**HIGH PRESSURE MERCURY VAPOUR LAMPS
AND THEIR APPLICATIONS**

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HIGH PRESSURE MERCURY VAPOUR LAMPS AND THEIR APPLICATIONS

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FOREWORD

High pressure mercury vapour lamps have been used for a vast number of applications ever since their introduction in 1906. Among those applications is one of the most spectacular their use on an ever-increasing scale in public lighting systems.

Since 1951, when these and other gas-discharge lamps were discussed in a book by Funke and Oranje, published in this series, the Philips Light Group laboratories have made important contributions in the extension of the range of mercury vapour discharge lamps and the widening of their field of application.

In the present book, dealing with the whole field of high pressure mercury lamps in all their different forms and executions, the editor is fortunate to have had the assistance of six specialists, each of whom has contributed a chapter in his own special field covering a particular aspect of the subject. The complex character of this type of lamp is thereby amply demonstrated.

The level of treatment is such that no specialised knowledge is needed to understand the text, although certain sections are somewhat more complicated than others. These sections have been placed between asterisks and can be omitted if desired.

The latest addition to the high pressure mercury vapour discharge family, the iodide-discharge, is dealt with in an appendix.

This type of lamp is still in its infancy but promises to become very important indeed.

This is a high pressure mercury discharge to which one or more metal iodides have been added.

The authors wish to thank Mr. I.F. Davies for correcting the English version of the book.

June 1965

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