
HiOPTiX™
FLEXGROW 1000

Grow Light



FLEXTRONICS X

How it started....

HiOptiX Flexgrow 1000 - Industrial Strength - Initially designed as High Bay Light for industrial applications.

**It brings daylight to a
jumbo jet factory.**

**Now we bring that
power into your grow
room!**



How it started...

Growers have been asking for an LED alternative to HID grow lights.

Why not use the best LED High Bay fixture and test it in a growth environment?

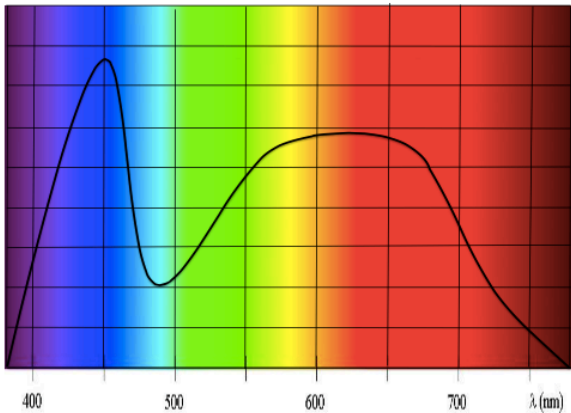
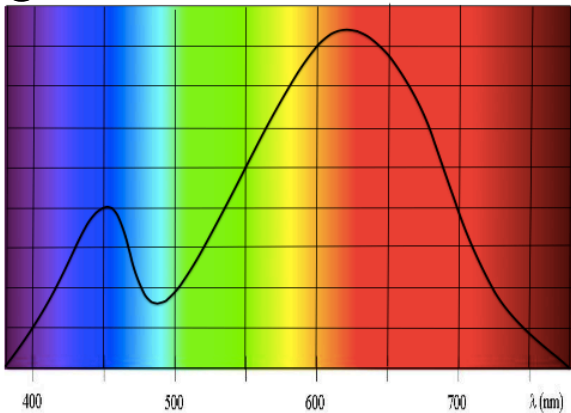
Several months later and after some customization the results are in:

The first LED grow light to match HID.

Providing a spectrum closer to natural daylight and closer to HID.

HiOptiX Flexgrow 1000

This light is different:



Full Spectrum white light:

Spectrum Performance

Available Kelvin Colors:
2700, 3000, 3500, 4000, 5000, 5700

2700 Kelvin

616 Input Watts
9.1 Watts Per Diode

High-intensity
Full-spectrum
LEDs

5000 Kelvin

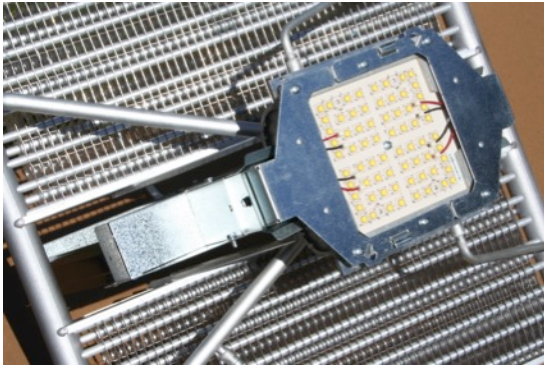
586 Input Watts
8.6 Watts Per Diode

	PAR
6"	9,480MM
12"	3,193MM
18"	1,456MM
24"	929MM
30"	672MM
36"	538MM

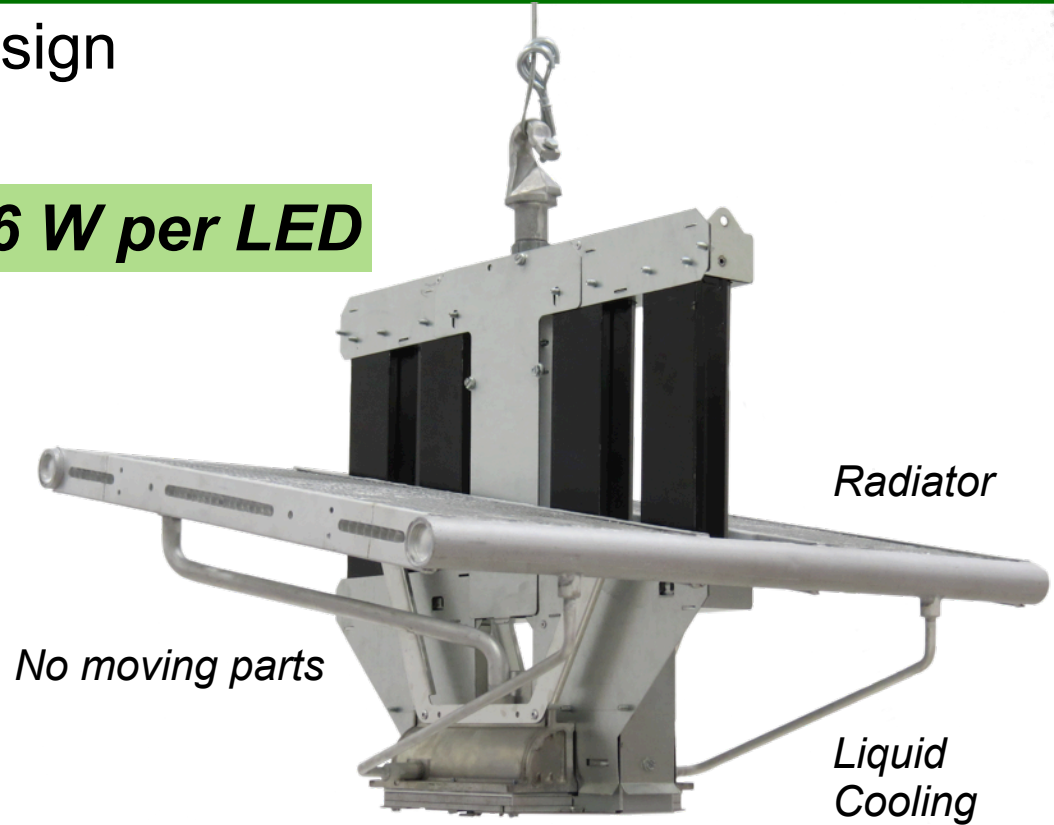


HiOptiX Flexgrow 1000

This light is different: Design



8.6 W per LED



Radiator

No moving parts

*Liquid
Cooling*

HiOptiX Flexgrow 1000

- 586 watt / 62,000 Lumen LED Grow Light
- No moving parts or fans.
- Direct replacement for 1000 watt HID
- Designed and created by a \$25 billion company
- High-intensity full-spectrum diodes provide a light source closer to natural daylight than any other light on the market
- With an 8.6 watts per diode, the HiOptiX is the most powerful LED grow light on the market
- Liquid cooled and rated for 200,000 hours. This eliminates the need for moving parts or fans. Reducing HVAC costs and eliminating the need for air ducting.
- **Bottom line: drop the energy costs of growing by up to 70%**

Grow Test California



Grow Test California



Grow Test CA: Results

- Type: OG Kush, Orphan Clones
- Fixture: Veg & Bloomed Under Flexgrow 1000, 5000K
- THC: 27.96%
- CBD: 0.08%
- CBN: 0%



Hi OptiX OG

MKB

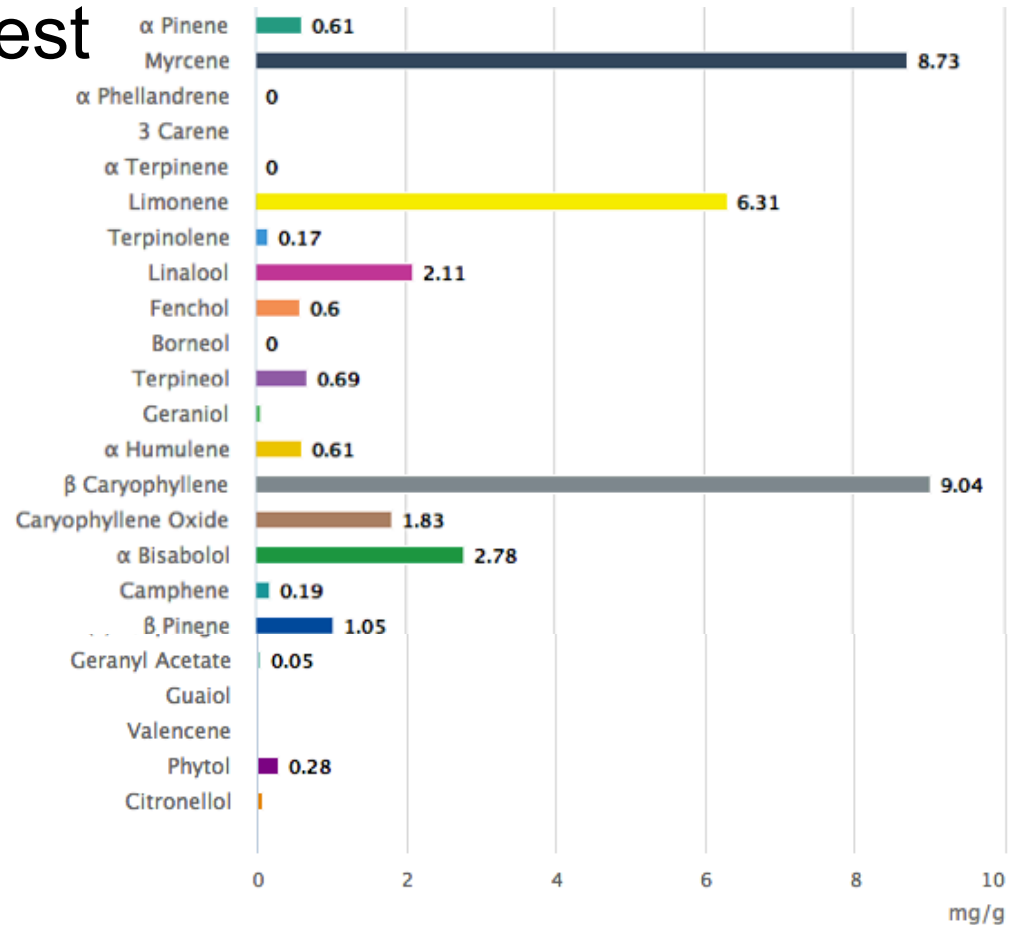
Sample ID: 150714K001

Sample Type: Flower
Total Sample Wt: 1 Gram

Date Tested: 07/18/2015
Expiration Date: 09/16/2015

Grow Test CA: Results

Terpene Test



Total Terpene
Concentration:

35.17 mg/g/3.517%

Grow Test Michigan

Grower's Review:

Tom Wall

Lets Grow Garden Supply

Muskegon, Michigan

July 14, 2015

My testimonial is as follows:

"I recently received an MKB FlexGrow 1000 for testing in a side by side growing experiment against a 1000W H.P.S. fixture. I've been in the horticulture industry for years and have been skeptical of L.E.D. lights in horticulture use for some time, but MKB stood by their product and delivered the results growers have been looking for. This light showed me LED lights are going to change the way we grow. There was no reduction in yield, compared to a 1000W HPS, with better quality and plant structure overall and they only use a third of the electricity!"

HID

HiOptiX



ROI Comparison

	Flexgrow LED	Gavita HID
Power Use [W]	586	1080
Retail Price (MSRP)	\$2576.36	\$599.95
Lamp Price	\$-	\$147.95
Reflector Price	\$-	\$37.50
Electricity Cost [kWh]	\$0.14	\$0.14
Operating Hours / Day	18	18
Light Source Replacement [months]	278	9
Reflector Replacement [months]	-	18
Light BTU per hour	1,998	3,683
Air Conditioner Energy Efficiency Rating	10	10
Air Conditioner Power Draw [W]	200	368
Annual Lamp Electricity Cost	\$539	\$993
Annual Lamp Replacement Cost	\$-	\$197
Annual Reflector Replacement Cost	\$-	\$25
Annual HVAC Electricity Cost	\$184	\$339
Purchase Cost Delta	\$1976.41	
Annual Electricity Savings	\$454	
Annual Lamp Replacement Savings	\$197	
Annual Reflector Replacement Savings	\$25	
Annual HVAC Savings	\$155	
Total Annual Savings	\$832	
Payback Period [years]	2.37	

The only DLC approved grow light: Capture Utility Incentives!

LED High-Bay and Low-Bay Lighting Rebates

Rebate Code	Replacement Fixture Wattage	Recommended Existing Lamp Wattage/Type	Recommended Min. Repl. Fixture Lumens	Rebate/ Unit Measure
LD109	> 500-750 watt	1,000 watt PS-MH	43,400	\$300/fixture

PG&E Incentives



Rebates

On-Bill Financing

Zero-interest financing for business customers

Energy efficiency upgrades are a great way for businesses to lower their energy use and reduce monthly bills. PG&E can help you make facility improvements without high interest costs.

Program benefits for business customers:

- Financing from \$5,000 to \$100,000 of the project cost, after incentives
- Loan terms up to five years
- Zero interest
- No minimum credit requirements
- Loan repayment is based on projected energy savings