

Redefining Nature's Potential



**Global Leader in Innovative
Horticulture Lighting Technology,
Controls and Services**



ABOUT US:

Heliospectra was founded in 2006 in Sweden by plant scientists and biologists with one vision – to make crop production more intelligent and resource-efficient. Today, with customers spanning six continents, Heliospectra is the global leader in innovative horticulture lighting technology, custom light control systems and specialized services for greenhouse and controlled plant growth environments.



INNOVATION

We provide the most advanced crop lighting, controls and services to customers across six continents.



EXPERTISE

Our team consists of plant biologists and actual growers who understand your growing needs.



COLLABORATION

Rooted in plant and light research, we partner with you from seed to harvest.



QUALITY

Each portfolio of light is designed to optimize the quality of your crop in your unique growing environment.



SUSTAINABILITY

We can help make your crop production more intelligent, sustainable and resource efficient.



PASSION

Our passion is to redefine nature's potential so that together we can feed and heal the world.

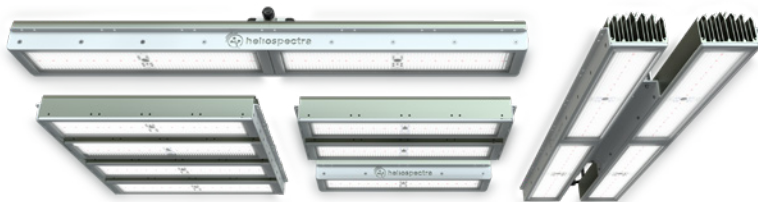


We are on a mission to redefine nature's potential through innovation, technology, and meaningful partnerships coupled with our commitment to delivering operational excellence to our growers.

MITRA

Designed by Growers for Growers

[Download MITRA spec sheet](#)



"By using Heliospectra LED grow lights we were able to cut the HVAC demanded in half, saving The Grove over 1.4mil USD in upfront expenses."

– Master Grower and Cultivation Manager, The Grove



Cannabis



Herbs



Tomatoes



Microgreens

2.8 $\mu\text{mol}/\text{j}$ of Fixture Efficacy

Maximize your harvest consistently harvest after harvest while saving electricity, with consistently high-quality LED light output.

3 Customized Spectra for Diverse Applications

Achieve your unique growth goals with spectral options specifically tailored to every application.

25% More Terpenes and Cannabinoids

Deliver truly next-level products by maximizing plant expression and secondary metabolites in cannabis crops.



Cannabis



Herbs



Tomatoes



Microgreens

1,000⁴ Spectral Combinations

Always be in control, no matter what you grow, with variable control spectra and a seemingly infinite number of light strategies.

90% More Yield

Increase production cycle after cycle and year-round with lighting to meet every crop's requirements.

46% Less Energy Use Than HPS

Reduce energy consumption and save on HVAC infrastructure costs, all while increasing production, with highly efficient LEDs.

ELIXIA

Unparalleled Flexible Spectrum Control

[Download ELIXIA spec sheet](#)



"Increased yield by 13% over the winter growing season, Heliospectra LED lighting helped us deliver fresh, flavorful and highest quality arugula and microgreens to more than 400 retail stores across Toronto, Canada."

– Master Grower and Cultivation Manager, Greenbelt Microgreens

SIERA

The Perfect Vertical Solution

[Download SIERA spec sheet](#)



"With its astonishingly light weight (1 kg /2.2 lbs), IP67 rating, and simple mounting solution SIERA light bar redefines the ways in which growers can approach their vertical farming installations."



Cannabis



Herbs



Microgreens



Vertical Farming

5 Different Spectral Variants

Ensure healthy, high-quality production year-round with spectral variants for every purpose, no matter the crop or production stage.

IP 67 Rating

Easily keep lights clean, safeguard against moisture and avoid damage due to harsh growing conditions with this durable IP 67 rating.

1kg Fixture Weight

Reap the benefits of heavy duty build quality and efficient, optimized mounting with these incredibly light fixtures.



Herbs



Microgreens



Research

1,000⁹ Spectral Combinations

Move your research forward with countless spectral options and full wavelength control from UVA.

134 Research Institutions Trust DYNA

Researchers around the globe trust DYNA to consistently aid diverse research and applications, with precision spectra control and wireless functionality.

50% Removable Heat

Maintain precise temperature control in growth chambers and remove up to 50% of the heat generated by fixtures, through innovative ducting solutions.

DYNA

Designed for Plant Scientists

[Download DYNA spec sheet](#)



"At University of Queensland, we replaced the old HPS vapour lamps with Heliospectra LED grow lights and saved approximately 28% power required for lighting and about \$10,000 in costs associated with bulb replacement each year."

– Dr. Lee Hickey, University of Queensland

helioCORE™

Light Control System

Smart technology making your lights even smarter

Take the guess work out of advanced lighting and connect your Heliospectra lights to helioCORE™. Our integrated light control system will give you consistent, high-quality crop production all year-round.

helioCORE™ Enables You To:



Forecast Production

Apply customized lighting strategies across the production and harvest cycle to induce flowering, extend photoperiods or develop the flavor profiles you are looking to achieve.



Predict Yield

Adjust your lights based on predictive algorithms and real-time data to give the daily light intervals your plants need.



Maximize Growth

Maintain light intensity and quality to maximize plant efficiency and photosynthesis.



Optimize Light Zones and Groupings

Organize your light strategies by crop type or production stage. Group lights and create light zones to standardize schedules and settings.



Monitor Your Grow Facility

Monitor your hardware status and quickly adjust light settings, intensities and spectra from any type of device.



Save Money

Track your energy consumption and run your lights during the most cost-efficient hours when energy and utility costs are lowest.

[Learn more about helioCORE™](#)

Your CORE benefits:

- ⌚ Ensure a consistent, optimal lighting regime for your operation at all times
- ⌚ Operate the full system locally – internet connectivity optional
- ⌚ Monitor and adjust your lights from any device
- ⌚ Design your proprietary growing strategy to increase nutritional value, improve flavor profile and extend shelf life

helioCARE™

Cultivation Services

Innovation, Technology and Meaningful Partnerships

Freeing up your team to focus on core operations, we partner with you from the ground up to help you achieve your crop goals. Whether you want to increase yields, improve quality, alter morphology or accelerate production, our industry experts provide customized, collaborative services that get results.

helioCARE™ Enables You To:



planningCARE

Our experts can optimize the light conditions in your greenhouse, indoor grow facility or research chamber.



trainingCARE

We work with your team to create a customized training curriculum based on your crop and production goals.



siteCARE

We can help you get the most out of your light solution with on-site installation support and ongoing consultancy.



researchCARE

Our Plant Lab carries out customized research and pilot projects for you, to accelerate results and achieve specific crop and performance objectives.



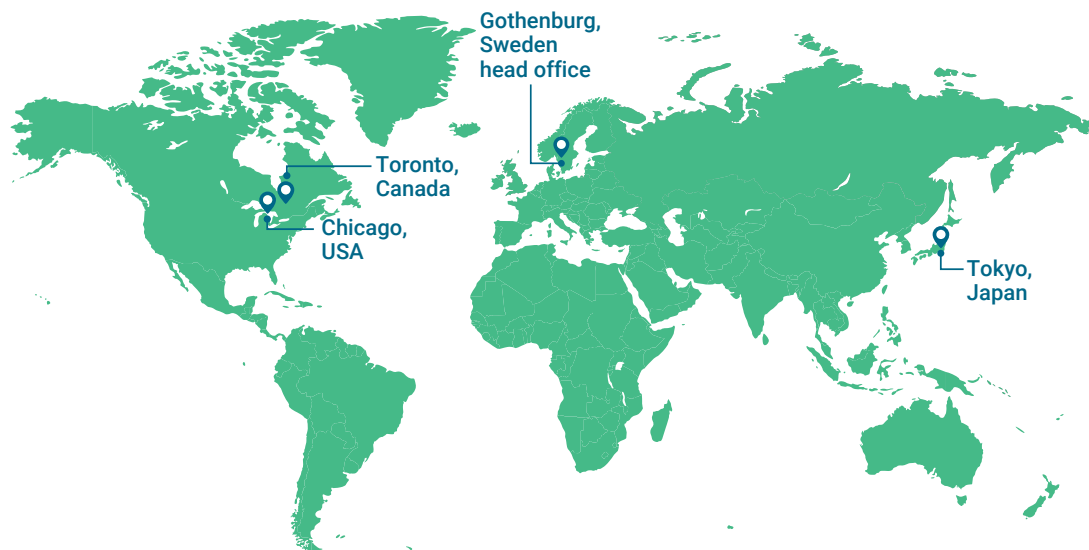
trialCARE

Try the solution on-site with our industry experts before committing.

[Learn more about helioCARE™](#)

“What was really impressive was that we found that by changing the ratio of far-red and red, Vitacress could get the basil plants to actually be chill tolerant. By shining this different ratio of LED lights on basil for a period of time, we significantly extended the shelf life of our potted plants in the retail stores.”

– Chris Moncrieff, Production Director, Vitacress



We work with you from seed to harvest, bringing an inspired blend of Swedish design simplicity, tech ingenuity and plant knowledge to every project. We partner with you to optimize crop production and increase speed to market of quality products. We are here not only to help grow your crops, but also to grow a lasting and productive partnership. Let us redefine nature's potential, together!

Visit us online at www.heliospectra.com



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