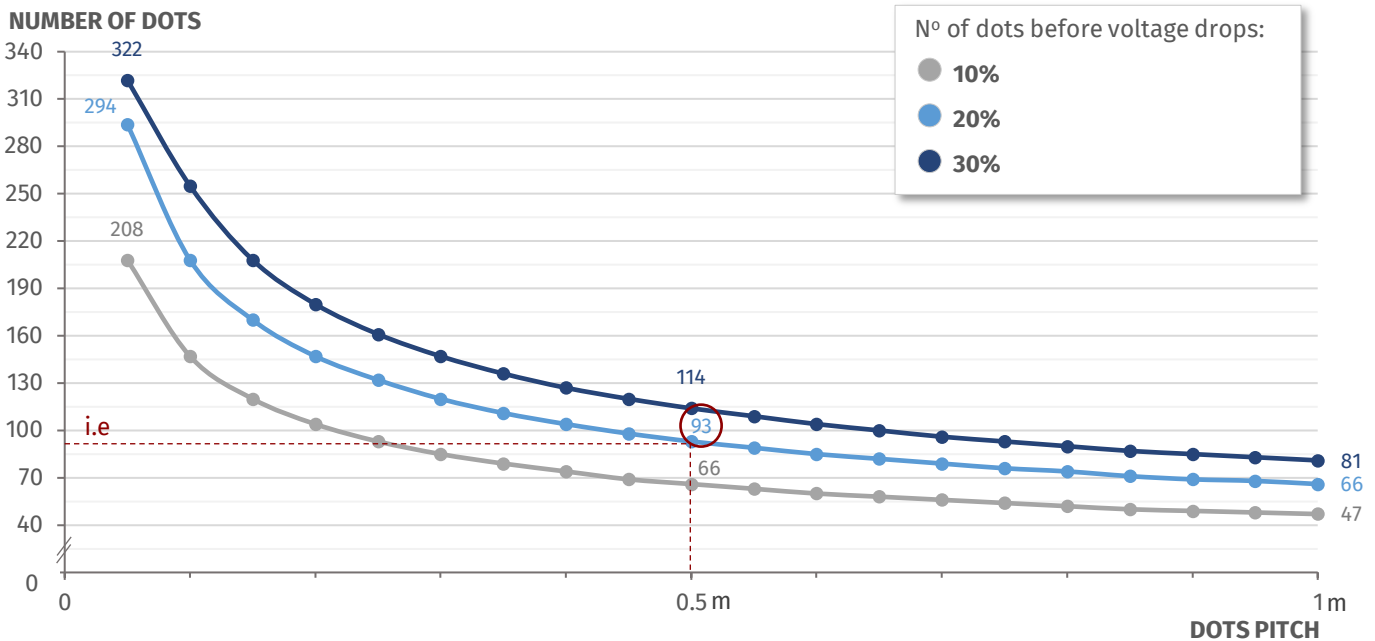


How custom pitch affects 9PDOTs 24V



Description

The chart shows the number of **9PDOT 24V dots** you could use in a string given the spacing between them before the voltage drops below **10%, 20% and 30%**.

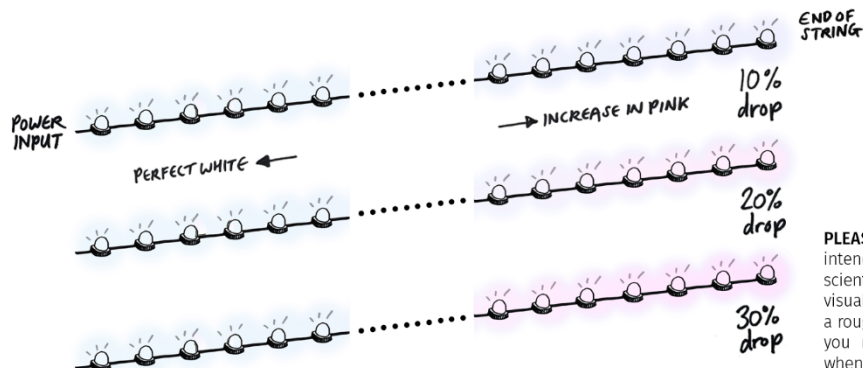
i.e: You could use **as many as 93 dots** spaced by **0.5m** before the voltage at the end of the string **drops 20%**; if you use **66 dots with 0.5m** spacing, the voltage at the end of the string **should not drop more than 10%**.

Note that the voltage is measured at the end of the string.

The values above are just for planning purposes and should not be used as a concrete measurement for the layout of your project

BOTTOM LINE: The greater the drop in voltage along a series of white LEDs, the more pink in hue those furthest away from the power source will appear. The entire length will also marginally decrease in brightness as the voltage lowers.

While some tapes and dots may be slightly more pronounced in regard to this effect, the vast majority do so in a very subtle fashion. Likewise, the degree to which the human eye perceives it will naturally differ from person to person, but many people find the colour change indiscernible.



PLEASE NOTE: This is not intended to be an accurate scientific diagram. It's a simple visual representation to give you a rough idea of the sort of effect you might sometimes observe when different percentages of voltage drop occur.

Annex 1. Graph for pitches higher than 1m

