



Auto Manufacturer Increases Efficiency and Saves Money with On Time Lighting's LEDs

▶ GOAL: REDUCE LIGHT ENERGY USAGE BY 50% IN THREE MONTHS

In the facilities of a major automobile manufacturer, the complete overhaul of outdated lighting systems made way for On Time Lighting's revolutionary LED solution. The company began the search for a turn-key, energy-efficient lighting solution that they could one day expand to each of their facilities around the world.

The automobile manufacturer retrofitted 1,200 fixtures to completely re-lamp their West Coast repairs facility, all in line with company-wide goals to lead in sustainability and renewable energy initiatives. Their aggressive goal to reduce light energy usage by 50 percent in 3 months led the automobile manufacturer straight to On Time Lighting. Once the automobile manufacturer began updating their US repairs facilities with full LED systems, the financial benefit of the LED solutions was outdone only by the sudden sustainability improvement. "It worked so well the power company showed up twice because they thought their meter was broken," said Kevin.

▶ RESULTS: COST SAVINGS

Daniel says that upon completion of the installation phase, efficiency at the plant improved on Day One by as much as 20 percent. With the On Time Lighting solution up and running, the repairs facility is already on target to exceed expectations.

On Time Lighting replaced a lighting solution that consisted of efficient T8 fluorescent fixtures with an in-house designed and assembled DLC listed LED fixture. The newly installed LED fixtures provided greater than 50% costs savings and delivered more than 2x the average foot-candle reading while using fewer fixtures.

Table 1	Fixture	Count	Wattage	Average FC
	T8 Fluorescent Fixture (Original)	1233	104	35
	OC425W (New LED)	1155	35.6	85

This impressive and immediate measurable success stems from the energy efficiency in On Time Lighting's products. The LED fixtures On Time Lighting installed at the automotive repairs facility is specifically designed for a large-scale manufacturing environment. The direct reduction in the automobile manufacturer's electrical load is what led ultimately to monumental cost savings. For this major global presence in the automotive industry, cutting costs while leading in sustainability initiatives was crucial. And On Time Lighting led the project from start to finish: "That's what's attractive about you guys: you do it all."

▶ HOW THEY DID IT: ON TIME LIGHTING'S TURNKEY SOLUTION

On Time Lighting's turn-key solution allows them to customize each installation to suit every customer's unique path of least resistance. They worked with the on-site team at the automotive repairs facility in order to retrofit and redesign their existing lighting grid. From a full facilities audit, fixture design and certification, utility rebate approval, local permitting consent, and ending in successful installation, On Time Lighting's fully integrated solution made it easy to match the automobile manufacturer's energy savings goals with LED lighting technology. This integrated single source vendor approach allowed the flexibility for the automobile manufacturer to maintain an uninterrupted manufacturing schedule.

On Time Lighting used a fixture called the OC425W throughout the automotive facility installation. The major OEM components On Time Lighting uses throughout their design process has allowed them to create LED fixtures that are optimized for peak efficiency. The OC425W itself beats some of the industry's largest players in assessment of cost benefit and environmental efficiency.

Table 2

Fixture	Company	Efficacy (lm/W)
OC425W	On Time Lighting	134.3
CR-LE-40LHE-30K	Cree	131.6
IS-18-0-A2-M-V-SLVR	GE	122.3
LCS4-35LW-EU	Hubbell	117.1
4VT2-LD4-4-FR50-UNV-L835-CD1-WL-U	Metalux (Eaton)	114.6

*DLC Listed Linear Ambient 11/17/2015

With the On Time Lighting solution, the team was able to expand the area that each individual light covers from 10 square feet to 16 or even 18 square feet. "We used fewer fixtures and we covered more area," said Daniel. Meanwhile, the quality of light from the LED fixtures feels like daylight to the repairs team, giving the facility a much-needed aesthetic boost into a more modern, 21st-century style.

In this particular facility, employees spend hours searching for defects that, in the past, had often been overlooked due to poor visibility. Once the entire facility had been updated with LEDs, the repairs team was able to identify 15 to 20 percent more defects at a faster pace than ever before.

The automobile manufacturer decided to self-fund the whole project in their West Coast facility, but On Time Lighting also offers attractive financing plans and leasing lighting fixtures as a service. As the automobile manufacturer looks to national and global expansion, On Time Lighting's financing option may become an important part of their plans to continue leading in environmentally friendly and cost effective lighting solutions.

▶ HOW TO GET STARTED WITH ON TIME LIGHTING

On Time Lighting's completely integrated solution made it easy for this established automobile manufacturer to make the leap to the future of LED technology. From technological LED innovation to installation systems that work for the client, OTL is making it easy for the automobile company to retrofit facilities large and small around the world. Here's how you can get started with On Time Lighting:

Please schedule an appointment to learn more about how On Time Lighting can assist you with your lighting project fulfillment and design.

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