

IES Course **Light Sources & Auxiliary Devices**

SEM-11-IM-14-PDF

Instructor's Manual



Illuminating
ENGINEERING SOCIETY

IES Educational Program

IES Seminar

Light Sources & Auxiliary Devices

SEM-11-SM-14-PDF

For the Instructor-Presenter:

- Background Information Slides
- Background Information Slides with Notes
- Slide Handouts
- Seminar Quiz
- Seminar Quiz Answer Key
- Administrative/Professional Development Program Material

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IES Intermediate Seminar **LIGHT SOURCES AND AUXILIARY DEVICES**



Light Sources and Auxiliary Devices

Learning Outcomes



At the end of the seminar, you will be able to:

- Describe light sources and auxiliary devices using common performance metrics of:
 - standard incandescent lamps
 - tungsten halogen lamps and low-voltage lamp transformers
 - linear and compact fluorescent lamps and ballasts
 - high-intensity discharge (HID) lamps and ballasts
 - LED sources and drivers
 - Induction and plasma sources and auxiliaries
- Analyze each of the above based on:
 - Common shapes, form factors, characteristics
 - Advantages and disadvantages
 - Controllability
- Compare the efficacy of each light source and required power auxiliary equipment
- Identify some common applications of each light source



Participants may receive IES CEUs based on the attendance time, including Q&A.
The program has been approved by AIA for (4) AIA HSW-LU credits