



**Illuminating**  
ENGINEERING SOCIETY

**Rochester, NY Section**

P.O. Box 23795

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[www.iesrochester.org](http://www.iesrochester.org)

# IES Rochester Section Presents

## Pathogen Reduction for the Modern Age: UV and Near-UV as Disinfection Aids

**Presented by Tommy Nichols, LC**

**Architectural Sales Director, Healthcare Lighting & Luminaire LED**

This presentation will discuss the use of Germicidal UV (and some non-UV) technologies that may be deployed to reduce pathogens in public spaces. Various technological solutions will be explored – reviewing their history of use, discussing how they work and their effectiveness for typical commercial applications that we see today. Additionally, design considerations and techniques will be discussed in depth for applying UV disinfection technology safely and effectively, incorporating luminaire concepts to supplement the delivery of general ambient illumination. The presentation will also highlight most recent advances in UV disinfection technology that offer more targeted capabilities for today's specific pathogen reduction needs.

*This course is registered with the following organizations for Continuing Education Credits:*

**AIA (1) LU | HSW ~ FBPE (1) PDH ~ IDCEC (0.1) CEU**

Wednesday April 27, 2022 - 12:00-1:00

Dinosaur BBQ - Upstairs Meeting Room

\$35 includes lunch

Please register at our website

<http://www.iesrochester.org/events>



# Pathogen Reduction for the Modern Age: UV and Near-UV as Disinfection Aids

## Course Description:

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## Learning Objectives:

1. Recognize the ability and effectiveness of ultraviolet (and some near-UV) sources to reduce pathogens on surfaces and in air and water.
2. Describe how pathogen reduction with a UV or near-UV source is calculated differently than illumination with a visible light source.
3. Distinguish various ultraviolet and near-ultraviolet wavelengths for use in occupied or unoccupied spaces and discuss how these technologies may be deployed for the least design-disruptive and most cost-effective manner.
4. Identify the potential impacts of misapplied ultraviolet and near-ultraviolet sources.

## Continuing Education:

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This course may also be suitable for Continuing Education Credits with other organizations that accept self-reported CEU/PDH. Please check with the organization from which you are seeking credit for their criteria.