



# LED Color Quality and Consistency for Sustainable Design

This course delves into the details of quality LED lighting; how quality LED lighting is manufactured, measured, and identified. Why it is important to properly identify and select products with consistent and sustainable color over time.

HSW Justification: Color quality and sustainability are critical elements to visual acuity and accurate color rendering of architectural environment for safety and wellbeing.

**Learning Objective 1:** Recognize and identify LED technologies that pertain to sustainable color and light output.

**Learning Objective 2:** Understand and use the concept of SDCM/MacAdam Ellipses and color shift for selecting sustainable lighting products.

**Learning Objective 3:** Understand and determine application requirements for suitable lighting color consistency and longevity.

**Learning Objective 4:** Confidently select LED lighting products and design using industry standard report data and test results for sustainable design.