

Using Heliospectra LED Grow Lights Cuts HVAC Capital Expenditure in Half



THE GROVE

Customer: The Grove
Location: Las Vegas, NV
Setup: 40,000 SF / Vertical Grow Operation
Solution: 600+ Heliospectra LX601C programmable LED Grow Lights

When The Grove, a cannabis grow operation in Nevada, began exploring building out their facility with Heliospectra LED lighting, the return on their investment became quite clear when they calculated the HVAC savings. The Grove had studied

all of the available lamps in the marketplace from a yield and quality of flower standpoint and the Heliospectra LX601C lamps stood heads above the competition. The HVAC savings more than sealed the deal.



"By using Heliospectra LED grow lights we cut the HVAC demanded in half, saving us over 1.4mil USD in upfront expenses. The ROI with LED lamps is obvious."

*Kevin Biernacki,
Head Grower
– The Grove*



The reduction in capital expenditure alone justifies the price tag for Heliospectra's LED grow lights, not to mention the dramatic monthly savings. According to the original plans for HPS lighting in the facility, the operation called for 90 tons of AC per grow room (they currently operate 5 of the 10 rooms). The general

contractor, Aaron Tippetts of Tippetts Mechanical, did his own heat testing of HPS vs LED. His conclusions led the operation down a much more efficient path with the installation of Heliospectra lamps. The total demanded for each room was cut in half, down to 50 tons / room.

600+

LED Grow lights installed

40.000

Square feet of growing area

90 > 50

Tons of HVAC used - HPS vs. LED



45% decrease in HVAC

After all of the calculations were done, including the HVAC CapEx and OpEx, the ROI on Heliospectra lamps would take place within a year of operation. This savings guarantees a much lower cost of goods produced for The Grove, an upside that the operation will enjoy as downward product pricing pressure begins to grow in the market. Other operations that have chosen the less efficient HPS route will be forced to perform expensive retrofits if they plan to compete.

"I wish all of my projects went as well as The Grove. Grow operations really need to be looking at alternatives to HPS lamps."

*Aaron Tippetts,
Tippetts Mechanical*

Heliospectra LX601C

The market's premier product for indoor (sole-source) lighting applications.

- Fully adjustable LED grow light
- Far Red option for speeding up flowering
- Ability to upload and create Light Recipes
- Cannabis specific spectrum
- No IR heating > lower HVAC



For more information on our LED grow lights, contact us today!

