



Project Summary

Planet Press is a respected and established print manufacturer with a conscientious environmental policy. The company makes a concerted effort to monitor and implement the most energy-efficient technologies available. When Planet Press embarked on a lighting upgrade in 2013, the company sought high-efficiency lighting products in keeping with its environmental values.

End User: Design and Print Manufacturer

Application: Reception Area, Production Area, Board Room, Printing Room, Binding Room, Loading Dock

Products:

- 8W A55 Globe LED Household Lamp
- 15W 4-ft. LED Tube Light

Benefits:

- Annual energy savings: **\$30,551 USD**
- Significant reduction in annual energy usage
- Reduced maintenance
- Improved look and feel
- Increased lux levels in manufacturing and production areas

Project Overview



Achieving adequate lighting levels and generating energy savings were very important to Planet Press. Under fluorescent lighting, many of the work areas surrounding machines were under lit. There was inconsistent lighting across the site. The new lighting

package needed to maintain or increase lux levels, provide a consistent look and feel, and support the client's environmental initiatives.



Project Overview (cont')

The comprehensive lighting retrofit resulted in the replacement of 36-watt fluorescent tube lights, 8-watt CFLs, and 400-watt metal halide lamps with RVLT LED products. **Just 460 RVLT 15-watt LED tube lights managed to do the work of 743 fluorescent tube lights, while requiring less than half as much energy.**

Existing Fixtures	Replacement Fixtures
36-watt Fluorescent Tube Lights 400-watt Metal Halide Lamps	15-watt 4-ft. LED Tube Lights
8-watt CFLs	8-watt LED Household Lamp A55 globe

Cost Analysis

Annual Energy Savings:
\$30,551 US dollars

Estimated ROI:
1.33 years without rebate
10.1 months with rebate

RVLT's highly efficient LED lighting products were a great fit for Planet Press. Planet Press achieved tremendous energy savings and simultaneously improved the look and feel of the facility. The RVLT products proved so much brighter than the fluorescent lamps that Planet Press was able to significantly delamp. Even after delamping, lux levels held steady and even improved in manufacturing and production areas.

The efficiency of the RVLT tube lamps should save Planet Press \$27,398.09 per year in energy costs, and \$3,152.66 annually in reduced maintenance and HVAC load. The newly-installed LED products should pay for themselves in energy and maintenance savings in just over 16 months. With a utility rebate factored in, the retrofit will pay for itself in just over 10 months.



Visit www.rvlti.com for more information.

Numbers are calculated at the time of installation and may not reflect current upgrades to lighting fixture components.