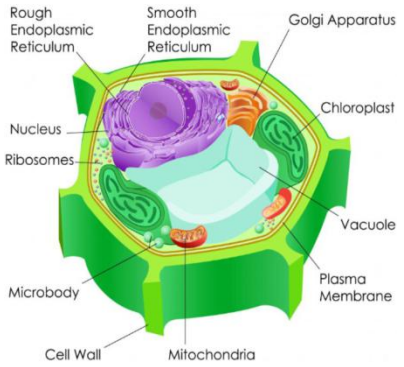
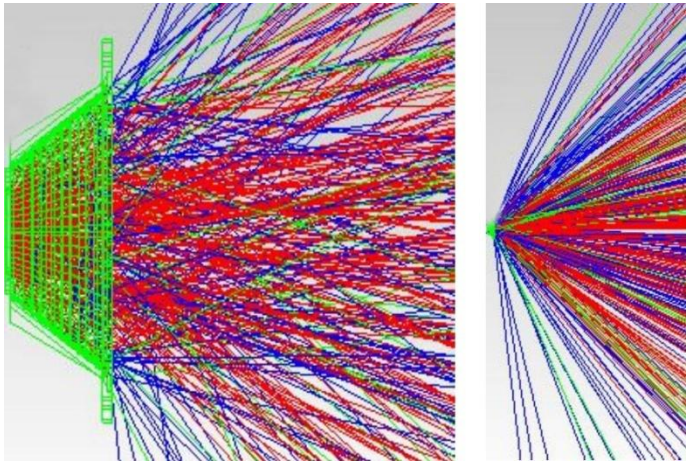
Advantages : Optimal Light-mixing

On the surface of the leaves of plants, there are millions of plant cells (photosynthetic pigment) that need to absorb photons for the photosynthesis in their various growth stages, the plant will grow perfectly only when the plant cells are able to maximally absorb light in the same spectrum, otherwise the growth of the plant will be affected from poor distribution of different colors of light. So far, grow tests have revealed that improved color mixing is critical to achieve good growth results. The importance of mixing different colors of light is often undervalued or neglected by many grow light designers who usually only choose the diodes in the different wavelengths according to the spectrum they desire, paying little attention to the mixing of different colors of light.



The most effective way to achieve ideal mixing of different colors of light is to gather all the colors in an area as small as possible, thus we chose COB as the light source for our grow lights, enabling us to dramatically improve the mixing of different colors of light that is so important for fast plant growth and maximum yield.



LED Fixture	Luminous area	Light-mixing effect