

AVICI



\$999 MSRP



Innovative Technology, Factory Direct Pricing

Introducing Revolution Micro's Avici 1150w Programmable Spectrum LED

\$999 MSRP

At 2,300+ uMole, the Avici is twice the light output of most competitors at half the cost.

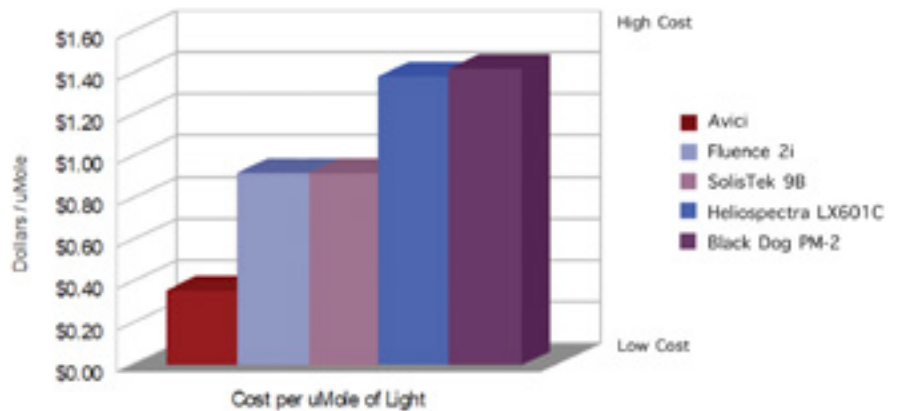
No matter who you compare to, lighting a room with the Avici costs less than half that of any other LED.

Comparing to HPS DE, after the second lamp replacement HPS is more expensive than the Avici LED.

The Avici can also qualify your facility for government rebates, and we will help you fill out the paperwork.

Product	Power	Output	Efficacy	Price	Cost per uMole of Light
Avici	1150	2300	2.03-2.85	\$999	43 cents
Fluence 2i	630	1700	2.7	\$1,565	92 cents
SolisTek B9	720	1625	2.3	\$1,499	92 cents
Heliospectra LX601C	636	1335	1.8-2.1	\$1,849	\$1.39
Black Dog PM-2	1050	1602	1.53	\$2,279	\$1.42

Cost of Light



Performance Metrics

How is the Avici **brighter, stronger, and less expensive** than any other light?

It's all in the design.

- 1150 watts of actual power
- 32 year part life components.
- Only LED to pass FCC Part 15B
- Certified Third Party Laboratory Tested
- 100% Osram top-bin diodes, no substitutions
- In-house driver design
- Lowest Failure rates at 0.0003%
- Runs any voltage - 120v, 240v, 277v
- 2,300 uMole of light, CSA Certified
- Conformal coated, designed for high humidity

The 1150w, 2,300 uMole Avici is a true watt-for-watt replacement for an HPS system. With every aspect of the lighting and control system designed by one multi-talented electronic engineer, the result is ultimate lighting integration and endless technological possibility.

Aerospace performance and reliability, now available for your grow.



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World's First Programmable Spectrum

Presets

Defined and tested by top growers and universities around the world.

The Avici has four preset spectra:

- Clone
- Flower
- Veg
- Finish

Fully Customizable Spectrum

Avici is the world's first fully programmable horticultural LED that allows you to use as much or as little of any color as you like. You can even create and customize proprietary spectra for specific phenotypes.

100% OSRAM - No Substitutions

We use only top shelf OSRAM LED chips and have created a beautifully even light distribution for a perfect 5x5 to 6x6 footprint ideal for indoor or greenhouse supplemental lighting.



Light Output

More Light - Less Cost

The Avici's massive light output means you need far fewer fixtures in a room. For example, a 60' by 40' room with a target brightness of 850 PAR would either need 96 Avicis or 130 Fluence 2is. With Avici's aggressive price point, you can light the room to the same brightness for half the cost.

Lighting Cost for Example Room

60' x 40' PAR: 850

Product	Total uMole	Fixtures Needed	Total Cost
Avici	220,800	96	\$95,904
Fluence 2i	221,000	130	\$203,450
SolisTek B9	221,000	136	\$203,864
Heliospectra LX601C	218,940	164	\$303,236
Black Dog PM-2	218,400	208	\$474,032

Brighter than a DE and 12% more efficient.

Unrivaled Reliability

Less than **1%** of our customers have ever experienced a single problem.

Our Methods

How did we achieve a documented failure rate of less than 0.0003% compared to the typical 15%?

- **Four Step Quality Assurance Process**
Every product is tested twice by robotic inspection and twice by trained technicians. Four quality check points, 100% tested.
- **Field Repairable**
Removable boards for easy on-site repairs
- **Conformal Coating**
Aerospace grade HumidiGuard™ silicone coating allows the Avici to function in high humidity conditions for uninterrupted performance.
- **Revolution Microelectronics products are designed in Thailand and America**
Proudly made in Thailand at our ISO 9001 Certified facility.
- **Uncompromized Build Quality**
From the design through the manufacturing process, no expense is spared to create the best possible product. Designed and built to outlast any other light on the market.
- **Thirty-two year rated part life**
Compared to the industry standard of 3-5 years, we've set a new standard in quality.

Years of laboratory research and development have culminated into the world's brightest, lowest cost, high performance LED



Lowest Failure Rates in the Industry

0.0003%

Lighting Controller

Touch screen lighting controller and environmental monitor all in one

\$499 MSRP

TouchMi uses an all-digital sensor to collect temperature, humidity and CO₂ right at the canopy. Temperature is accurate to 1 degree, humidity to 2% and CO₂ to 2%. CO₂ is even self-calibrating! Finally, a laboratory-grade instrument for your grow!

- Temperature
- Humidity
- Vapor Pressure Deficit
- CO2 Concentration



TouchMi can be run remotely by phone, or by using the built-in touchscreen.

- 512 lights in two zones
- Sunrise/sunset
- Over temperature dimming
- Over temperature shutoff
- Presets for LED spectra
- Fahrenheit or Celsius temperature displays
- 120 or 240 volts
- Six different plug adapters included for use worldwide

controls
512
BALLASTS
256 Per Zone

Never lose your settings during a power outage with our built-in clock and 30 year battery.

Certified

Certified Third Party Laboratory Tests

Supplier's Declaration of Conformity



Manufacturer/Importer:

Name: Revolution Microelectronics
Address: 5300 Powers Ferry Rd NW, Atlanta, GA 30327
Phone/Fax no: 404-884-1663

Declares that the product:

EUT Description: Avici LED Light Fixture
Serial Number: A1800065

Conforms to the following technical standard:

Part 15 of the FCC Rules
Part 18 of the FCC Rules

Identification of Product:

This device complies with 47 CFR Part 15 & Part 18 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The following test reports are subject to this declaration:

Test Report Number: 1812-110EA Issue Date: 2/7/2019

Prepared By:



131 Columbus Inner Belt • New Castle • PA 16101
Ph.: 724-657-9940 • Fax: 724-657-9920
www.keystonecompliance.com

The manufacturer is responsible for this declaration:

Name/Title: Greg Richter

Date: 2/7/2019

Signature:



Integrating Sphere Test Report
CSA Group Report: REVS002-020
Issue Date: 10/26/2018
Test Sample: 01

Optical Measurements

Total Integrated Radiant Flux (W):	472.94	Total Extended PPF (μmol/s, 350-750nm):	2221.0
Radiant Efficiency (W/W):	0.4369	Total Extended PPF Efficacy (μmol/s/W):	2.052

The only horticultural LED fixture certified safe for use around humans and animals.

Engineering Specifications

Input Voltage	120/240/277 volts AC, 50/60 Hz
Input Current	9.04 amperes @ 120 volts 4.6 amperes @ 240 volts 4.15 amperes @ 277 volts
Input Power Plug	NEMA 6-15P (standard, others available)
System Efficiency	88.6% @ 277 volts
Light Source	Osram OLSON LED Array
Reported LM90 (Osram 55C)	> 150,000 hours
Fan MTBF	> 74,000 hours
Luminous Flux	> 2300 uMole/sec dimmable in 255 steps
External Dim	Revolution or Revolution-compatible controller
External Dim Connector	RJ14 telephone interconnect type (6P4C)
Internal Dim	N/A
Output Power	0 - 1150w
Dimming / Spectrum Control	External Controller
Certifications	CSA Certified CE Certified Certified to FCC Part 15B RoHS and RoHS2 Certified
Dimensions	435mm x 528mm x 121.6mm (about 17 x 21 x 5 inches) 15.0 kg (about 32 lbs)

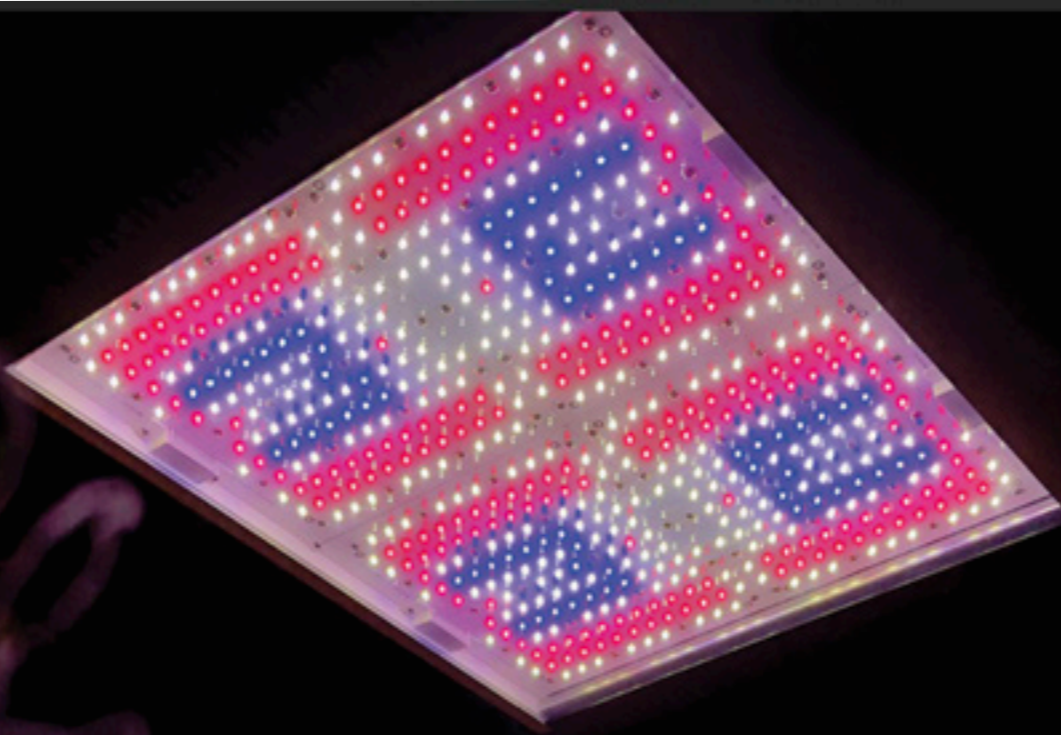


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Programmable Spectra