

Plant Molecular Farming Lighting Test Kit

XtremeLight™ DEVKIT1 Versatile Digital LED



Unlock higher expression of molecular farming products with our specialized LED lighting system. Designed specifically for plant growth and biologics production in transient expression, this kit offers precision control over wavelengths vital for optimal yields and quality. Four-light-bar fixture with precise digital control of each of the wavelengths commercially important for plant growth and recombinant biologics production. Complete with power and Wi-Fi control electronics and an easy-to-use app. Just hang the light fixture, connect the cable, plug in the power unit, and install and run the app to begin your journey to higher consistent yields at any scale.

Key Features:

- **Precision-Controlled Wavelengths:** Four distinct wavelengths (450, 520, 660, and 730 nm) tailored for plant molecular farming.
- **Scalability:** Easily expandable for large-scale production, ensuring consistent results every time.
- **Safety & Durability:** IP68 waterproof rating and UL 8750 compliant light bars, operating below 60 VDC, ideal for humid environments. Guaranteed 50,000 hours of operation.
- **Versatility:** Suitable for side, intrafoliar, and overhead lighting.
- **Integration:** Compatible with other subsystems via Modbus control.

The Light Fixture:

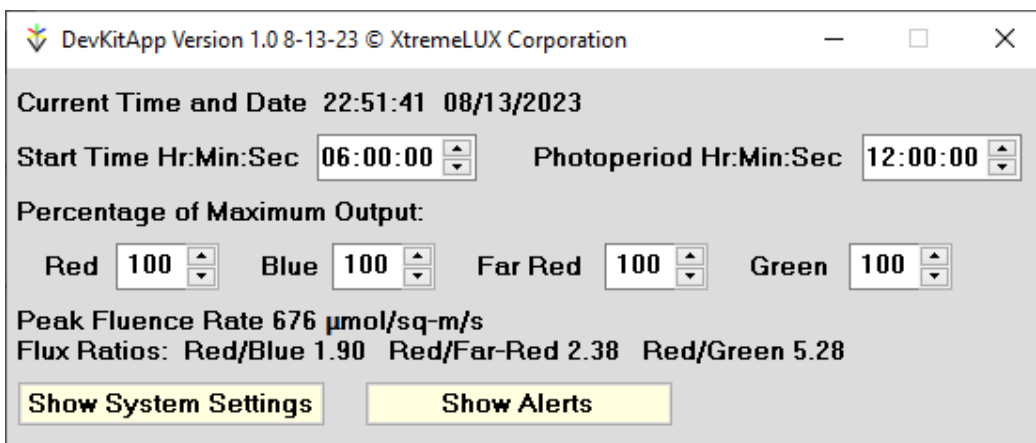
Our DEVKIT1 comes with four LBRGBF1 light bars in a 2' x 4' fixture. These bars are crafted using industry-leading technology, optimized for indoor growth of photosynthetic plants and cells. With a five-year guarantee, these bars outlast traditional HID lamps and offer consistent color temperature and intensity. These light bars use the highly-evolved and patented



XtremeLUX technology that has produced the choicest leafy greens, spectacular tomatoes, superbly aromatic basil, healthy strawberries, and highest-yielding (in cannabinoids and terpenes) and highest-quality cannabis flower.

The App:

Our DevKitApp v1.0 offers a user-friendly interface, allowing comprehensive control over fluence rate, spectral composition, photoperiod, and daily start time. The app also features automated settings, such as gradual light ramping to mimic natural sunlight conditions, ensuring optimal growth conditions.



System Requirements:

Compatible with x86 (32-bit) and x64 (64-bit) computers running Windows 7 or newer. Communication with the lighting system is facilitated via Wi-Fi.

Unparalleled Service:

At XtremeLUX, we're more than just a product provider. We offer expert advice, comprehensive documentation, and continuous support. Whether you're just starting or ready to scale up, we're here to assist.

Contact Us:

For orders or more information:

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