



CASE STUDY KOOLBAY® LED Freezer Luminaire

COMPANY: National Frozen Foods

LOCATION: Albany, Oregon

PRODUCT: FB KOOLBAY® LED Freezer luminaire

LIGHTING AGENT: Dave O'Brien – Malcar Northwest



How long has National Frozen Foods been in this location?

We have been in this location for 63 years under multiple names. Visit National Frozen Foods website for more information: <http://www.nffc.com/node/52>

What prompted you to make this lighting change?

As we continue to upgrade our facility we are looking for the most energy efficient means to being green as we can. The sales manager from North Coast Electric asked if we wanted to try one of these fixtures in our freezer room for a few weeks. This fixture performed excellent at zero degrees Fahrenheit (-18 C°).

How long were the old fixtures in place?

Since 1988

What was the biggest problem with the old fixtures?

Energy consumption was the first consideration; the new fixture also has an enclosed envelope where the old fixtures in this room had exposed lamps.

What do you like best about the new LED KOOLBAYS?

The ease of installation was a big factor in using this fixture. Fluorescent fixtures take a little more time to install and require more maintenance.

What is the cost of electricity for this facility?

From the Energy Trust of Oregon evaluation for this project, the cost will save 31,873 kwh per year or \$1,613 dollars per year for this room.

What are the hours of operation per year of the new light fixtures?

8541 hours per year. These rooms are used constantly as they are being staged for restock as finished product is shipped to our vendors.

Calculate your potential savings today by visiting:

www.hubbellindustrial.com/content/resources/koolbay/index.php
Select the "Energy Savings" tab and calculate energy savings per year, thermal load savings, carbon reduction and total energy savings payback per year.

THE RESULTS

Notes: All the before and after views are slightly different because of the bulk containers being in different places. The 'after photos' have zero photoshop manipulation, no levels, brightness, or color correction. From my view your company makes a great product! – Lynn Howlett, Photographer

BEFORE



AFTER

