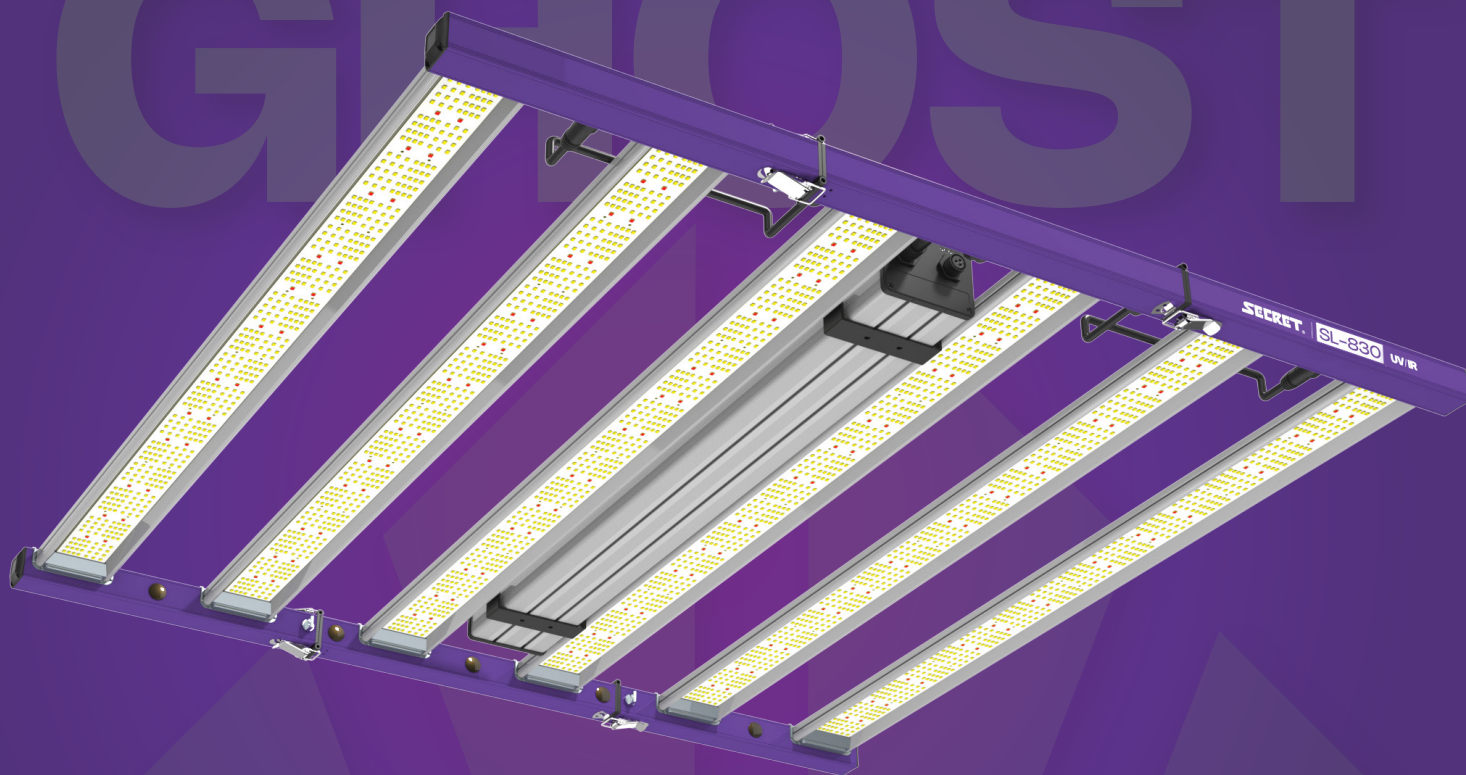


SECRET®

SL-830 UV/IR



**ENERGY USE
830W**



**FULL SPECTRUM
+UV/IR**



**WET RATED
IP65**



**5 YEAR
WARRANTY**



**ONBOARD & EXT
DIMMING**



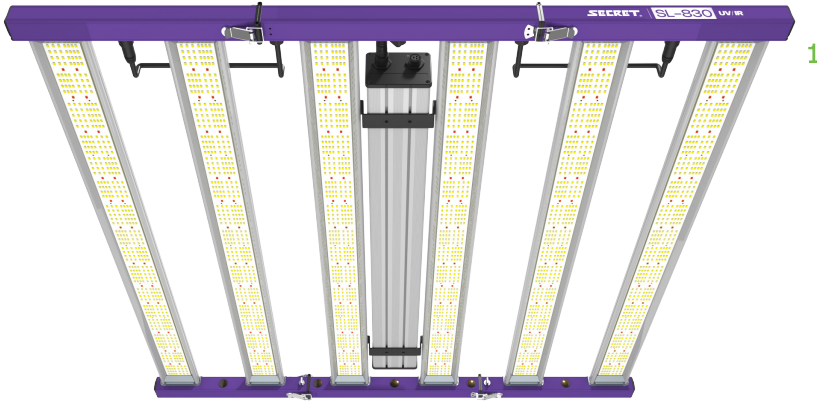
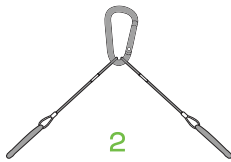
**PASSIVELY
COOLED**

secretled.com



SECRET®

SL-830 UV/IR



This full spectrum LED grow light is meticulously crafted for horticultural excellence. This fixture is nicknamed "GHOST" for its incorporation of beneficial non-visible light. Engineered with the latest technology, going beyond conventional spectrums by incorporating Ultraviolet (UV) 385nm and Infrared (IR) 730nm wavelengths.

Tailored to provide unparalleled versatility, it empowers users to optimize plant growth, quality and yield with precision.

The Secret Lighting Control (NOT INCLUDED) can be added to one or more Secret Lighting fixtures for even more precise external dimming control.

SPECIFICATION SECRET SL-830 UV/IR

Operating Voltage	100-277 VAC
Operating Freq	50/60 Hz
Input Current	6.92A @ 120V, 3.46A @ 240V, 2.99A @ 277V
PPF (umol/s)	2374
Energy Use	830 Watts (822W @ 277V)
PPF/Watt (umol/J)	2.86
Operating Temp	-4°F to 95°F (-20°C to 35°C)
BTU Output	2834
Dimensions (in)	43.31 x 43.31 x 3.15
Dimensions (mm)	1100 x 1100 x 80
Net Weight	29.76 lbs (13.5 kg)
Warranty	5 Year Limited
Life Rating	Q90 > 50,000 Hours
Certifications	ETL, CE, DLC Hort
Environment	IP65, Wet Rated

Package Contents

- 1 Fixture x1
- 2 Fixture Hooks x2
- 3 SECRET Power Cord (6.5') x1
(see available Power Cord Voltage Options)
- 4 SECRET Control Cable (9.5') x1

Power Cord Voltage Options



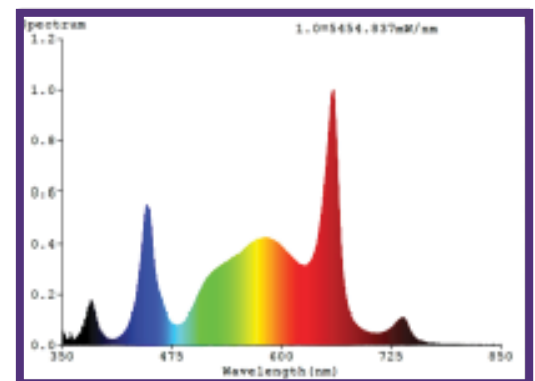
120V
(NEMA 5-15P)



240V
(NEMA 6-15P)



277V
(OPEN-END/WHIP)





SL-830

UV/IR

Precision 3-Channel Onboard Dimming

The SL-830 GHOST features three independent rotary dimming controls, providing direct manual adjustment of each light channel.

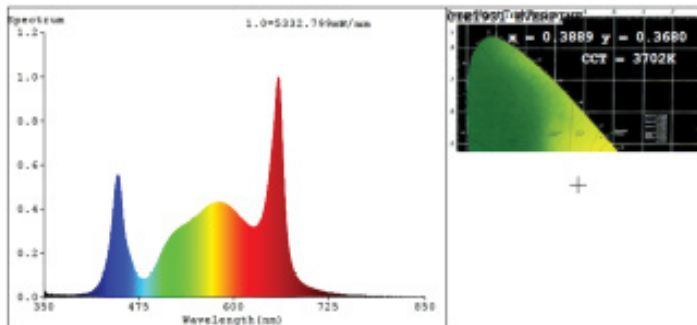
- Full Spectrum (FS) controls the intensity of the primary white output and integrated 660nm deep red diodes.
- Ultraviolet (UV – 385nm) intensity is adjustable independently.
- Infrared (IR – 730nm) intensity is adjustable independently.

The fixture utilizes a dual-driver architecture:
One dedicated driver for the Full Spectrum channel.
One shared driver managing the UV and IR channels.
This is a 3-channel configuration.

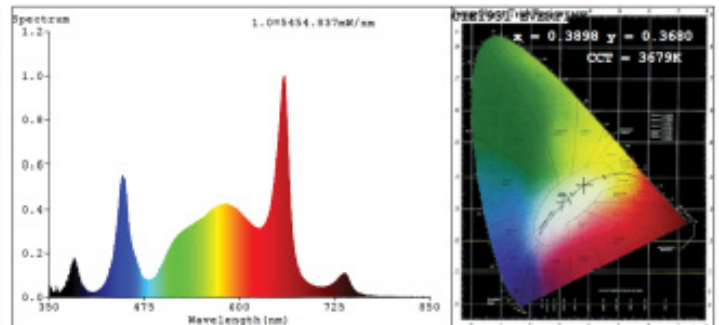


Spectrum of Each Channel

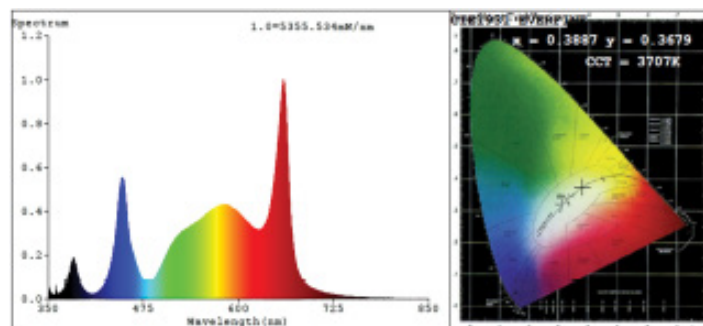
Full Spectrum 100%:



Full spectrum 100% + UV 100% + IR 100%:



Full Spectrum 100% + UV 100%:





CONTROL

Secret Lighting Control

The Secret Lighting Control is a dedicated controller designed to give you intuitive, precise command over the performance of your Secret Lighting grow lights. It allows customizable intensity adjustments and timing control across multiple channels, including dedicated UV and IR dimming, unlocking the full spectrum potential of your fixtures.

While this controller is primarily engineered to take advantage of the UV/IR features on the SL-830 UV/IR GHOST, it is also fully compatible with other Secret Lighting models such as the SL-1000 STEALTH, SL-760 STEALTH, and SL-680 MEGA. Designed with simplicity and expandability in mind, it's an ideal choice for anyone looking to elevate control, consistency, and outcomes from their Secret Lighting grow lights.



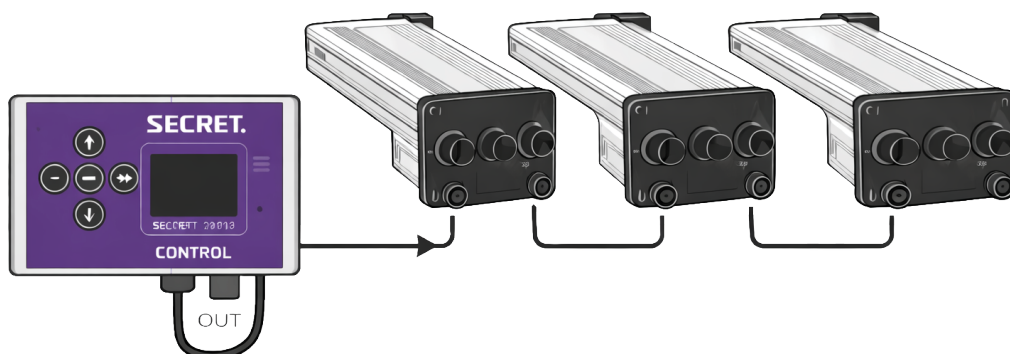
Features

- Precision dimming to seamlessly adjust light output for ideal intensity.
- Automated scheduling with customizable on/off times.
- Sunrise/Sunset simulation to mimic natural light transitions.
- UV and IR channel control for fine-tuned spectral customization.
- Temperature-activated dimming that responds to heat to protect your setup.
- Control up to 250 Secret Lighting fixtures with a single controller.
- IP65 water-tight dimming cables for reliable moisture-resistant operation.
- 1-Year limited warranty for peace of mind.

Package Contents

- 1 Secret Control x1
- 2 12V AC/DC Adapter x1
- 3 SECRET Control Cable (17') x2
- 4 Temperature Sensor x1
- 5 Remote x1

Control Signal Flow Diagram:





CONTROL

Lighting Schedule Example:

1). Dimming setting: FS 100%, IR 75% and UV 50%:

FS: 7:00-19:00	100%
IR: 30M / 2 Times	75%
UV: 120M / 2 Times	50%

If your Secret Lighting fixture is a single-channel model, only the Full Spectrum (FS) channel will interface with the controller. Ultraviolet (UV) and Infrared (IR) functions will not activate on non-equipped fixtures.

FS:	↑ 7:00	—— 7:30
	↓ 19:30	—— 20:00
UV:	120M	/ 4 Times
IR:	30M	/ 2 Times

2). Timing for FS is from 7:00 – 20:00 (13 hours)

UV: 120M / 4 times

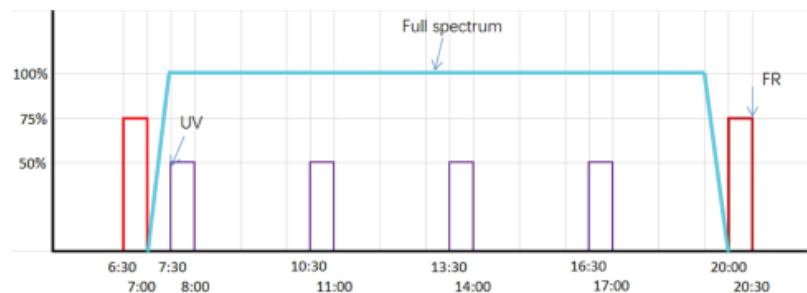
IR: 30M / 2 times

3). UV: 120M / 4 Times means:

- 120M will be divided into 4 time period equally, each time period is 30 minutes
- UV will be on for the first time period from ending of sunrise

4). If IR is 30M / 2 Times means:

- IR will be on for 30 minutes before full spectrum starts sunrise;
- IR will be on for another 30 minutes after full spectrum is off;
- Lighting schedule will be like this:



5.) If IR: 30M / 1 time, then Lighting schedule will be like this:

