

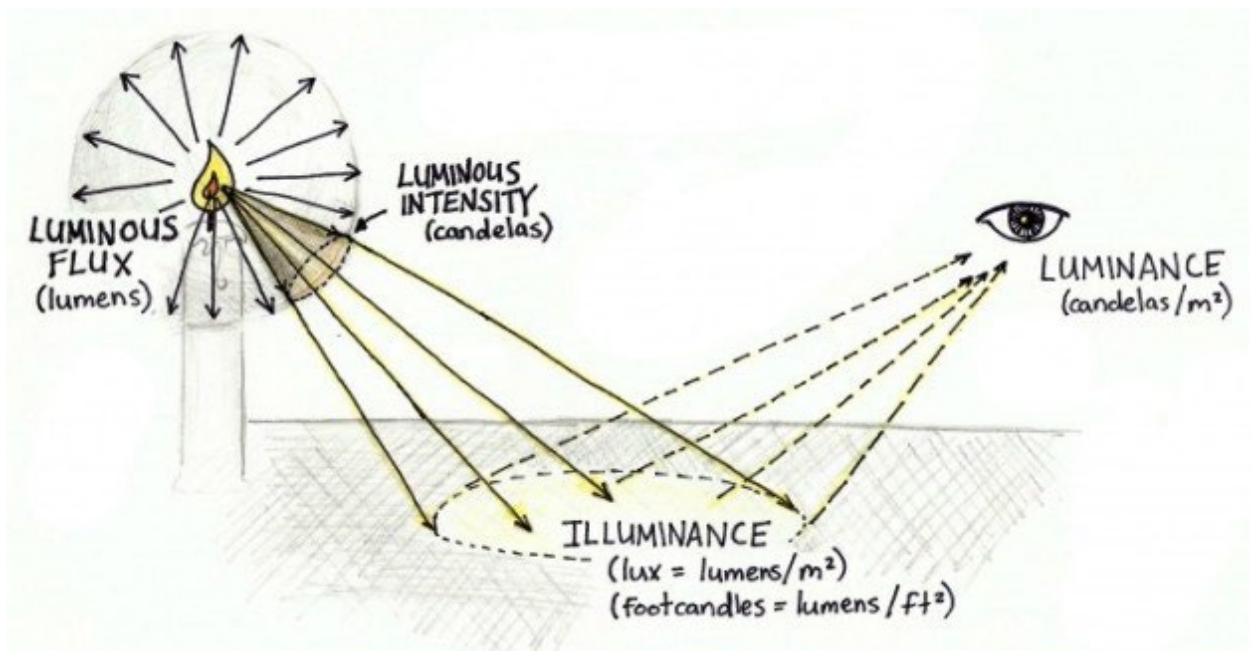
Common Light Measurement Terms

In lighting, terms like lumens or nits measure light output and intensity. Color temperature indicates the perceived warmth or coolness of a light source. Accent, ambient, and task lighting refer to different ways of using light for emphasis, general illumination, and specific tasks.

Here's a more detailed breakdown of key lighting terms:

Light Measurement & Output:

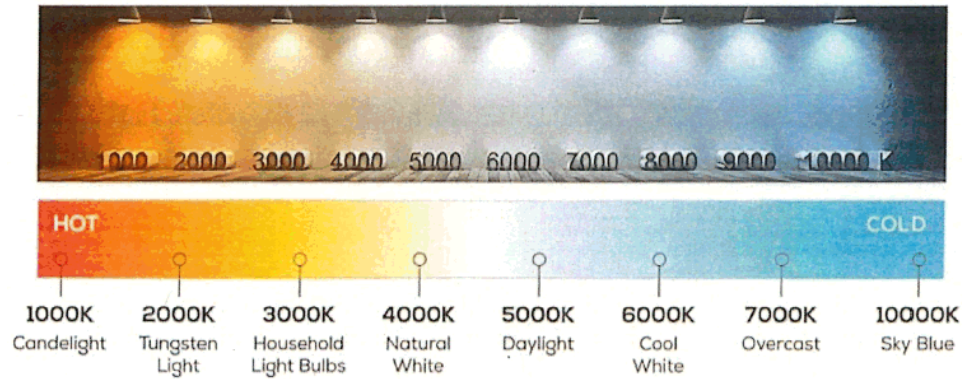
- **Lumens:** Measures the total amount of visible light emitted by a light source.
- **Nit:** A unit of measurement for luminance, specifically the brightness of a display or light-emitting surface. One nit is equal to one candela per square meter. Nits are commonly used to describe the brightness of displays like digital signage.
- **Candelas (or Candlepower):** Measures the luminous intensity of a light source in a specific direction.



Credit: Sigma Safety Corp. <https://sigmasafety.ca/news/lumens-lux-and-candela/>

Light Characteristics:

- **Color Temperature:** The perceived warmth or coolness of a light, measured in Kelvins.
- **Correlated Color Temperature (CCT):** The color temperature of a light source, expressed in Kelvins.



Other Important Terms:

- **Adaptive Controls:** Devices such as timers, dimmers, motion-sensors, and light-sensitive switches used to actively regulate the emission of light from light fixtures.
- **Fixture:** A complete lighting unit, including the light source and its housing.
- **Lamp:** A generic term for a light source, often used in the lighting industry to refer to the light bulb itself.
- **Bulb:** The glass or plastic part of a lamp that contains the light-producing element.
- **Festoon Lighting:** String lighting intended for permanent installation and year-round use.
- **Seasonal Lighting:** String lighting meant for temporary use and displayed on buildings or landscaping.