

PHILIPS

**compact
lighting
catalogue**

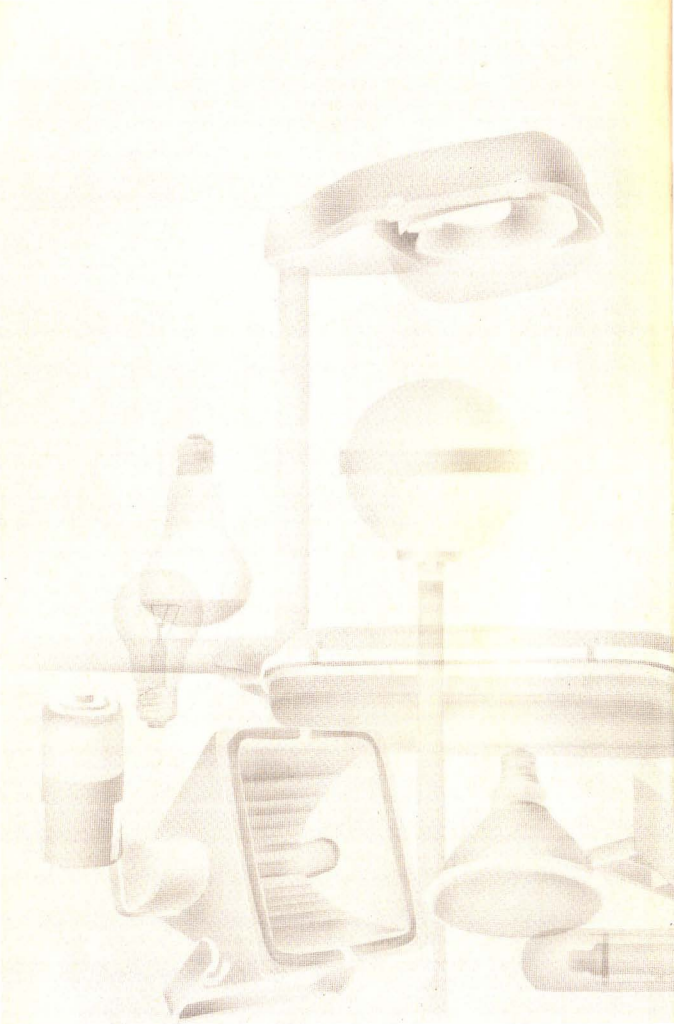


Care has been taken to ensure that the information given in this catalogue is correct. Innovation and improvement, however, mean change from time to time, and Philips must reserve the right to make alterations without notice.

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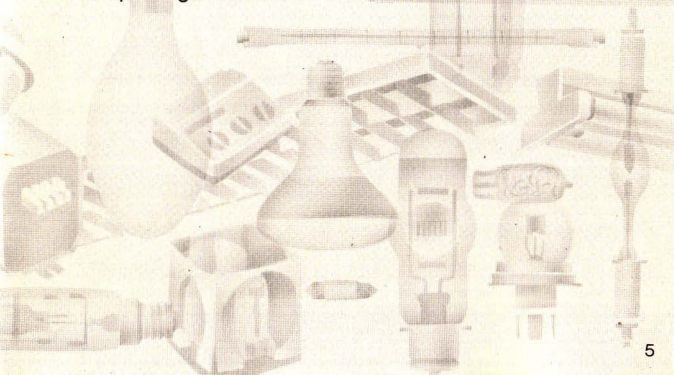
PREFACE

Lighting has contributed considerably to progress in the 20th century. It has expanded every aspect of living, and made the world a very different place. Good lighting is usually unobtrusive and therefore draws attention to everything else before itself. Perfection in lighting would mean that no one would notice its presence at all – until they were forced to live, work, drive or play without light.

Philips, pioneers and still the pace-setters in lighting, are Europe's largest manufacturers of lamps and lighting equipment. Our experience, research and constant development have gone into producing a range to meet every lighting need – effectively, efficiently, economically and aesthetically.

There is no better place to look for lamps and lighting equipment than in the Philips range. We are proud to present that range in this Compact Catalogue. It is our aim in this catalogue to review, as far as possible, the full product range.

The information is therefore of necessity concise. For further information, or advice concerning any lighting or lighting technology problem, please contact your local Philips' organization.



Unless otherwise stated, dimensions are overall and are expressed in millimetres, while weights are nett and are expressed in grammes. Packaging data is not included.

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THE PHILIPS SUPPORT BEHIND THE PRODUCTS

This handy reference catalogue outlines an extensive range of lamps and lighting equipment. But at Philips we believe we can offer much more than lamps, luminaires and accessories. It is our intention to provide the means to achieve good lighting. We do this by researching, developing and then manufacturing the right products to strictly defined standards of quality. Then we back our products with extensive support to ensure that the most suitable products are chosen for any required application and that the products can achieve optimum performance.

GETTING THE PRODUCT RIGHT

How do we do this? First, we insist that the work going on in our laboratories is always looking beyond today's achievements and today's needs at tomorrow's possibilities. Second, we use only high quality materials, highly advanced manufacturing techniques and refuse to accept any deviation from the stringent Philips product specifications.

The recent completion of a new seven floor research complex to house the Lighting Development and Illumination Engineering Laboratories marked a new stage in our quest for the lighting of tomorrow. Backed by extensive modern facilities, specialist groups concentrate on long-term development. Their expertise covers a wide range of scientific disciplines - such as experimental and theoretical physics, physical and preparative chemistry, colloidal chemistry and metallurgy, electronics, mathematics and data handling. Basic research on phenomena relating to light and light sources, and into materials technology is complemented by significant contributions to the fields of electrical and illumination engineering, using every technique available to present-day technology.

The Quality Control organization is completely autonomous within the structure of Philips Lighting Division. It controls, firmly and impartially, every phase of manufacture. New products are critically probed, their specifications tested, before permission is given for production. Materials, manufacturing processes and products are all continuously monitored by the Quality Department. One minor deviation from standard will result in the calling back of the entire batch.

... AND SUPPORTING IT

We believe in going much further than issuing instructions for use, mounting instructions or installer's manuals for our products. Throughout the world, customer oriented advice and consultation, project design and installation services, with excellent communication, data handling and specialist support, are readily available. To help you achieve high standards of lighting quality - cost effectively.

A professional approach to the design of lighting installations calls for the services of skilled engineering staff from several disciplines and the use of advanced design methods.

Philips have Lighting Design and Engineering Centres in many countries, where with the support of the Lighting Applications Laboratory, teams of specialists can design a lighting installation and carry it through from the first concept; controlling it up to the installation stage; continuing with on-site supervision. They can progress through each stage, if required, until commissioning. The service includes the facilities offered by a world-wide network for computer-aided lighting design and study. In addition to the planning of specific projects, continuous research is also conducted at the Centres towards the general advancement of lighting methods and design.

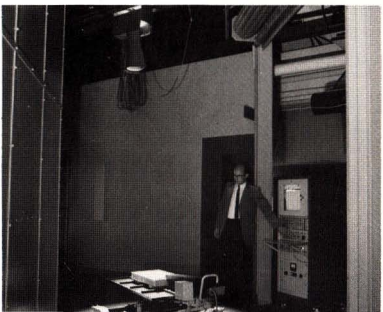
Skilled engineers and other specialists design and advise.



Extensive research and development facilities.



Constant search to improve the use of light.

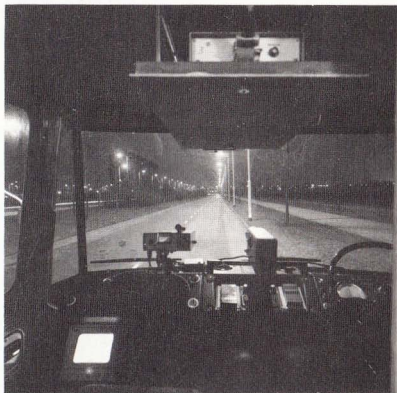


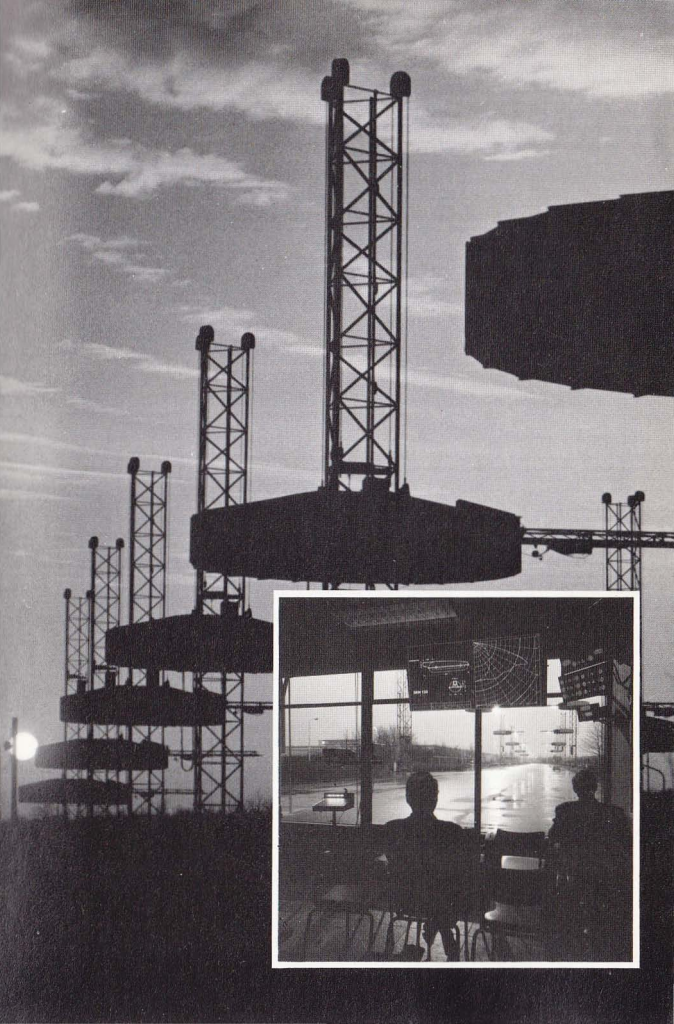
A mobile test and demonstration laboratory can assist on location by checking the quality of existing outdoor lighting installations. This travelling laboratory has its own closed circuit television and computer terminal for detailed observation and measurement.

Extensive practical research and development in outdoor lighting requires a lot of space and Philips have it in the unique Outdoor Lighting Laboratory. A 250 m stretch of road with completely adjustable lantern arrays and research and monitoring equipment. Problems and answers can be recreated and checked for any town in the world with methods that could not be applied to the road or area investigated. The laboratory is a valuable tool for developing the best practical solutions to today's lighting needs.

Unique outdoor laboratory
for road lighting. ►

Location facilities for outdoor lighting design.





Demonstration of light and its uses.



Major projects can be handled by the Philips Project Centre Light, which can utilize world design and production facilities for projects anywhere, right through to and indeed beyond the 'turnkey' stage. Lighting systems for conference halls, sports stadiums, industrial and commercial complexes, highways, tunnels and airfields have all been completed recently by this group. These services are as near to you as your nearest Philips office. Many of the important services are centred in most countries with a Philips organisation. The expertise is however exchanged with colleagues throughout the world and your local experts have world-wide back-up available to them. Because all this care is directed towards creating systems and individual products to provide the best possible lighting for every application, we feel it is important to help our customers understand what light is,

what can be done with it and how the best lighting can be achieved. Therefore we have facilities in major centres to demonstrate the sources and uses of light, such as the Lighting Demonstration Laboratory, housed in the very first Philips Lamp factory where once lamps were made entirely by hand. But although lamps and lighting equipment are now built in factories in many countries, we became a major lighting company by caring about our products and their use. You will find that your local Philips office gives personal attention to your needs.

