Redefining Nature’s Potential

A 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
Premium solutions designed to maximize the quality of your crops in every growing environment.

Sustainability
We help you consistently produce sustainable and resource efficient nutritious crops.

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

LED Grow Lights
Made in Sweden

- MITRA
- ELIXIA
- SIERA
- DYNA

Crop Control
helioCORE™

- FORECAST PRODUCTION
- PREDICT YIELD
- MAXIMIZE GROWTH
- OPTIMIZE LIGHT ZONES AND LAMP GROUPS
- SAVE MONEY
- MONITOR YOUR GROW FACILITY

Crop Services
helioCARE™

- LIGHT PLANNING
- ON SITE SERVICE
- TRIALS
- CULTIVATION TRAINING
- USE OUR LABS

Redefining Nature’s Potential
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MITRA
Designed by Growers for Growers
DOWNLOAD MITRA SPEC SHEET

Cannabis  |  Herbs  |  Tomatoes  |  Microgreens

2.8µmol/J of Fixture Efficacy
Maximize your production, harvest after harvest, while saving electricity with consistently high-efficiency 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.

“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

IP67 Dust & Waterproof

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

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

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

Increasing 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

Cannabis  Herbs  Tomatoes  Vertical Farming

2 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.

“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.”

Redefining Nature’s Potential
DYNA
Designed for Plant Scientists
DOWNLOAD DYNA SPEC SHEET

Move your research forward with countless spectral options and full wavelength control from UVA to Far-red.

1,000° Spectral Combinations

134 Research Institutions Trust DYNA

Researchers around the globe use DYNA to aid diverse research 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 with innovative ducting solutions.

"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
Crop Control
helioCORE™

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.

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 deliver the daily light integral your plants need.

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

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

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

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

Your CORE benefits:
- **DLI Controller** - support optimal plant growth and prioritizing light use
- **On Target Controller** - prioritize plant efficiency & photosynthesis
- **Schedule** - induce flowering or extend the photoperiods

Learn more about helioCORE™
Crop Services
helioCARE™

Innovation, Technology and Meaningful Partnerships

We partner with you from the ground up to help you achieve your crop goals.

Your CARE benefits:
- Achieve your crop goals
- Increase yield and improve quality
- Alter morphology and accelerate production

Light Planning
LIGHT PLANNING SERVICES:
Our experts can optimize the light conditions in your greenhouse, indoor grow facility or research chamber. *

Cultivation Training
CULTIVATION TRAINING SERVICES:
We work with your team to create a customized training curriculum based on your crop and production goals.

On Site Service
BENEFIT FROM OUR ON-SITE SERVICES:
We can help you get the most out of your light solution with on-site installation support and ongoing consultancy.

Use Our Labs
LAB SERVICES:
Our Plant Lab carries out customized research and pilot projects for you to accelerate results and achieve specific crop and performance objectives.

Trials
TRY-BEFORE-YOU-BUY SERVICES:
Try the solution on-site with our industry experts before committing.

Learn more about helioCARE™
Swedish by design, global in growth. We partner with you to optimize crop production and increase speed to market of quality products.

Let us redefine nature’s potential, together! Visit us online at www.heliospectra.com

LET’S CONNECT