

Welcome to Issue 19 of the PSI NEWS

This issue is dedicated to:

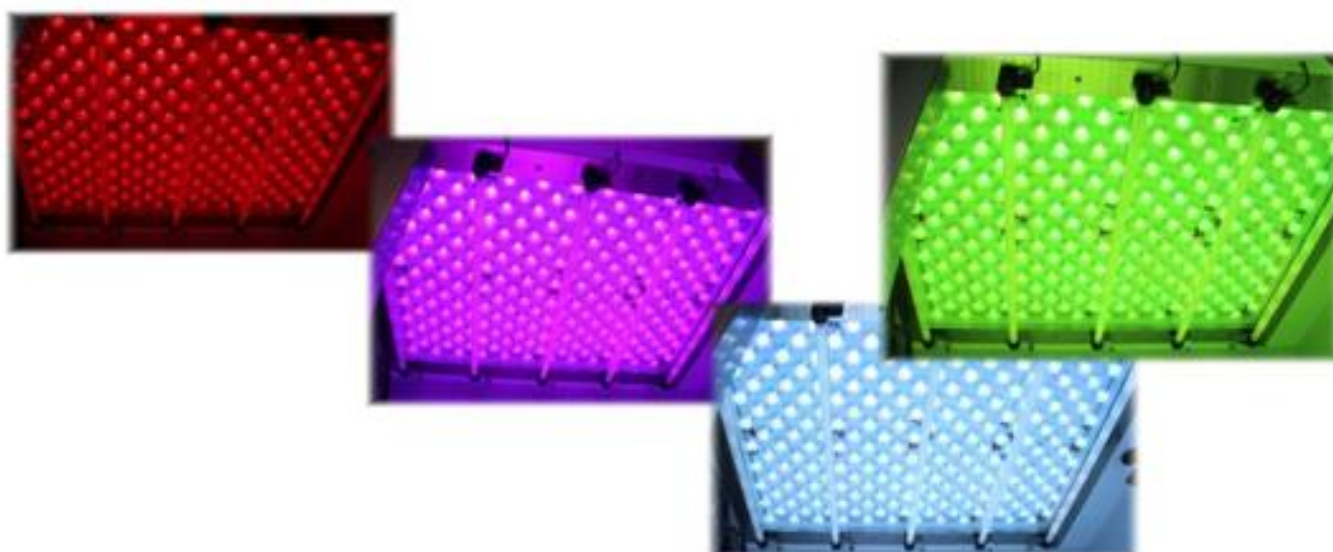
LED Fyto-Panels



- Great for use in growth chambers or other similar applications
- LED technology with minimum undesired heating
- Homogeneous high-intensity illumination of large areas
- Easily controllable in timing (from seconds up to days), intensity and modulation
- Manufactured in three basic versions (size: 27 x 81 cm) and three "half" versions (27 x 41 cm) which differ in maximum reachable intensity - from 200 to 1,500 $\mu\text{mol (photon).m}^{-2}.\text{s}^{-1}$

Key Features:

- PAR from 200 to 1,500 μmol (photon). $\text{m}^{-2}.\text{s}^{-1}$ (measured at the distance of 100 cm from the panel)
- Standard two-channel panel version is usually mounted with cool white and far red (735 nm) LEDs
- Customized versions may be equipped with three channels (2 different colors + far red) or four channels (usually red-green-blue + far red) or up to eight channels (on request)
- Each channel (color) is separately controllable in intensity, timing and modulation
- Minimum undesirable heating of illuminated area due to automatic cooling of the panel
- Lifespan of up to 70,000 hours of continuous lighting
- Hardware for PC connection and basic control included in the panel price
- More intelligent control of the Fyto-Panels can be achieved if the Light Studio software or Light Controller LC 200 are used (optional items)



Light Controller LC 200 (optional):



- User-friendly, four-button operation
- Precise control over the light mode, intensity and timing (seconds to hours)
- Supports up to 8 lights/colours
- Each light /colour can be configured and controlled independently
- Two light/dark phases
- User-Defined Custom Protocol with up to 224 intervals (optional)
- Daylight Protocol for cloudy sky simulation (optional)
- No PC needed

Light Studio Software (optional):

- User-friendly GUI for protocol writing
- Day/night simulation - dawn and dusk simulation
- Precise control over the light mode, intensity and timing - timing from seconds to hours
- Supports up to 255 light channels
- Each light (each colour) can be configured and programmed independently
- Light modulation according to predefined function (continuous, pulse, sine, triangle) or user-programmed function

