



# Ohio Public Facilities Maintenance Association

OPFMA is a not for profit 501(c) (3) independent educational trade organization

Educational Course — Sept 14, 2017

## Lighting Fundamentals

*Presented by*

**Daniel P. Sabetta, CEM**

### Location :

**Gardiner  
31200 Bainbridge Rd.  
Solon, Ohio 44139**

This course will provide an overview of interior and exterior lighting fundamentals and systems for public employees, maintenance supervisors and property managers involved in operations and maintenance.

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Participants will learn the basic fundamentals of interior and exterior lighting. The target audience for this course is K-12 facility managers and technicians, city or county facility personnel, and other commercial building personnel. With LED technology increasing at a rapid rate and pricing decreasing, it is more important than ever to understand the fundamentals of lighting technology with regards to LEDs as well as compact fluorescents. This class will prepare participants for the current lighting technology in buildings today, as well as prepare them for the technology in the very near future.



### Course Overview

- **Lighting Overview**
  - Common Lighting ● 32W/28W Fluorescents ● CFLs
  - LED Lamps ● Interior/Exterior ● Ballasts
- **Interior Lighting**
  - ASHRAE Code ● CRI ● Lumen Levels
  - Halogen Lighting (Gym Lighting) ● Motion Sensors
  - Ballasts ● LED Technology Interior
- **Exterior Lighting**
  - Building Exterior
  - Parking Area Lighting
  - Street Area Lighting

**Seminar and Registration:**

Seats are limited - Register early to reserve your seat!  
To assure your seat - Fax or E-mail your registration form and mail the check.

**Seminar Agenda:**

8:15 AM—Registration - Continental Breakfast & Lunch provided  
8:30 AM to 4:30 PM - Lighting Fundamentals

**Location:**

**Gardiner**  
**31200 Bainbridge Rd., Solon, OH 44139**

**Seminar LFSEP17– 9/14/17 Registration Form**



**Ohio Public Facilities Maintenance Association**

P.O. Box 835, Cleveland, Ohio 44070

Phone: (440) 716-8518 • Fax: (440) 716-8519 E-mail: [office@opfma.org](mailto:office@opfma.org)

(Please **PRINT**)

Facility Name \_\_\_\_\_

Participant Full Name \_\_\_\_\_

Job Position \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zip \_\_\_\_\_

Phone (\_\_\_\_) \_\_\_\_\_ Fax (\_\_\_\_) \_\_\_\_\_

Email: \_\_\_\_\_

- OPFMA Member** (membership in good standing) – Seminar Fee **\$215**
- NOT - OPFMA Member** – Seminar Fee **\$245**

**Provide P.O. #** \_\_\_\_\_

**Or make the Check Payable to OPFMA — Credit Cards not accepted. Payment terms NET30.**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

NOTE: There is a **\$100.00** cancellation fee and there are **no cancellation** refunds after Sept 07, 2017