



# LET THERE BE LIGHT

Types of lighting and their uses around campus

# THE COLOR OF LIGHT

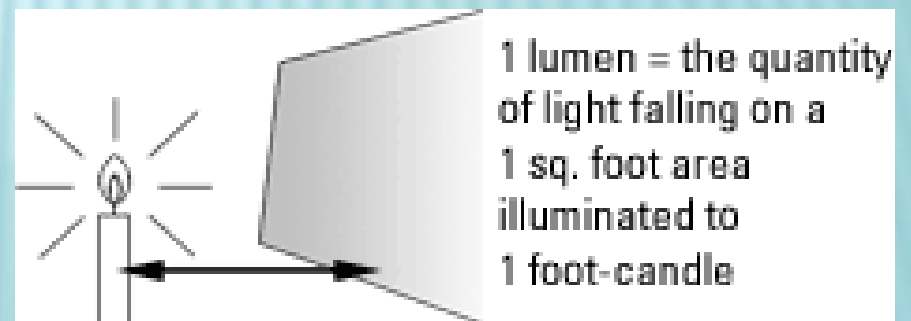
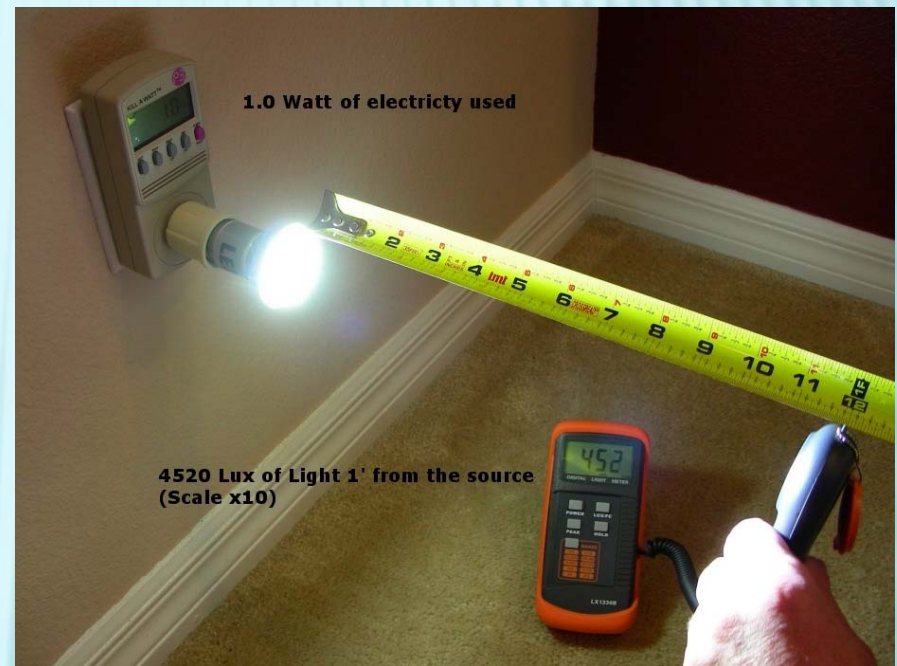
- ✘ The lights you see everyday can be categorized by their color temperature on the Kelvin scale
- ✘ This scale is used in determining the application of lighting in a space to provide a comfortable environment

Daylight	8000K	K e l v i n S c a l e
Sunlight	5600K	
Office Fluorescent	4000K	
Balanced Studio Lights	3200K	
Incandescent	2800K	
Candle Flame	1800K	



# THE POWER OF LIGHT

- ✘ The amount of light striking a surface can be quantified in units called foot candles
- ✘ A foot candle is the luminance on a 1-square foot surface of which there is a uniformly distributed light from 1 lumen
- ✘ A lumen is the measure of the power of light perceived by the human eye



# CHOOSING LIGHT

- × Different situations call for different colors of light. For example, most lights in your home remain in the warm temperature range, while lights in a hospital may be whiter.
- × Price and longevity also factor into light selection for an area.





# COMMON VCU LIGHTS

- ✘ VCU uses High Pressure Sodium lighting on most of its outdoor fixtures on both campuses
- ✘ High Pressure Sodium lights emit an orange glow (2200K) and are known for their longevity and price
- ✘ Indoors, VCU uses fluorescent lights that utilize a cooler, whiter temperature of around 4100k.



# MORE WITH LESS

- ✘ By switching to LED bulbs in certain areas, VCU can achieve the same light output as current installations, with less wattage per bulb
- ✘ LED bulbs come in an array of colors to compliment existing lighting arrangements
- ✘ Various bulb sizes are also available to be installed into any fixture from standard bulbs to fluorescent tubes replacement

