

Case Study - Infinity Linear LED Light

BACKGROUND

High Level Health, established in 2008, is a leading-edge medical cannabis producer based in Denver, Colorado. The company's grow team develops new genetics to provide customers with premium quality cannabis. As part of a facility expansion, High Level Health installed Thrive Agritech's Infinity LED lights to optimize plant growth and minimize operating expenses.

PROJECT GOALS

- 1) **Optimize plant growth in veg cycle**
Better quality of light for vegetative production.
- 2) **Reduce amperage draw for lighting**
Meet the electrical needs of the grow facility.
- 3) **Increase profit**
Increase profit while minimizing upfront expense.

Results

INSTALLATION

High Level Health installed Thrive Agritech's Infinity LED lights in its new veg grow room. The simple installation saved the company hundreds of dollars in labor costs.

ENERGY SAVINGS & UTILITY REBATE

82,557 kWh of energy will be saved each year. Colorado utility, Xcel Energy, delivered a rebate check of \$3,704 to High Level Health, which reduced the cost of the project by 24%. Thrive Agritech filed the rebate paperwork on behalf of High Level Health to help facilitate the rebate.

AMPERAGE & HEAT REDUCTION

High Level Health reached the amperage limit on their electrical service. By switching to LED, they were able to add more lighting and grow more plants. Also, due to lower heat from the LED lights, they moved the lights closer to the plants and added even more plants.

OPERATING PROFIT

The Infinity LED lights will reduce High Level Health's annual energy bill by \$8,844. Over the 5-year warranty period of the LED lights, High Level Health will generate an incremental operating profit of \$37,633.



"These LED lights are great. Great for the plants, great for the environment, and great for our bottom line."

- Chaz Kobayashi
Director of Operations, High Level Health

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FINANCIAL SUMMARY

Cost of LED Lights	\$15,451
Rebate from Xcel Energy	\$3,704
Energy Cost Savings, 5 years	\$44,220
Relamping Savings, 5 years	\$5,160
Total Project Profit, 5 Years	\$37,633

Note: the calculated profit does not include the incremental revenue and profit from adding more plants.



PERFORMANCE SUMMARY

Energy Reduction / Year	82,557 kWh
Overall Heat Reduction	45%

OPTIMIZED SPECTRUM

With a color spectrum optimized specifically for vegetative growth, plants grown under the Infinity LED lights experience improved rooting times, growth rates and plant morphology.

"The team at Thrive Agritech was an enormous help in taking us through the rebate process."

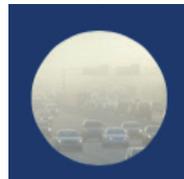
- Jim Rice
Owner, High Level Health

ENVIRONMENTAL IMPACT SUMMARY

132,000 lbs. of CO2 reduced per year



Equivalent of removing 11 cars per year



Equivalent of adding 16 acres of trees per year

