

# Distribution Center

Case Study



LEADING THE FUTURE OF  
**LIGHTING + TECHNOLOGY**

# Distribution Center Case Study

## Investment Summary

Annual Energy Savings  
**\$115,000**

Annual Maintenance Savings  
**\$15,529**

Payback  
**2.2 years**

A global consumer goods company and its worldwide logistics partner sought to enhance sustainability, maximize energy savings and improve lighting for their Rialto, CA distribution center.

The plan included upgrading lighting in the center's four warehouses and office area. A mix of LED and older lighting technologies delivered less than desirable light levels at 12 foot candles and under, resulting in safety concerns and employee complaints.

Working with local leadership, EMC conducted an energy audit and proposed a lighting design that increased lighting levels to IES standard light-levels creating a safer work environment by replacing the existing warehouse high bays with energy efficient LEDs. The installation was done during second shift at off peak times so as not to disrupt the round the clock operations.

Employees appreciate the bright new lighting that now makes work easier in both the office and warehouse areas. The cooler but brighter LED lighting also helped deliver an annual energy savings of more than \$115,000 for the decrease in lighting wattage and an estimated annual maintenance savings of more than \$15,000. A projected reduction of 1.9 million pounds of CO<sub>2</sub> is also expected to help the center achieve operating and sustainability goals.



Before



After



Before



After

## Energy Savings



894,047  
pounds of CO<sub>2</sub>



92,023  
gallons of gasoline



894,047  
pounds of coal

# Realize the Full Value

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## Industrial Settings

Take a total approach to LED lighting + controls + IoT for all your industrial facilities.

Energy Management Collaborative (EMC) has the project management expertise, quality and speed that you need to maximize energy and bottom-line savings for your business.

Since 2003 we've helped multinational businesses save billions of kilowatt-hours of energy and maximize their investment in LED lighting and controls to:

- Optimize productivity and promote safe working conditions
- Insure consistent implementations for multiple locations
- Reduce dependence on routine service calls
- Maximize the full benefits of product warranties
- Deliver superior utility savings and incentive values
- Integrate with your EMS



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