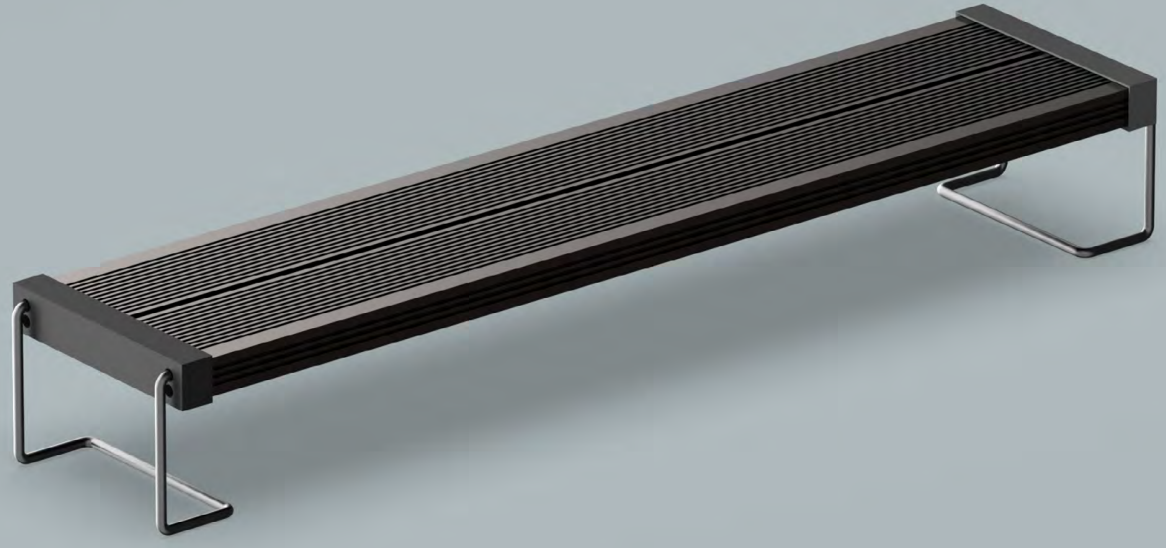
SOLAR SERIES

HIGH OUTPUT. COMPLETE CONTROL.

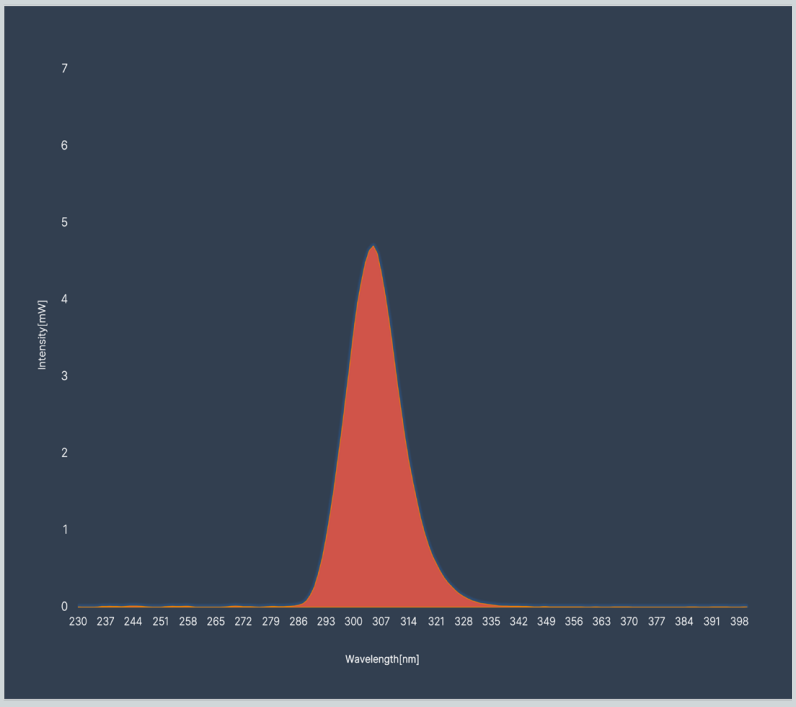
High-output UVA and UVB provide the power and flexibility to support different species, enclosure sizes and basking setups.

Adjust UVB, UVA and visible light independently to create the lighting environment your reptile needs.



UVB

Supports vitamin D3 synthesis and healthy calcium metabolism.



SOLAR UVB

SOLAR uses 305 nm UVB to support efficient vitamin D3 synthesis while reducing the potential risk associated with shorter wavelengths below 300 nm.

SOLAR 900UV delivers up to 150 µW/cm² at 45 cm—enough power for sun-loving desert species—with precise output control for different species and enclosure setups.

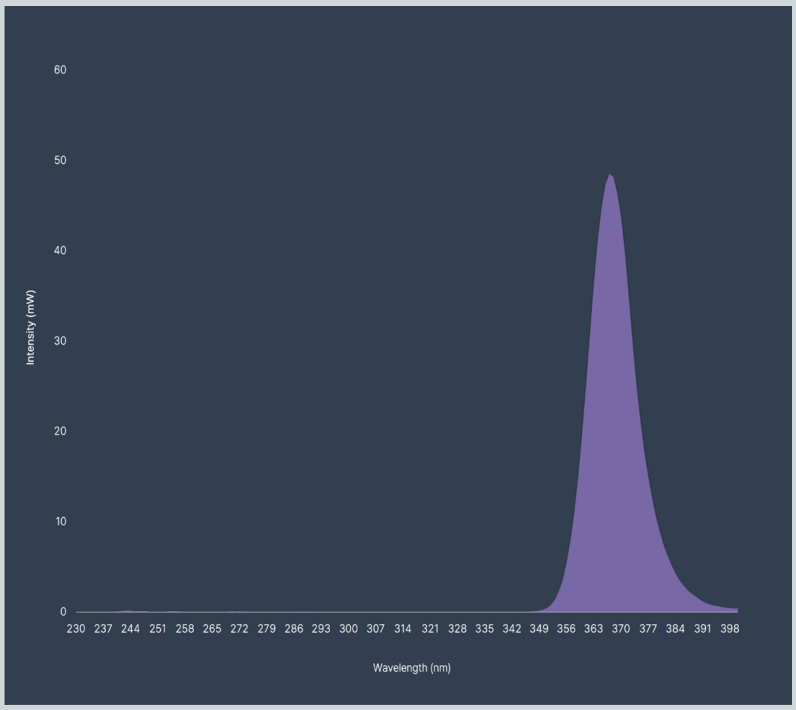
RECOMMENDED UVB EXPOSURE: 1–5 HOURS PER DAY

Set an appropriate exposure time based on the species, individual condition and enclosure environment.

DISCOVER UVB

UVA

Supports visual perception, activity, feeding and natural behavior.



SOLAR UVA

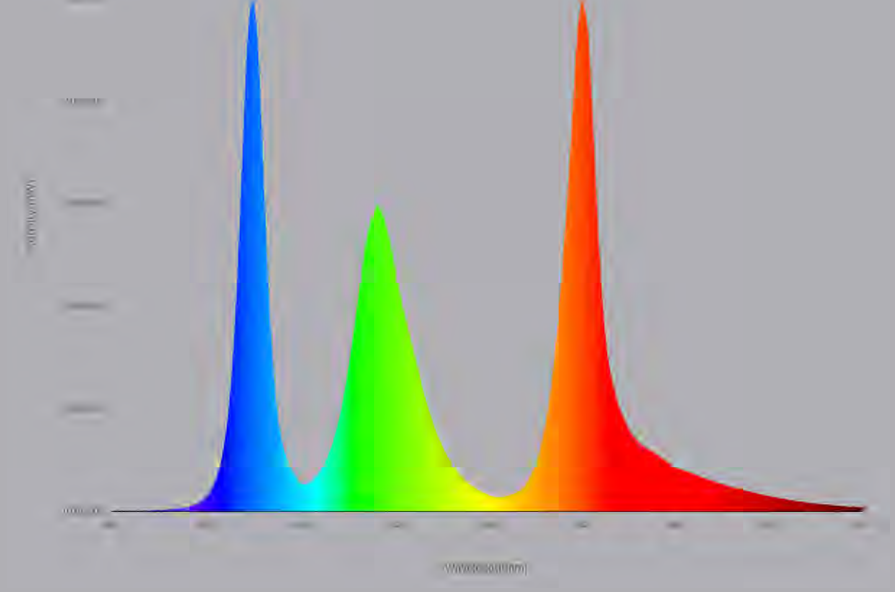
Reptiles can perceive UVA wavelengths between 320 and 400 nm, allowing them to recognize colors and patterns beyond human vision.

SOLAR uses 365 nm UVA to help reptiles identify food, their surroundings and other animals more clearly, supporting natural activity, feeding and breeding behavior.

DISCOVER UVA

VISIBLE LIGHT

A full-spectrum light designed to bring the balance and color of natural daylight into the habitat.

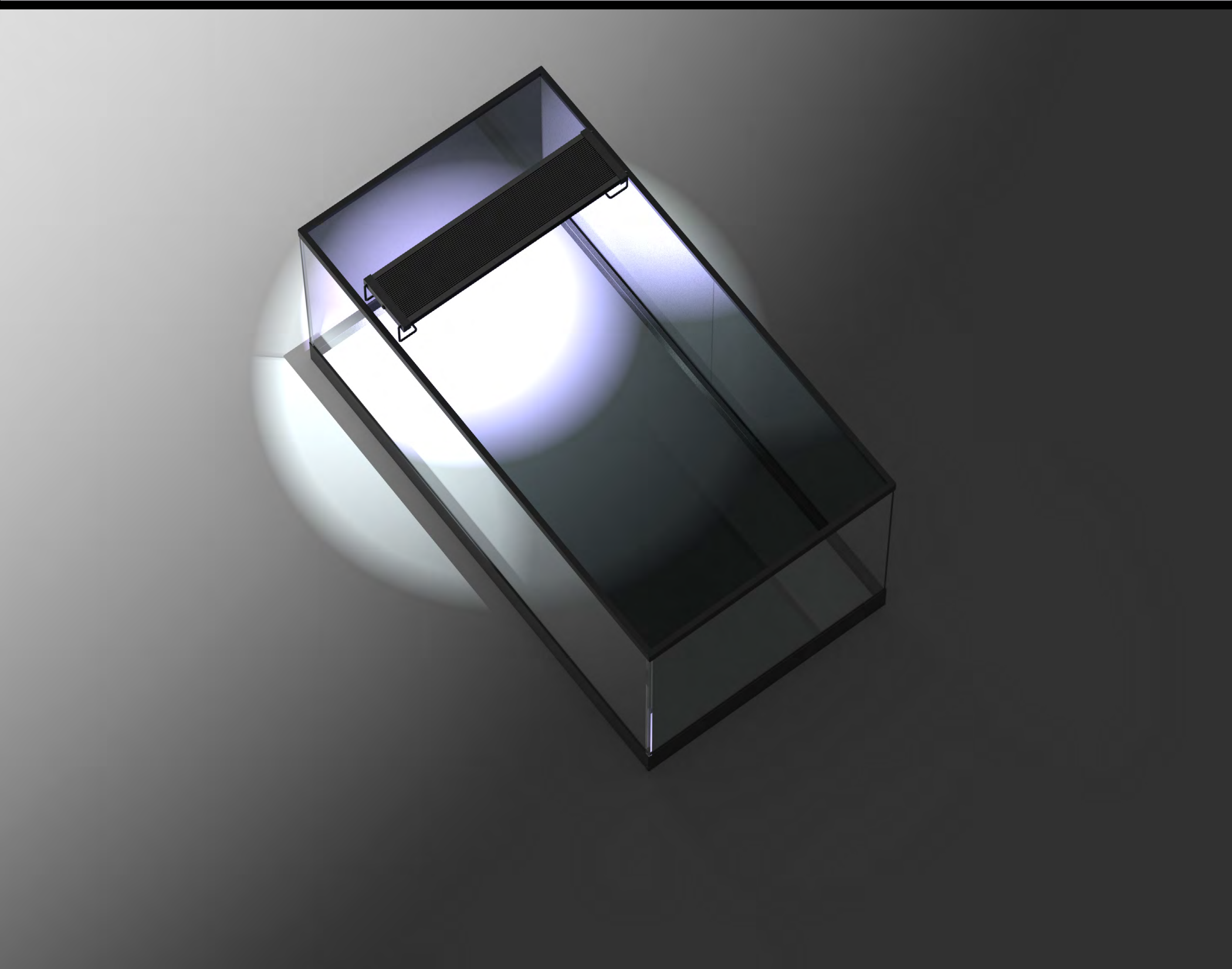


SOLAR FULL-SPECTRUM LIGHT

Unlike conventional white LEDs, SOLAR combines a broad range of visible wavelengths to create balanced, full-spectrum light closer to natural daylight.

It presents reptiles, plants and the entire habitat in vivid, natural-looking color while creating a more balanced daytime environment.

DISCOVER VISIIBLE LIGHT



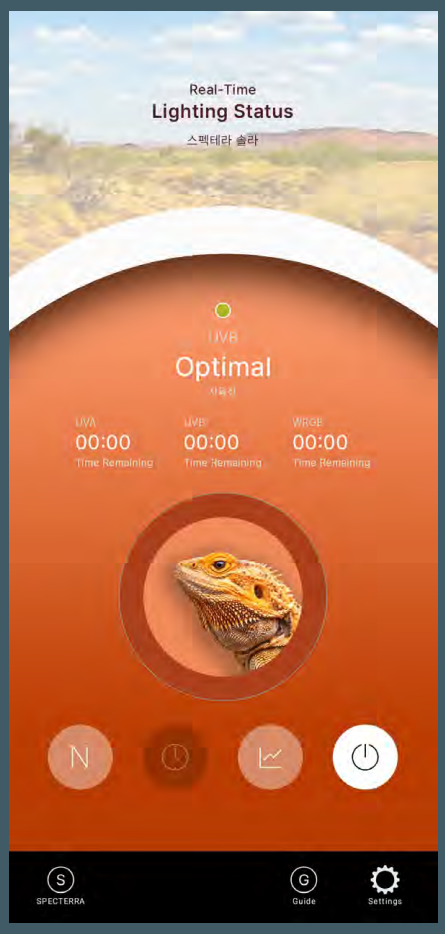
SPECTERRA

MORE NATURAL LIGHTING, MADE SIMPLE.

Combining powerful UVB, UVA, and visible light in one system, SOLAR lets you adjust each channel's intensity and schedule to create lighting suited to your reptile's habitat.

BLUETOOTH LIGHTING CONTROL

A complete lighting management system for your habitat.



Connect SOLAR to the SPECTERRA App and manage UVB, UVA and visible light directly from your smartphone.

Adjust intensity and exposure time, apply species presets and create daily lighting schedules—all through one Bluetooth control system.

PRESET

EASY LIGHTING SETUP. NO COMPLEX SETTINGS.

SOLAR provides species presets organized into four habitat categories—Tropical, Savanna, Desert and Semi-Aquatic.

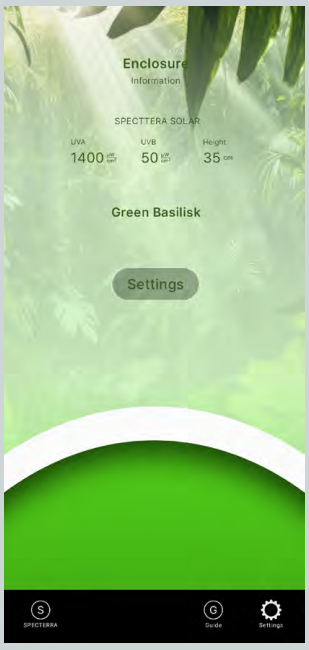
First, enter the distance between the light and the basking area. Then select a preset for your species. SOLAR applies the UVB, UVA and visible-light intensity and exposure time based on the entered distance and selected species, providing a practical starting setup without complex measurements or calculations.

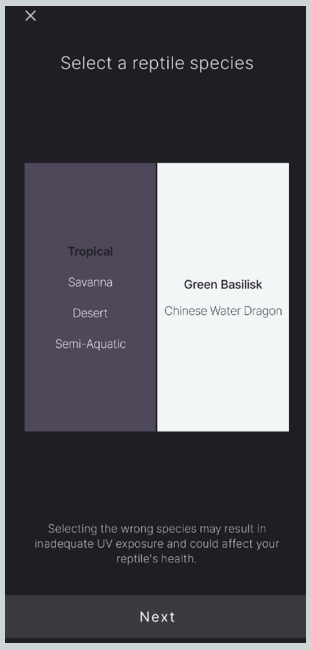
We recommend fine-tuning the applied settings based on the reptile's individual condition and enclosure environment.

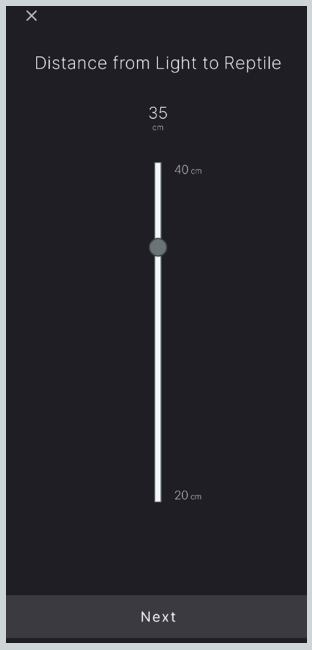
Seven species presets are currently available, with more to be added.

SETTINGS

SIMPLE TO SET UP. EASY TO ADJUST.







The main Settings screen displays the current lighting setup at a glance.

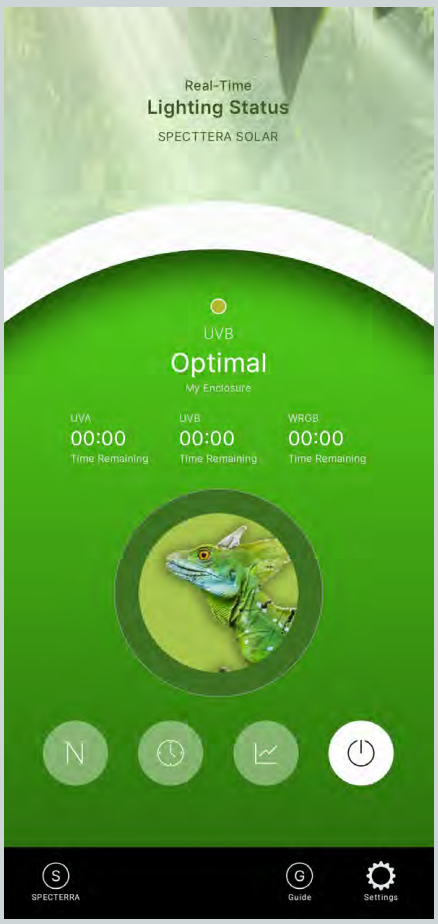
To change the settings, select the species and enter the distance between the light and the basking area. Starting settings are then applied based on the selected species and entered distance.

UVB and UVA intensity are displayed as output values based on measured data rather than simple percentage levels, allowing you to check the lighting output without separate measuring equipment.

UVB, UVA and visible light can be adjusted independently. We recommend fine-tuning the applied settings based on the reptile's individual condition and enclosure environment.

MAIN SCREEN

KNOW YOUR LIGHTING STATUS AT A GLANCE.



View the current lighting status and remaining exposure time for UVB, UVA and visible light—all from one screen. Because UVB and UVA are invisible to the human eye, the SPECTERRA App clearly shows whether each light is operating and displays the current UV status at a glance.

Power control, timers, lighting adjustments and usage data are all directly accessible from the main screen.

TIMER

BUILD A NATURAL DAILY LIGHTING CYCLE.

Set individual operating times for UVB, UVA and visible light. Each channel can follow a separate schedule, allowing the lighting cycle to be configured for the species and enclosure environment.

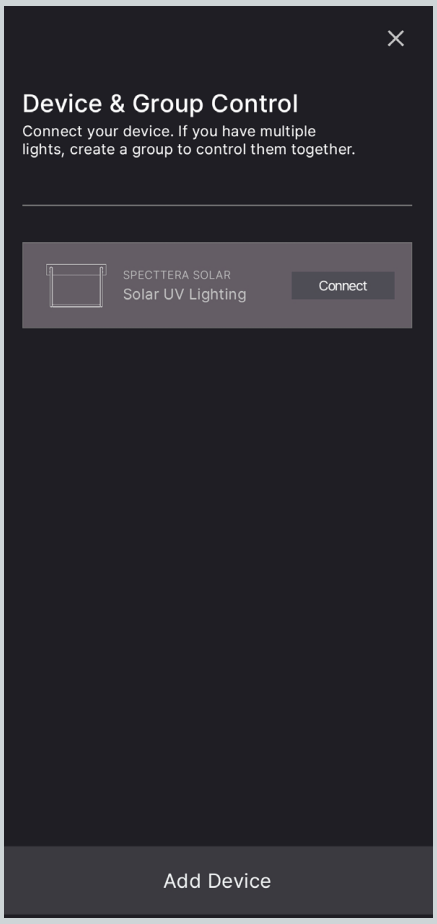
UVA and UVB can be scheduled for up to eight hours. UVB exposure should be set within the recommended range for the species and individual reptile.

The sunrise and sunset function gradually changes the output of UVB, UVA and visible light, creating natural lighting transitions that help reduce stress caused by sudden changes in light.

The SPECTERRA Timer goes beyond simple on-and-off control. It is lighting technology designed to recreate the natural rhythm of daylight.

GROUP CONTROL

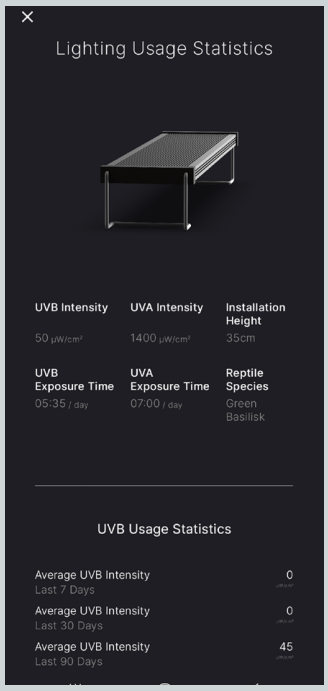
CONTROL MULTIPLE LIGHTS TOGETHER.

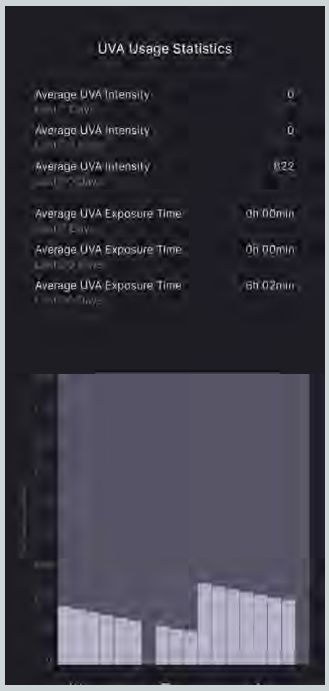


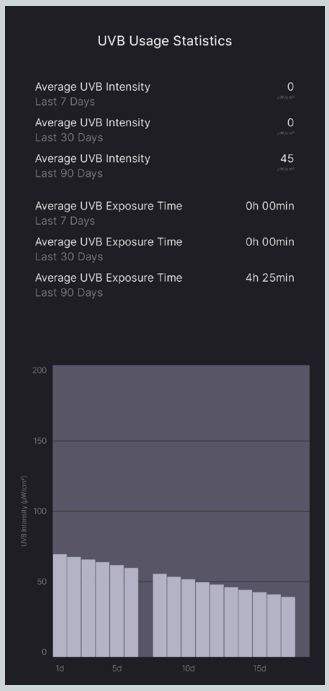
Connect two or more SOLAR lights and manage their power and timers from one main light. Each fixture retains its own UV, brightness and enclosure settings, giving every habitat individual control within one coordinated system.

LIGHTING USAGE STATISTICS

TRACK YOUR LIGHTING. REFINE YOUR SETUP.







SOLAR records UVB and UVA intensity and exposure time, providing average values for the past 7, 30 and 90 days.

Review how your lighting has been applied over time, compare changes and use the recorded data to make informed adjustments for the individual reptile and enclosure environment.

Go beyond a one-time setup. Use long-term lighting data to build a better environment over time.

SPECTERRA
THE BASKING ZONE

FOCUSED UVB. WIDE UVA.

Designed with different beam angles, the focused 60° UVB beam clearly defines the basking zone, while the wide 100° UVA beam extends across the surrounding area.

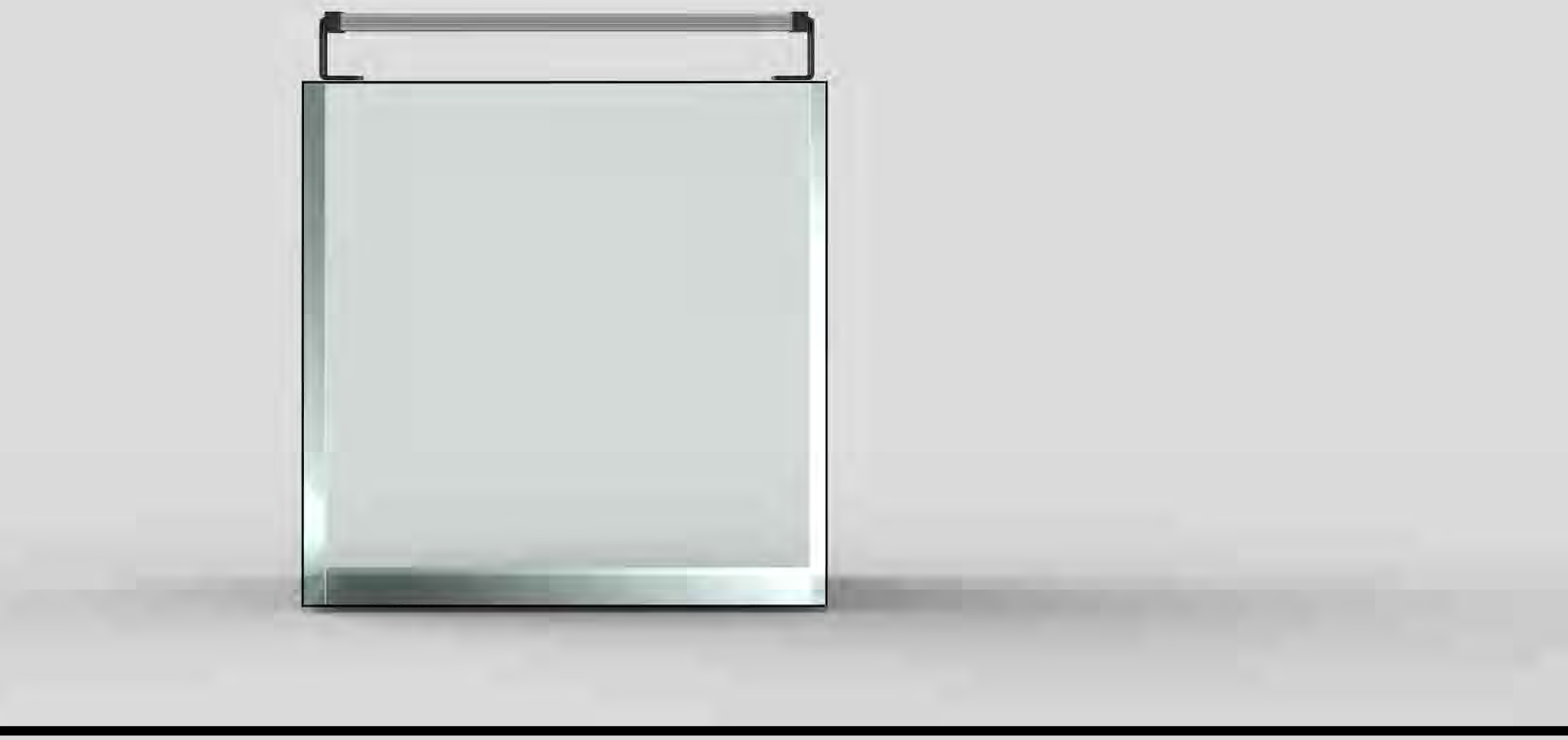
This optical design helps reptiles perceive their environment more naturally and makes it easy to create distinct basking and retreat areas within the enclosure.

APP CONTROL. BASKING-FOCUSED DESIGN.

YOUR BASKING ZONE, MADE SIMPLE.

SPECTERRA INSTALLATION

MULTIPLE INSTALLATION OPTIONS. SIMPLE SETUP.



STANDARD MOUNTING

For mesh-top enclosures, place SOLAR directly on top using the included support legs. The light rests above the mesh for a simple and stable installation.

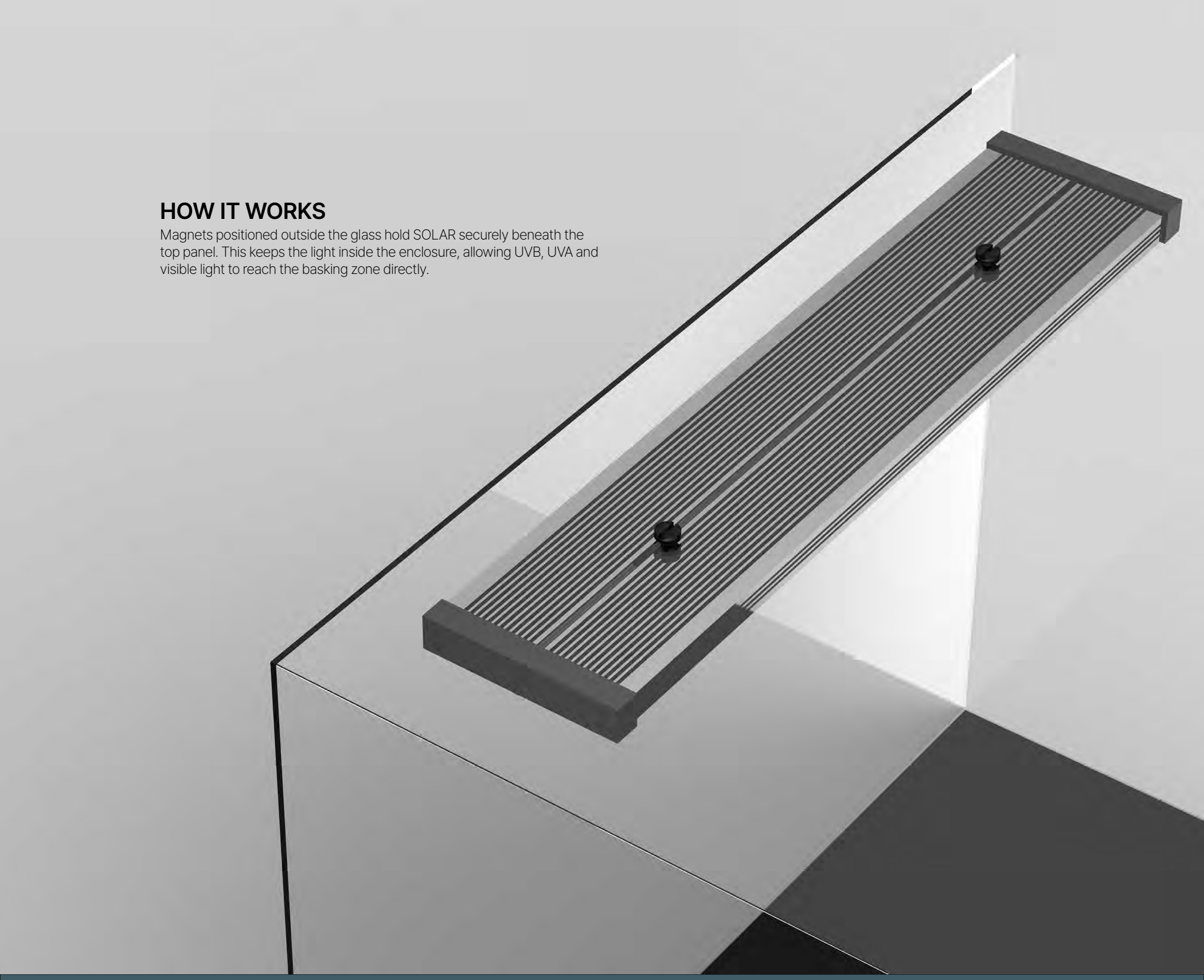
MAGNETIC MOUNTING

SIMPLE TO INSTALL. EASY TO POSITION.

OPTION 01 - Sold separately.

HOW IT WORKS

Magnets positioned outside the glass hold SOLAR securely beneath the top panel. This keeps the light inside the enclosure, allowing UVB, UVA and visible light to reach the basking zone directly.



SPECTERRA SOLAR
PRODUCT SPECIFICATIONS

SOLAR LINEUP

300UV

- Product Size: 28.3 × 10.5 × 1.9 cm / 11.1 × 4.1 × 0.7 in
- Power Consumption: 27 W
- Light Output: 1,700 lm
- Recommended Tank Width: Up to 40 cm / 15.7 in

450UV

- Product Size: 43.3 × 10.5 × 1.9 cm / 17.0 × 4.1 × 0.7 in
- Power Consumption: 42 W
- Light Output: 2,700 lm
- Recommended Tank Width: Up to 50 cm / 19.7 in

600UV

- Product Size: 57.5 × 12 × 2 cm / 22.6 × 4.7 × 0.8 in
- Power Consumption: 65 W
- Light Output: 4,100 lm
- Recommended Tank Width: Up to 70 cm / 27.6 in

900UV

- Product Size: 86.7 × 12 × 2 cm / 34.1 × 4.7 × 0.8 in
- Power Consumption: 100 W
- Light Output: 6,200 lm
- Recommended Tank Width: Up to 100 cm / 39.4 in