SkyRay
UV LED Curing System

UVITRON INTERNATIONAL

Compact, Programmable LED Flood Curing System

The SkyRay 800 is a compact, microprocessor-controlled LED flood curing system. It integrates all essential system components into a compact lamp head that is easy to install anywhere on a factory floor, eliminating the need for a separate controller, power supply box, or remote cooler. After mounting the lamp head and connecting the AC power cord, the user can immediately commence timed exposure curing. The system utilizes long-lasting, solid-state LEDs to illuminate a 5x5 inch curing area with cool, high-intensity light that is distributed evenly. Notably, the system comes equipped with an integrated exposure timer and adjustable output intensity, offering increased control over the curing process. User interaction is simplified with a front panel LCD display and a sealed membrane type keypad, making the programming and monitoring of curing operations intuitive and efficient.

Features

System Timers

Duration of curing is controlled by a 1 to 9999 second timer that turns off the LEDs and beeps after exposure is complete. The timer can alternatively be switched to a 1 to 9999 hour mode for use in artificial aging or other long exposure applications.
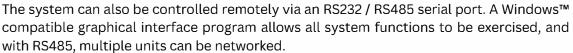
Lamp Intensity Control

The system has a user-adjustable intensity level. This feature provides the flexibility of choosing appropriate curing intensity for sensitive materials. You can password protect time, intensity and all other settings.

Remote Control via PC Serial Port

The system can also be controlled remotely via an RS232 / RS485 serial port. A Windows™ compatible graphical interface program allows all system functions to be exercised, and with RS485, multiple units can be networked.

External Logic Signal Interface

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Optional LED Spectrums

The SkyRay is available with 365nm @ 1300mW/cm2, 385nm @ 1700 mW/cm2, 395nm @ 1900mW/cm2 & 405nm @ 2200 mW/cm2 LEDs, which ensure compatibility with many types of adhesives and coatings from all manufacturers.

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Dimensions & Specs

- **System Type:** LED Flood Curing System
- **Part #s:** UV3805; UV3153; UV3937; UV3896
- **Lamp Power:** 800W
- **Input Voltage:** 100-120 / 200-240 AC ±10% (auto-ranging)
- **Input Current (Max @ 120/240V):** 13.0/6.5 Amps
- **Irradiance @ 1":** 1200mw/cm2
- **Curing Area:** 5 x 5"
- **Weight:** 11.25lbs
- **Size (L x W x H):** 6.9 x 5.44 x 10.9"

System Part Numbers

PART	Wavelength	Details
UV3805	365nm	SkyRay 800 with 365 nm UV LEDs, Includes UV/IR protective glasses, power cord and manual
UV3153	385nm	SkyRay 800 with 385 nm UV LEDs, Includes UV/IR protective glasses, power cord and manual
UV3937	395nm	SkyRay 800 with 395 nm UV LEDs, Includes UV/IR protective glasses, power cord and manual
UV3896	405nm	SkyRay 800 with 405 nm UV LEDs, Includes UV/IR protective glasses, power cord and manual

Accessories

PART	Item	Details
UV1080	Rayven Shielding Curing Chamber	Provides full shielding and shutter door interlock
UV3699	SkyRay Mounting Bracket Assy	w/ fasteners & right angle DB15 interconnect cable
UV3164	LED Filter Glass	Replacement Filter Glass For SkyRay 800
UV0725	LEDs Control Foot Pedal	Provides hands-free control of shutter and exposure timing
UV3904-XX	SkyRay Remote Control Interface Software	Windows 98/00/XP/7/8/10/11 GUI (firmware dependent)
UV3902	Right Angle USB cable	2.0 meter, black
UV3383	USB to 2-Wire RS485 Adapter / Converter	Connect PC to RS485, used with UV3924
UV3924	RS485 Remote Interface Cable, DB15 to DB9	Connect multiple units together, used with UV3383
UV0526	RS485 Logic Remote Interface Cable	Control from RS485, PC or digital logic
Multiple	Power Cords	Multiple types available
Multiple	UV Curing Tray	Stainless steel non-stick surface
UV4006	LEDCure Radiometer	Dynamic range 0.4-40W/cm2. Available in L365, L385, L395 or L405.
UV2231	UV/IR Protective Safety Glasses	Sport contour, 3.0 shade
UV0495	UV/IR Protective Safety Glasses	OTG (fit over prescription eyewear), 3.0 shade
UV1889	UV Protective Face Shield	Lift-up face shield ideal for maximum UV/light protection, 3.0 shade

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