

R(evö<sup>o</sup>lution)<sup>2</sup>



# LIFE STARTS WITH LIGHT

Your lighting system is the beating heart of your indoor garden providing the essential input energy for growth and bloom. So doesn't it make sense to design it as a system so that everything works perfectly together?

## INTRODUCING DEVA — THE INTEGRATED PLANT LIGHTING SOLUTION

Growers no longer have to mix and match grow light components and hope for the best. DEva is a fully-integrated, plug n' play, super high intensity grow lighting system offering a host of unique benefits for growers. We started with the world's best, most efficient, artificial light source for growing plants: the Ushio 2,100  $\mu\text{mol}$  double ended (DE) high pressure sodium (HPS) lamp. Next, we created the ideal fixture around it. Using high-grade components normally reserved for aircraft avionics, we engineered a state-of-the-art 1000W, low frequency square wave electronic ballast and integrated it with a super-efficient, compact reflector.



Ready to grow full DEva  
1000W grow lighting system  
(includes Ushio HPS lamp!)

**\$499** MSRP

**THE RESULT? MORE PLANT-USABLE LIGHT PER WATT THAN ANY OTHER ARTIFICIAL LIGHT SOURCE. PERIOD!** Professional growers understand the weight of this statement—more harvestable produce for less energy. But you'll not only save money powering your grow lights. DEva outputs more plant-usable light with fewer watts. That means less heat in your grow room and lower cooling energy costs.

**IN A LEAGUE OF ITS OWN: THE DEVA'S INTEGRATED LOW FREQUENCY SQUARE WAVE ELECTRONIC BALLAST.** Designed from the ground up, the DEva 1000W DE ballast rewrites the rule book for indoor growers. It runs cooler and quieter than any other e-ballast, emits virtually no electromagnetic interference, and oscillates at just 100 Hz instead of 70,000 to 100,000 Hz! As such, it perfectly powers the Ushio DE HPS lamp, avoiding the acoustic resonance issues that plague other electronic ballasts. DEva even adjusts the output waveform to continually optimize the lamp's output as it ages, and can light HPS, Halide or Ceramic bulbs DEva's avionics-grade capacitors are rated for thirty-six years of continuous operation whereas even premium-priced European ballasts are rated for just three. With DEva you'll enjoy a safer indoor garden with higher performance, longer lamp life, less lumen depreciation, and lower maintenance costs.

# BUILT WITHOUT COMPROMISE

**The DEva Reflector.** Our dedication to using the very best components and materials available is exemplified by the DEva Reflector. Constructed from the finest German, dimpled Miro aluminum, our compact reflector boasts an incredible 97% reflectivity rating and a rounded, grower-friendly shape. No more sharp-edged, white-hot reflectors to cut or burn you. DEva focuses the intense growing power of the Ushio 1000W DE HPS lamp to create a uniform yet penetrating growing footprint of up to 25 square feet. Heat dissipates easily out of the fixture while your plants bask in intense, PAR-rich light.



**Smart Control for Hobbyists and Large Scale Professional Growers.** The RLC-1, our groundbreaking, all-digital lighting controller, can run ten times more ballasts at ten times the distance of other controllers because even premium-priced European controllers still use primitive analog electronics. The first and only all-digital lighting controller, the RLC-1 is light-years ahead of anything else. Yes, you read that right—this incredibly compact, grower-friendly unit can control one, two or up to 512 DEva grow lights, as far as 1000 feet away with no start-up surge! Over five hundred 1000W grow lights, in two separate zones, all controlled from a single box? Yes, but that's just the beginning!

The RLC-1 can simulate sunrise and sunset through its automatic dimming feature, gradually warming up your plants as Mother Nature does. It also captures data on incoming power, lamp life, voltage changes, and brown-outs and black-outs along with a built-in clock and 30-year rated battery back-up. The RLC-1 can even sense when temperatures in your grow room are too high and responds by dimming your lamps automatically, helping to mitigate environmental stress and potential damage to your crop.



RLC-1 Ballast Controller

**\$299** MSRP

# AEROSPACE QUALITY. RELIABILITY. PERFORMANCE.

## DEva 1000W Integrated Grow Light

- ➔ First and only **Field Repairable** grow light
- ➔ First and only e-ballast to pass FCC CONSUMER testing.
- ➔ First and only Silent Squarewave® electronic ballast
- ➔ Surge protected, computer controllable, generator safe
- ➔ HumidiGuard™ silicone coated electronics for long life
- ➔ 97% reflective, German Miro aluminium reflector



## RLC-1 Controller

- ➔ Control up to 512 DEva 1000W lights in two zones
- ➔ No start-up surges
- ➔ Automatic Sunrise/Sunset
- ➔ Automatic dimming with temperature
- ➔ Built-in clock and battery back-up
- ➔ Tracks brownouts, blackouts, lamp hours
- ➔ Uses common "buy it anywhere" telephone cables
- ➔ Intelligent re-strike minimizes downtime after blackout

## SPECIFICATIONS

Input voltage	120/240v or 240/277v or 347/480v AC 50/60 Hz
Input current	4.40 Amperes @ 240 volts
System efficiency	94.7% @ 240 volts
Driver efficiency at full power	> 98%
Power factor	> 99.95%
Light Source	1000W 400v double ended lamp
Luminous Flux	> 2100 µMole/sec
External Dim	Revolution or Autopilot controller
External Dim Connector	RJ11 (6P4C)
Internal Dim	Push-button on panel
Output power	600 – 1150 dimmable in 1% steps
Dimming	Push-button or external controller
Certifications	Certified to FCC Part 18 Class B, FCC Part 15 Class B CSA Certified to UL 1598, CE Certified RoHS and RoHS2 Certified
Dimensions	305mm x 650mm x 135mm (about 26 x 12 x 5 inches)

# Revolution<sup>2</sup>

Download full technical specs at [www.revolutionmicro.com](http://www.revolutionmicro.com).  
Quantity discounts available. Wholesale inquiries welcome.

Contact Greg Richter at [Greg@RevMicro.com](mailto:Greg@RevMicro.com)

