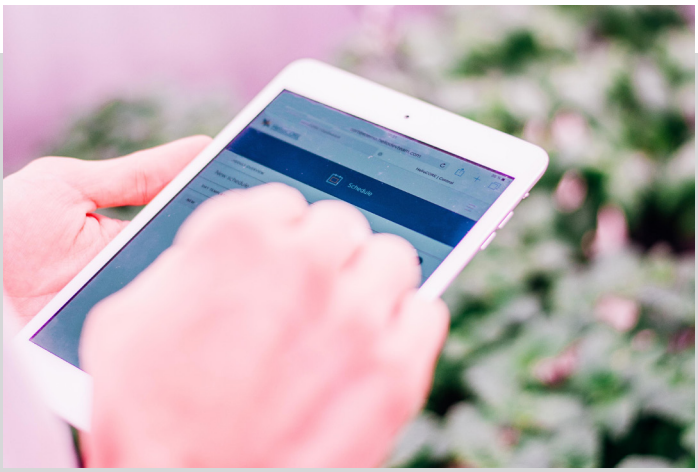
heliospectra DYNA

THE MOST ADVANCED R&D LIGHTING SOLUTION ON THE MARKET, OFFERING PLANT SCIENTISTS CENTRALIZED SOFTWARE CONTROLS AND 9 INDIVIDUAL, PROGRAMMABLE WAVELENGTHS.



Schedule Controller

Automated Light Response with market leading schedule control

The helioCORE™ Schedule Controller allows you to induce flowering or extend the photoperiod for food and long-day flower crops using automated and pre-set schedules. Apply customized lighting strategies across the production and harvest cycle.

Increase Yield

Achieve consistent year-round yields by supplying perfect light 365 days per year to ensure optimal plant growth and crop quality.

Control Consistency

Achieve negotiation advantages in the marketplace to secure premium pricing and deliver superior products with predictable results.

Accelerate Harvest

Shave days off production and harvest cycles to maintain tight inventory control and time to market.

Improve Quality

Enhance crop appearance, improve taste, decrease waste, boost nutritional values and extend shelf life, harvest after harvest.

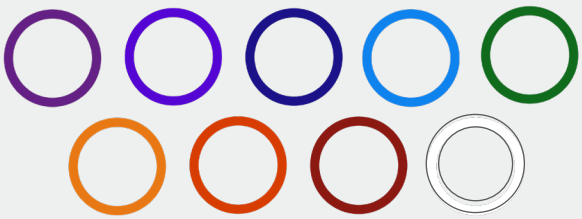
DYNA

heliospectra

Description:	Programmable LED Plant Lighting System
Power Usage:	10.5 to 390 W
Dimensions:	19.9 cm (7.8 in) x 21.9 cm (8.6 in) x 42.5 cm (16.7 in)
Input Voltage:	100 to 277 VAC, 50/60 Hz
Max Current:	2.89 A @ 120V | 1.45 A @ 240V | 1.31 A @ 277V
Operating Temp:	-10-40 °C (14-104 F)
Storage Temp:	-20 to 70° C (-4 to 158° F)
Heat Value:	Up to 1330 BTUs/hr
Housing:	Durable ABS plastic and powder coated aluminium
Hanging Attachments:	DIN M6 I-Hooks (Premounted)
Cooling:	Active, variable speed cooling. Fan rated to 70 000 hrs at 40° C, 60% humidity, 90% CL
Operating Humidity:	90 % (max) relative humidity, non-condensing
Status Indicators:	Status LED for power/system status indication
Weight:	8 kg (17.6 lbs)
Warranty:	3 years
Lifetime:	50 000 hrs (rated life to 90% of initial photon flux)
Certifications:	CE, ROHS, cETLus, UKCA
Ingress Protection Rating:	IP24
Plug Options:	Nema 5-15, Nema 6-15, Schuko or Open-ended
Controllable:	Web User Interface or helioCORE controlled
Typical Output:	390 µmol/s (including far-red)
Fixture Efficacy:	1.0 µmol/j (including far-red)

Spectrum

THE RESEARCH PLATE



Wavebands: UV-A (380nm), Blue (400, 420 & 450nm), Green (520nm), Red (630, 660nm), Far Red (735nm), & White (5700K)

DYNA is the world's most flexible plant science R&D tool, perfect for research and laboratory use.

Recommended Applications:

- Research such as plant development, plant physiology, plant biochemistry, and entomology, etc.
- Research lab walk-in chambers, growth cabinets and research greenhouses.
- Phytoceutical development and medical plants.

Market Leading Spectrum Control

9 wavelenghts ranging from UV-A to far red, ready to handle all kinds of research projects.

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