



## Project Summary

West Coast Customs is a luxury automotive restyling center located in Burbank, Calif., and leads the industry in custom auto styling solutions. West Coast Customs not only builds cars, but offers a full line of die-cast cars, apparel and other merchandise and also hosts a popular TV show. The company needed to reduce its energy and natural gas usage and chose Revolution Lighting Technologies (RVLT) for the upgrade of its lighting system. Products installed included LED thin panels, tube lights, linear high bays, and other LED products.

**End User:** Custom Auto Design Center

**Application:** Automobile Showroom

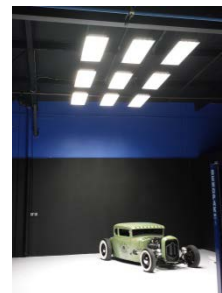
- Products:**
- 5 - 60W LED Vapor-Tight
  - 150 - 15W 4ft LED Tube
  - 64 - 200W Linear High Bays
  - 329 - 2x4 40W Thin Panel
  - 10 - 150W LED shoeboxes
  - 6 – 60W Wall Washers
  - 30 – 4” 11W E27 Downlights

- Benefits:**
- 64% reduction in energy use over existing lighting
  - Over \$22,000 a year in energy savings
  - 194,808 lbs. of greenhouse gases reduced annually
  - Equivalent benefit of planting 17 acres of trees
  - Maximized long-term energy and maintenance savings

## Project Overview



WCC paves the way in the industry with the “cleanest, most innovative and design-conscious solutions for their business,” according to Ken Ames, Divisional President, RVLT. RVLT supplied the entire facility with energy-efficient LED lighting.



“This retrofit design redefines what automobile showroom lighting can be,” he added.



## Project Overview (con't)

“Our new facility is now truly energy efficient and environmentally friendly. After in-depth review of energy efficiency options, the benefits of LED lighting were obvious. From light quality, to energy usage and product life-span, Revolution Lighting’s LED solutions were superior to all other options. WCC strives to be a leader in all categories and sets the bar for our industry. We could not be happier to partner with RVLT, a company who shares our vision and passion for excellence,” said Ryan Friedlinghaus, CEO of West Coast Customs.



## Cost Analysis

### Annual LED Life-Cycle Cost Analysis

Existing Fixture	Number	Energy Use (kWh)	Cost/Unit	Total Cost
4' 32W Fluorescent Tube	150	21,024	\$0.12	\$ 2,522.88
400W MH	64	127,826	\$0.12	\$ 15,339.12
2x4 Fluorescent Fixtures	329	184,451	\$0.12	\$ 22,134.12
250W MH Shoeboxes	10	12,746	\$0.12	\$ 1,592.52
175W MH Wall Washers	6	5,493	\$0.12	\$ 659.16
<b>Total Costs for Period</b>				<b>\$ 42,247.80</b>

RVLT Fixture	Number	Energy Use (kWh)	Cost/Unit	Total Cost
15W 4ft LED Tube	150	9,855	\$0.12	\$ 1,182.60
200W Linear High Bays	64	56,064	\$0.12	\$ 6,727.68
2x4 40W Thin Panel	329	57,641	\$0.12	\$ 6,916.92
150W LED shoeboxes	10	6,570	\$0.12	\$ 788.4
60W Wall Washers	6	1,577	\$0.12	\$ 189.24
<b>Total Costs for Period</b>				<b>\$ 15,804.84</b>

### Total Energy Savings

**LED Fixtures** **\$ 26,442.96**

West Coast Customs reduced its energy usage and costs through not only the LED retrofit, which included the paint booth lighting, but also through installing a rooftop solar system and updated HVAC systems. The result of the improvements led to a 50% decrease in WCC’s energy usage.

Visit [www.rvlti.com](http://www.rvlti.com) for more information.