ANSI/IES RP-4-20

Illuminating Engineering Society

RECOMMENDED PRACTICE:
LIGHTING LIBRARY SPACES

AN AMERICAN NATIONAL STANDARD

Approved American National Standard

ANSI

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Foreword

This Foreword is not part of ANSI/IES RP-4-20. It is provided for informational purposes only.

This Recommended Practice (RP) does not provide general lighting information that is included in other IES documents. If the reader does not already have this information, it may be obtained as needed from the following IES Standards:

The Lighting Science Series:

- *ANSI/IES LS-1-20, Lighting Science: Nomenclature and Definitions for Illuminating Engineering*
- *ANSI/IES LS-2-20, Lighting Science: Concepts and Language of Lighting*
- *ANSI/IES LS-3-20, Lighting Science: Physics and Optics of Radiant Power*
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- *ANSI/IES LP-1-20, Lighting Practice: Designing Quality Lighting for People and Buildings*
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- *ANSI/IES LP-6-20, Lighting Practice: Lighting Control Systems – Properties, Selection, and Specification*
- *ANSI/IES LP-7-20, Lighting Practice: The Design and Construction Process*
- *ANSI/IES LP-8-20, Lighting Practice: The Commissioning Process Applied to Lighting and Control Systems*
- *ANSI/IES LP-9-20, Lighting Practice: Upgrading Lighting Systems in Commercial and Industrial Facilities*
- *ANSI/IES LP-10-20, Lighting Practice: Sustainable Lighting – An Introduction to the Environmental Impacts of Lighting*
- *ANSI/IES LP-11-20, Lighting Practice: Environmental Considerations for Outdoor Lighting*

1.0 Introduction and Scope

1.1 Introduction

Today's library is different in many ways from libraries of the past. Newer lighting techniques and lighting equipment provide the designer with the tools to meet the needs of the varied visual tasks encountered in today's libraries. This document has been written for use by lighting design professionals, architects, engineers, library administrators, librarians, and educators to provide useful practical information that will help produce an energy efficient, pleasing lighted environment.

1.2 Scope

This Recommended Practice provides design criteria for the many different types of spaces found within today's libraries. This document addresses the many and varied visual tasks encountered by users and staff during the course of their activities in libraries of all types. As energy criteria have gained predominance throughout society, so too has a focus on lighting quality. The relationship between energy demand and lighting quality is evident within this document.

With the diversity of tasks occurring within a library, as well as the differing ages of the target audience, it is not possible to provide complete, comprehensive recommendations for every possible situation. It will always be necessary for the lighting designer to have a clear understanding of the visual tasks and the demographic of the primary audience to determine whether the recommendations presented in this document are appropriate for the actual conditions encountered and to make the modifications required.