

INNOVATOR SPOTLIGHT

Franklin BioScience | Nevada, USA



INSIDE FRANKLIN BIOSCIENCE: Cultivating a Consistent, Reliable Experience

By focusing their mission on continual consistency, Franklin BioScience is on the forefront of cannabis cultivation, extraction and production by controlling their manufacturing process from start to finish. They have been able to achieve their goal of delivering consistent products to the market by investing in research, technology and focusing on operations efficiencies to increase crop yields and potency while reducing operating costs.

“Being in the infused-products business, the success of our cultivation efforts really comes down to milligrams of active ingredient such as THC or CBD. Fluence has enabled us to achieve higher yields and potency, driving up these top line metrics, while simultaneously driving down the costs associated with producing them.”

CYRUS FARUDI
PRESIDENT



To learn more about how Franklin Bioscience and their use of Fluence technology visit www.fluence.science/franklin-bioscience

FRANKLIN BIOSCIENCE TRANSITIONS TO LED

Like many cannabis cultivators, historically Franklin BioScience has had success growing under high pressure sodium (HPS) lamps. However, after being awarded a cultivation license in Las Vegas, Nevada, Franklin BioScience started to explore other cultivation practices and lighting technologies to address cultivation challenges unique to Las Vegas. Prime real estate in Las Vegas is limited and expensive, and with unbearably hot temperatures, it is costly (and sometimes impossible) to maintain optimal climate control for indoor growing. Franklin launched a research trial in its Denver facility to evaluate several different vendors in the LED space, Fluence and two others. "We ran a controlled study across multiple harvests comparing HPS with LED lights side-by-side, and Fluence outperformed the others significantly," said Farudi.

FRANKLIN BIOSCIENCE FLUENCE-POWERED VERTICAL FARM

After the trial, Franklin BioScience worked with the Fluence team to design their Las Vegas facility. The vision was to transform both the propagation/vegetative and flower space into a state-of-the-art vertical farm, building upon the method proven successful in their Denver research lab. Their new vertical farm deploys Fluence SPYDR Series on the bottom layer and Fluence VYPR Series on the top layer of rolling-rack systems from Greenhaus Industries in flower, and Fluence SPYDR Series and Fluence RAZR Series in vegetative.



85 GRAMS PER
SQUARE FOOT



2.1 GRAMS
PER WATT



INCREASED
POTENCY

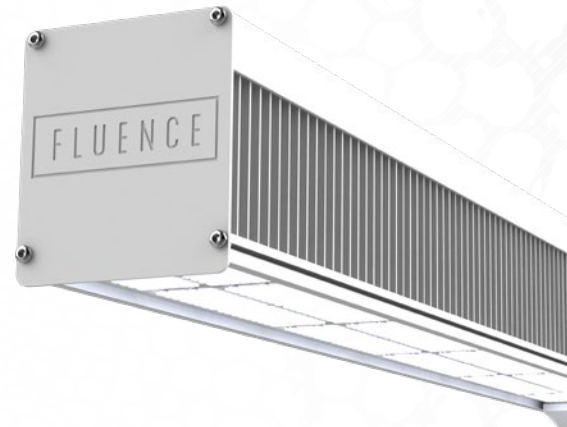


DECREASED
HVAC COSTS

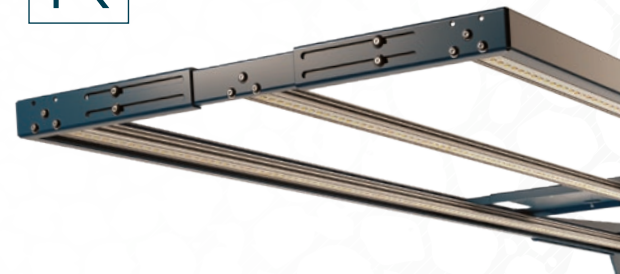
S SPYDR



V VYPR



R RAZR



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 **FLUENCE**

