

L2 GROW LIGHT

BETTER LIGHT

The only intelligent, cloud-based, wireless growlight on the market.

- HIGHER YIELD & POTENCY
- ULTIMATE CONTROL
- GREATER CONSISTENCY
- BETTER RETURN ON INVESTMENT



APPLICATIONS:
 COMMERCIAL GREENHOUSES
 COMMERCIAL INDOOR
 RESEARCH FACILITIES

Benefit	Feature
Higher Yield and Potency	• High PPFD (Photosynthetic Photon Flux Density)
Greater Consistency of Crop	• High Uniformity
Ultimate Control	• Fully-Adjustable Color and Intensity • Powerful and Flexible Cloud-Based Recipe Management System
Low Energy Bill	• High Efficacy (photons/watt) and Enhanced Energy Savings When Illumination Is Off
Low Installation and Maintenance Cost	• Integrated Wireless Connectivity (Wi-Fi & Bluetooth) • Leverages Widely Deployed and Proven Technology • Seamless Integration with Sensors and Modules • Eliminates Remote Contactors and Dimmers
See True Color of Plants. Less Fatigue for Workers	• White Visual Inspection Light

Ultimate Control

Powerful Recipe Management System

Create lighting recipes to maximize the yield for each type of plant at every stage.

Our powerful cloud-based system provides the flexibility to independently control the intensity of each spectral band of light at a specified time of day and day of grow cycle. In addition to precise lighting control, our recipe system supports environmental sensors and controllers providing complete control of the plant's environment, including temperature, humidity, CO₂ concentration, irrigation, and nutrient dispensing.

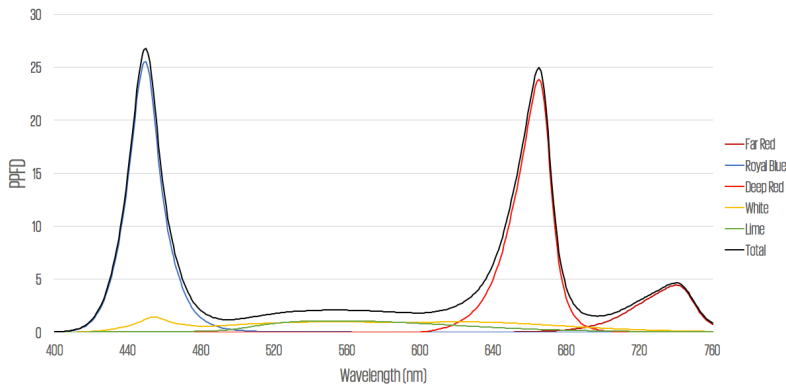
sales@natecontrols.com
 +1(512)464-1300

designed and built in Austin, Texas



Give The Plant What It Wants

Contribution of each Spectral Band



The L2 is equipped with five independently controllable channels of high-efficiency LEDs. Primary wavelengths are centered at 450 and 660nm with broadband channels for lime and cool white (5700K) and far red for photoperiodism at 735nm. The result is a full-spectrum signature delivering 1511 $\mu\text{mol/s}$, which is ideal for commercial indoor and greenhouse cultivation using CO_2 enrichment.

Spectral Performance

Spectral Band	PPF ($\mu\text{mol/s}$)	%
Red (620-670nm)	538	39%
Blue (420-480nm)	550	40%
Far Red (710-750nm)	157	11%

*Other spectrum mixes available.

Specifications

All specifications are shown at 100% intensity.

PPF	1511 $\mu\text{mol/s}$ 280-800 nm 1351 $\mu\text{mol/s}$ 400-700 nm (far red off)
Indoor Plant Coverage Area	4x4' flower, 5x5' veg
Efficacy	1.3 $\mu\text{mol/s/J}$
Dimming	5-100%, 5 independently controlled channels
Connectivity	Wi-Fi 802.11 b/g/n, Bluetooth 4.1 with BLE
Power Consumption	1013 W
Operating Voltage and Frequency	110-277 VAC 50-60 Hz, >0.92 PF
Dimensions and Weight	17.2 L x 14.2 W x 6.8" H, 49.2 lbs. 437 L x 360 H x 172mm H, 22.3 kg.
Operating Temperature	-4 to 104°F (-20 to 40°C) 10-95% RH non-condensing
Warranty	3-year standard or 5-year extended
Lifetime	50,000 hours to L70

Specifications subject to change without notice.

