

GreenGlow

GreenGlow LED plant grow light - made in Germany

One of the new products from BRAUN: LED plant light. BRAUN has recently introduced special LED modules whose light spectra can be selected to promote the growth and flowering of plants. Once again, the company is demonstrating its innovative strength and a certain pioneering position in the lighting market.

Plants need special light wavelengths for their optimal growth. For example, red and blue light in particular are scientifically proven to be needed for photosynthesis. With conventional plant luminaires such as compact fluorescent lamps or energy-saving lamps, the plants cannot absorb most of the light spectrum, resulting in emitting ineffective light and wasted energy. The special feature of BRAUN LED plant lighting is the precise definition of the required color spectrum for optimal absorption by the plant. With the restriction of the nanometer range of the color spectrum, the proportion of light effective for the plant is significantly higher than with conventional products.

LED light diodes are combined in the respective wavelength according to requirements.

The innovation lies in the individually measured color spectra of the LEDs used and their combination with each other. The optional reduction of the performance parameters makes it possible to achieve a targeted amount of light tailored to individual plant species. On the one hand, even lush growth can be promoted or the timing of the blooming can be positively influenced.

Initial tests have shown the BRAUN plant lamp produces very good results in terms of thriving and growth through high absorption. This opens up new possibilities for large-scale agricultural and garden greenhouses as well as for hobby gardeners and private plant breeders. It allows them to adapt the lighting conditions for breeding to the specific needs of the plant species.

[Consult our technicians](#) for further information!

Take advantage of our offer to install sample luminaires on site (for commercial use only), with which you can compare the effectiveness to that of the previous lighting.



