



## Exterior Sunshades - Mastering the Physical Movement of Sun and Light

The sun is an integral part of our lives. As it moves around us, it can affect our mood, focus, performance, and overall well-being. While many impacts are positive, it can also bring adversities to our environments and personal comfort.

In this presentation we look at how the natural light and heat of the sun can be harnessed to benefit commercial spaces and their inhabitants. We will explore solutions to minimize energy consumption and improve occupant satisfaction. And we will delve into the criteria to utilize sunshades to elevate building performance and create visually striking designs.

### Learning Objectives:

1. Understand how to optimize the sun as a natural resource to decrease light and HVAC system demands and in turn improve building efficiency.
2. Discuss external sunshade systems and their benefits including energy efficiencies and the positive impacts on the health, safety, and welfare of building occupants.
3. Understand how proper sun management contributes to LEED and IECC 2021 Zero Code™ standards to provide healthier more productive spaces.
4. Incorporate sunshades as both a functional system and aesthetically innovative design element. Recognize construction methods and proper engineering for their design and selection of exterior.



### Course Information

Architects  
**AIA Course Number:** MPMSL0323  
1 LU | 1 HSW