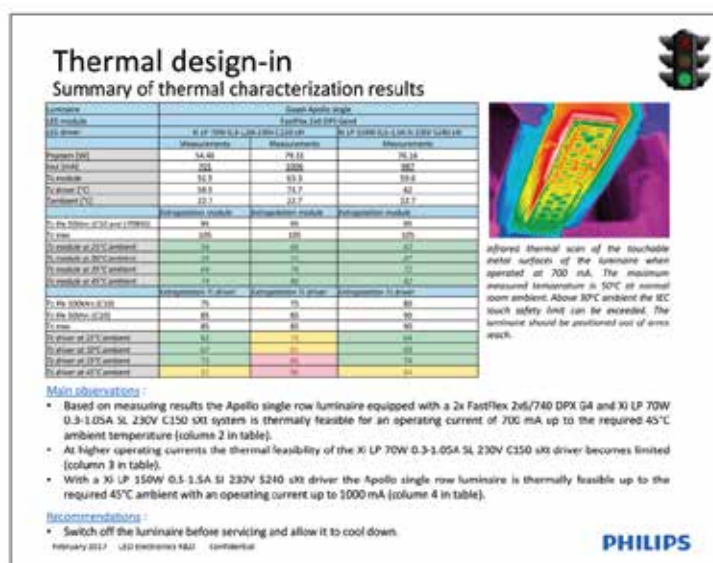
- Gaash testing labs follow an organized testing protocol in keeping with the requirements of the Israeli Standard
- Our light laboratory, goniophotometer and a dark room are used for measuring the exact photometric curves of the luminaires
- Our engineering lab includes a spectrophotometric ball for measuring the performance of luminaires and additional tests such as: heat, power, sealing and structure
- The R&D department is in charge of the computerized design of luminaires, simulations of strength and thermal analyses for every product in production or for prototypes of new products
- The luminaires undergo a variety of other tests at external laboratories such as: vibration tests, salt cell testing, UV exposure testing, appropriateness under extreme conditions and more.

Standardization processes

- Our factory is under the supervision of the Standards Institute of Israel and our products are tested and approved by the institute
- Gaash products are regularly submitted to the Standards Institute of Israel for inspection and once a week, an Institute inspector comes to Gaash and randomly picks products for inspection
- We work with Dekra, the leading international laboratory for testing performance and safety for CB Certification

Philips Inside

- Gaash Lighting makes a point of using the most advanced components and has chosen to collaborate with Philips
- Philips is fully party to the characterization, development and approval of Gaash's new Luminaires
- During the development process of any new product at Gaash, after the initial model and structure are completed, and prior to production, a sample is sent to Philips, where it undergoes professional testing for design verification suggestions for improvement
- Gaash receives initial samples of new products from Philips, for feedback from our engineering department



An example of an official report of a thermal test performed at Philips on Gaash's Mini Apollo luminaire and the "green traffic light" marking, approving the test results

