

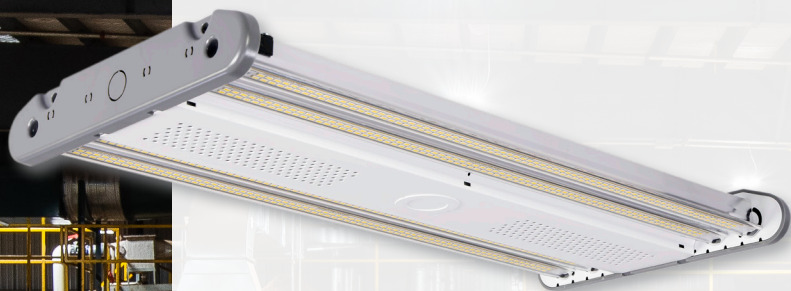
# Weyerhaeuser



## CASE STUDY

Location: **Lebanon, OR**

Application: **Manufacturing Facility**



### Essentials Series 4.0 (ES4)

The ES4 delivers superior performance, quality and versatility in low bay and high bay applications. Designed with an even higher efficacy and a best-in-class thermal management, the Essentials Series 4.0 provides the highest reliability and best lumen maintenance in the industry while providing the lowest TCO.

### RESULTS

Weyerhaeuser replaced metal halides with Essentials Series 4.0 High Bays. The upgrade allowed Weyerhaeuser to meet their light level goals, while also reducing their energy consumption and costs.

**\$432,067**

ANNUAL SAVINGS

**2.4**

YEAR PAYBACK

**3,057,499**

ANNUAL kWh SAVINGS



## OVERVIEW

Weyerhaeuser has industrial facilities across the country, many with outdated HID and fluorescent lighting. The company has internal light level requirements that are recommended for every application and work environment.

## CHALLENGE

With every site being unique, it proved difficult to hit light level requirements with fixtures that were durable and long lasting. Weyerhaeuser wanted to improve production and safety conditions, lower operational costs and create a better work environment.

## SOLUTION

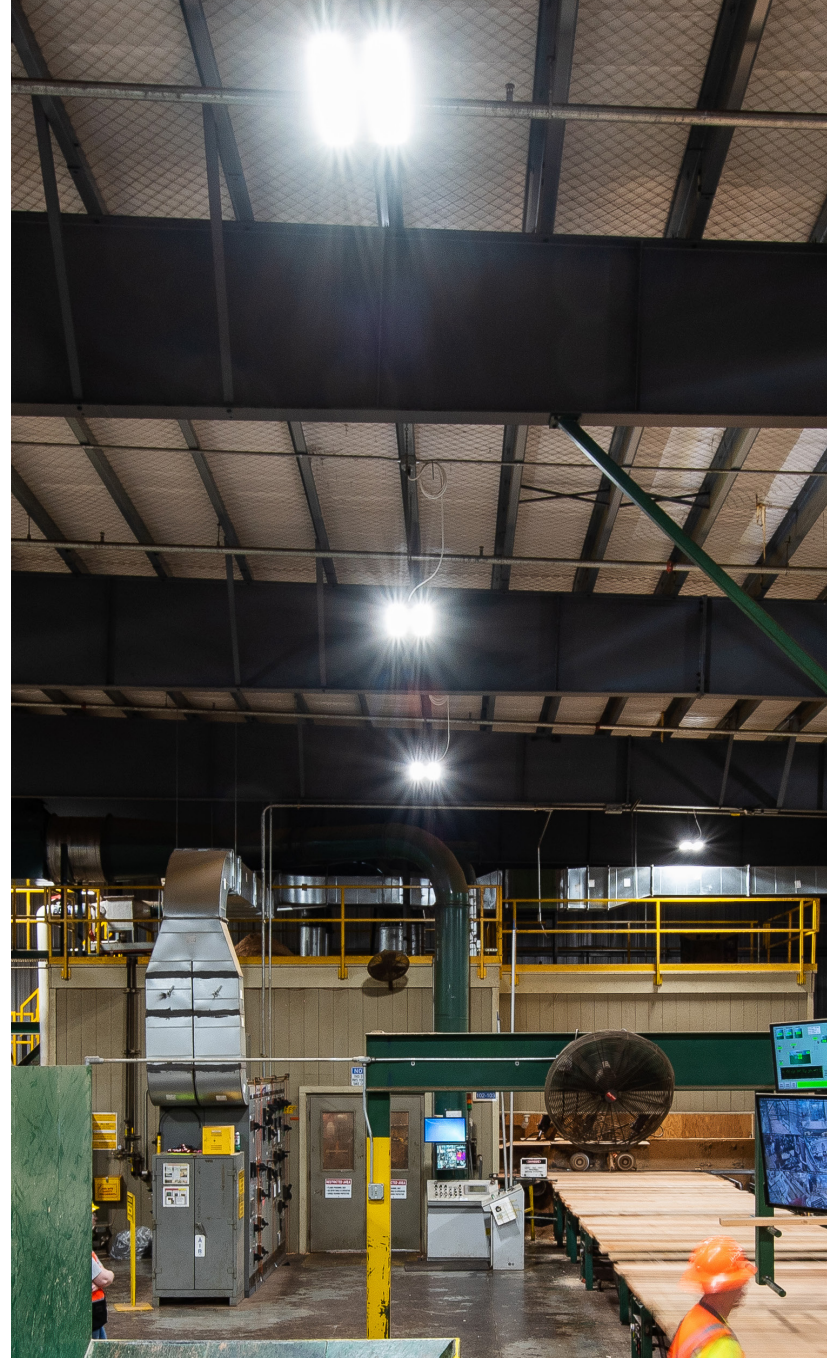
PEC presented a full-site, turn-key lighting project designed using photometrics and 3D renderings for each specific facility. PEC handled all aspects of this lighting project. Starting with a comprehensive audit PEC's solution utilized the most appropriate fixtures for each environment.

PEC secured available incentives to reduce upfront costs while their project management team implemented and managed installation providing a true end-to-end solution.

## RESULTS

PEC's design included Essentials Series 4.0 LED High Bays replacing outdated metal halide fixtures which, in conjunction with PEC's system design, enabled Weyerhaeuser to meet their light level and energy goals.

Securing a 2.4-year payback, the LED lighting project yielded an annual savings of \$432,067, saved 3,057,499 KWh and was granted \$655,686 in incentives.



“

A one size fits all approach did not work for Weyerhaeuser. From audit to design to install, each site was unique and required different fixtures, controls and solutions to hit light level requirements and maintain durability. We were able to provide them annual energy savings, maintenance savings and local incentives that provided a quick return on investment.”





## Linmore LED Labs, Inc.

2360 S. Orange Ave, Bldg. 1, Fresno, CA 93725

559.485.6010 | [info@linmoreled.com](mailto:info@linmoreled.com) | [LinmoreLED.com](http://LinmoreLED.com)



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ULTRA PERFORMANCE LIGHTING

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