

DIMLUX XTREME SERIES LED

FEATURES EXPLAINED

ABOUT OUR FLEXIBLE PHYTOVEGSPEC® LIGHT SPECTRUM

Our adjustable PhytoVegSpec® light spectrum combines full control over light quality (spectral flexibility) and quantity (intensity and DLI) ensuring a uniform spread and even light distribution with extreme penetration into the canopy. The Dimlux Xtreme Series LED produces ultra-high levels of PPFD, evenly spread over a 1.62x1.62m grow area, with a full light spectrum, producing consistently high quality & high yield indoor crops.



The Dimlux Xtreme Series LED can be dimmed without losing efficiency. The spectrum and output power can be programmed depending on the time of day and the growing stage of the crop. The auxiliary RGB LEDs can be used as additional light and as (green) work light in the night phase. The auxiliary lighting can be switched on automatically by the internal radar motion sensor.

CHOOSE FOR STANDARD OR +NIR VERSION?

The +NIR (which stands for 'Nearly InfraRed') fixtures have extra far-red light that is used together with red. Due to the extra far red, the plants will grow taller than with the non-far-red variety. The extra far red provides a more complete spectrum, increased photosynthesis, increased photon absorption and an increased yield due to modified morphology.

The plant will stretch a little more than with the normal version without NIR. Customers who aim for the most compact cultivation possible opt for the normal version without extra far red.

BOOST GROWTH WITH OUR SPECTRUM-ENHANCING UV-A+NIR AND UV-B ADD-ONS

Maximize your growth results with Dimlux's specialized add-ons designed to extend the light spectrum for even greater crop performance. Our UV-A+NIR and UV-B add-ons provide targeted wavelengths that enhance photosynthesis and stimulate plant development even more.

The advanced and separate UV-A, UV-B, and NIR controls offer precise light tailoring throughout the grow cycle. UV-A increases resistance to fungi and other pathogens. It can be used as photosynthesis booster in combination with red light. When used after sunset, it accelerates the nighttime metabolism and the sleep rhythm which speeds up flower induction. UV-B intensifies potency, resin production, and pathogen resistance, with a synergistic effect when paired with UV-A, maximizing benefits while minimizing stress on plants. Easy to integrate, these add-ons allow you to tailor your lighting strategy for optimal results across every growth stage.

