

PROJECT REVIEW:

Courier Corporation of Hawaii succeeds in improving energy efficiency and light quality in busy warehouse



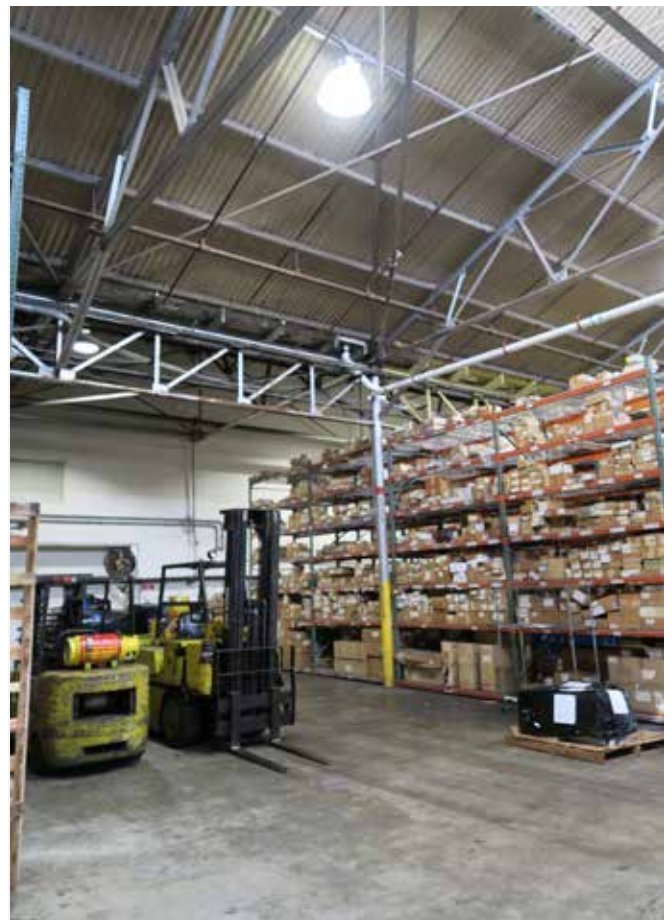
Foreverlamp provided an easy to install solution that helped this warehouse reduce energy costs, improve light output, and reduce overall maintenance costs for this growing business.

THE SITUATION:

Courier Corporation of Hawaii (CCH) is Hawaii's #1 transportation and delivery service provider. With the growing success of the company, a relocation of the warehouse business was required. Nick Smallwood, President and CEO of CCH found the right facility and location for his business to continue to meet the needs of its customers and to provide for continued growth.

The new 45,000 sq. ft. facility was previously illuminated with 400W Metal Halide lamps. Mr.Smallwood wanted to upgrade the lighting to improve both the energy efficiency and light quality, as well as reduce maintenance for their new facility.

City	Honolulu HI.
Country	USA
Total # of Lamps	50
Type	400W metal Halide
Category	Warehouse



THE SOLUTION:

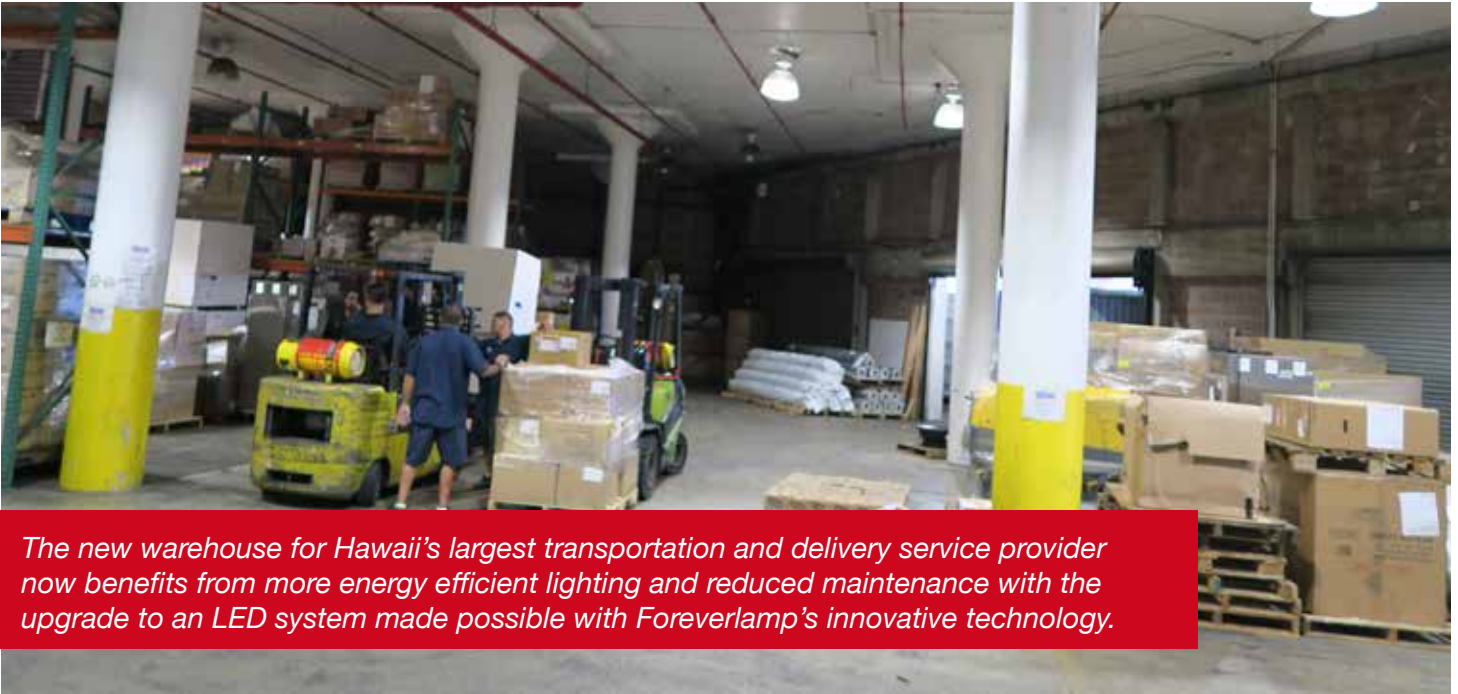
Foreverlamp's plug and play LED lamp was selected by CCH to accomplish his goals. The Foreverlamp 200W LED replacement lamp with 24,000 lumens delivered CCH with an even brighter light output and light quality than the existing metal halide lamps. CCH also achieved their objective of increasing energy efficiency with a 50% reduction in energy costs over MH.

By upgrading their MH lamps to an LED system, with the simple change of a light bulb, CCH experienced a reduction in maintenance costs as the average lamp life of the new Foreverlamp LED lamp exceeds 50,000 hours.

Output	24,000 with uplight
CRI	83

THE RESULTS:

Delivered >83 CRI - increase of 30% over MH
Instant On / Off vs Start Up Delay of MH
Average Energy Savings: 50% increase



The new warehouse for Hawaii's largest transportation and delivery service provider now benefits from more energy efficient lighting and reduced maintenance with the upgrade to an LED system made possible with Foreverlamp's innovative technology.

ENERGY SAVINGS:

- 50 fixtures
- 200W savings per fixture
- 50% increase over MH
- Avg Payback: < than 10 months @ \$0.18/Kwh
- Rebate Eligible: 50% rebate received

Product Used



200W LED Retrofit Lamp replaces a 400W MH lamp

GS-400U-VHO-840

Professional high output LED replacement

Foreverlamp 200W LED Replacement Lamp

- Industry's only 24,000 lumen plug-n-play Metal Halide replacement lamp
- Lamp Life: 60,000 hours
- 200 watts
- 5000K, +83 CRI (4000K available)
- Instant On / Off
- Dimmable with LED driver
- Saves 200 Watts Per Socket
- Works with existing magnetic probe and pulse start ballast
- Replaces traditional Metal Halide Lamps for 400W - 175W
- Patented cooling and innovative design
- UL Recognized. LM 79 & LM 80 Reports available
- 5-year warranty