

## Attachment 1

### What is a nit?

**Nits Are a Unit of Brightness.** A **nit** is the unit of measurement that describes how bright a television, smartphone, computer monitor, laptop screen, or another type of display is. The higher the number of nits, the brighter the display.

**Nit** measures two things:

- Luminous intensity (the candela); and
- Area (the square meter).

**Nit** (which comes from the Latin word *nitere*, meaning “to shine”) and the official term is actually “**candela per square meter.**” **Nit** is used as it is just easier to remember.

“**Candela**” is Latin for “**candle.**” So one candela is equal to the brightness of a single average candle. Two candelas is equal to the brightness of two candles, and so on. When you add in square meters, you now measure the luminous intensity spread out over a surface. So one candela per square meter (or one **nit**) is the brightness of one candle shining onto a surface that measures one meter across and one meter down.

### What’s the Difference between Nits and Lumens?

Lumen is a unit of measurement for measuring light intensity. It is used to measure the light intensity of light bulbs, flashlights, projectors, and more.

But **nits** and lumens measure different things. One big difference is that lumens don’t indicate light over a specific area like nits do. Rather, lumens indicate the intensity of light coming from the source, however big or small it. Lumens indicate the amount of light that a projector itself emits, whereas **nits** measures the amount of light coming off of the projector screen.