



Case Study



Boston Scientific Warehouse - Quincy, MA

LSI did an installation into a large warehouse/distribution center totaling over 600,000 square feet. With the LSI Junction Box (VJB) the customer was able to achieve a much more cost effective control solution than alternative choices. Each VJB managed 6 fixtures, each fixture housing 4 bulbs. Management included on/off/dimming capability. The customer needed 24 different zones of control with ability to add more, change their respective schedules and read the energy consumption on an individual group basis. Adoption of the Virticus solution enabled them to attain federal and state tax incentives, pursue LEED certification and energy star compliance. All the fixtures are remotely controllable via any web browser and secure login credentials.

“Easiest install of my life” Installer, E. G. Sawyer Co. / Weymouth, MA

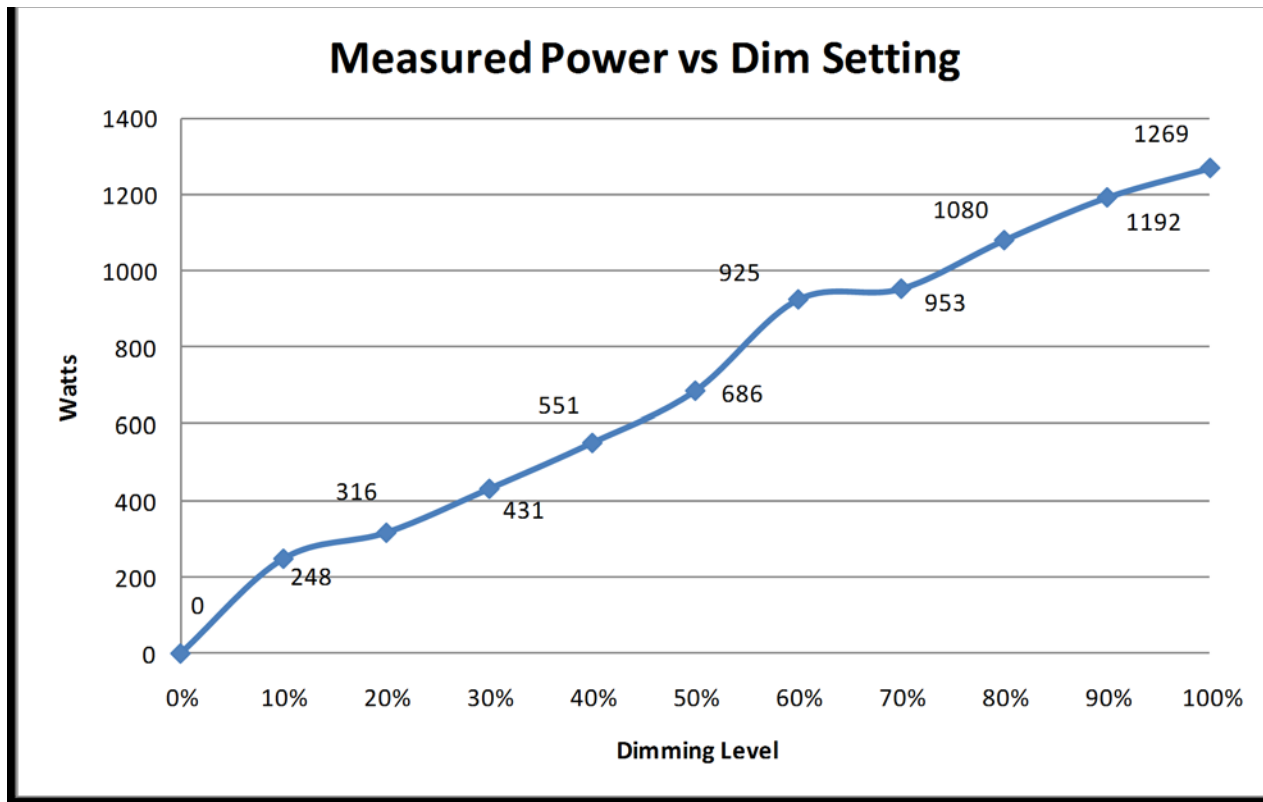
INSTALLATION SUMMARY

Number of Fixtures:	1542
Types of Fixtures:	T5H0
Number of controllers:	254
Total Area:	600,000 ft ²
Energy Consumption:	
No Controls:	2917MWh/yr
With Virticus:	1490MWh/yr
Number of Zones:	24
Cost for controls:	< \$0.25/ft ²
Payback Period:	< 10 months
Annual Savings:	> \$260K/yr



The Junction Box (VJB) controls 3 fixtures off one side and 3 off the other. The VJB was designed specifically to support an ease of installation and required no “wiring” of pieces - “plug in and go”.

With the ability to schedule the lights, respond to motion, override switch, and fire alarm sensors, the LSI Controls system exceeded the specified requirements and surpassed the customer requirements.



Control Summary	
Total (KWh/yr)	1,489,787
Total \$/yr	\$260,713
Savings Analysis	
Electricity Cost (No Virticus)	\$510,599
Electricity Cost (with Virticus)	\$249,887
Savings (\$/yr)	\$260,713
Savings (\$/day)	\$714
Savings %	51%