

# WELCOME

## New York Energy Smart<sup>SM</sup> Small Commercial Lighting Program

ICF Consulting Program Administrator



*Partnering with the lighting industry to  
promote effective, energy-efficient lighting.*



## Who is NYSERDA?



- New York State Energy Research and Development Authority - a public benefit corporation.
- Supports projects to develop and promote technologies that save energy and reduce emissions.
- Funding derived from a Systems Benefit Charge established by NY State Public Service Commission.

## What is NYSERDA's Small Commercial Lighting Program?

- Promotes effective and efficient lighting solutions that result in better lit spaces that cost less to operate.
- Helps lighting contractors, distributors, and other lighting decision makers design and implement lighting improvements.
- Targets small commercial spaces between 1,000 and 25,000 square feet

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## Promoting Effective Energy-Efficient Lighting

- Partner with Lighting Industry
  - to identify opportunities to promote and sell qualified lighting.
- Provide Resources
  - to help promote, design and specify qualified lighting.
- Provide Incentives
  - to help with designing lighting upgrades, lighting design support, technical training, and for professional lighting certification.
- Promote to End-Users
  - to educate about effective, energy-efficient lighting and recognize them for qualified lighting installations.

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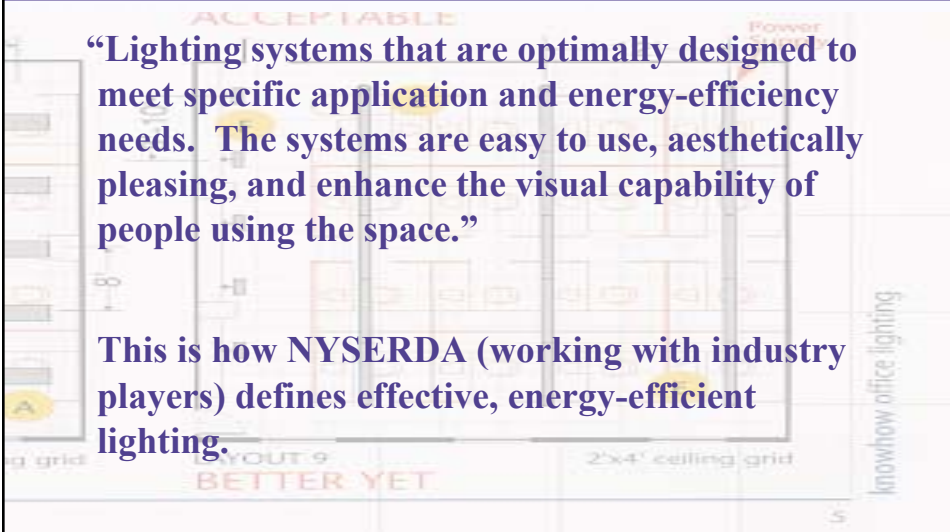
- Tools for Design Guidance
  - Design Guides
  - Case Studies
  - Technology Reviews
- Training for Contractors and Distributors
- Cash Awards for Program Competitions
- Demonstration Projects
- Financial Incentives

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## Effective, Energy-Efficient Lighting Design

**“Lighting systems that are optimally designed to meet specific application and energy-efficiency needs. The systems are easy to use, aesthetically pleasing, and enhance the visual capability of people using the space.”**

**This is how NYSERDA (working with industry players) defines effective, energy-efficient lighting.**



# Effective, Energy-Efficient Lighting

Proper  
Selection of  
Technologies



Proper  
System  
Design and  
Layout



Effective,  
Energy-Efficient  
Lighting Design



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## Lighting Project Qualification Requirements

- The following metrics are used to qualify a lighting project:
  - Color Rendering Index
  - Energy Use (Watts per Square Feet)
  - Horizontal Mean Illuminance (Light levels in Foot-candles)
  - Illuminance Uniformity (Fixture Spacing)
  - Vertical Illuminance (Illuminance on Walls)
  - Luminous Intensity (Glare)
- The metrics are **minimum measures of lighting quality**. They will not guarantee a quality installation but will help contractors avoid potential problems.

## Benefits of Effective, Energy-Efficient Lighting

- Visual Comfort
  - reduce eyestrain/fatigue
- Visual Interest
  - potential increase in sales
- Visual Performance
  - productive work environment
- Less Absenteeism
- Repeat Customers



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## Contact Information

**Contact us at  
SCLP Web site**  
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