

SCREW-IN LED CASE STUDY PORTLAND DRY GOODS

Many of Maine's showrooms can achieve significant lighting savings by switching to LEDs. Portland Dry Goods replaced 90 PAR20 bulbs and 10 MR16 window display lights and inspired other Old Port retailers to make similar upgrades.

ENERGY SAVINGS

Before upgrading to LED bulbs, this downtown Portland store relied on 90 PAR20 halogen bulbs, with ten MR16 halogens in its window display. LED bulbs discounted by Efficiency Maine improved lighting quality while **dropping the wattage of most bulbs from 50W to 8W**. This single change reduced electricity use by **85 percent**.

"It's been great," says Ryan Hall of Portland Dry Goods: "good for the environment and for cash flow." The bulb upgrade saved on monthly electricity bills—due to reduced energy use for both lighting and air conditioning (because LED lights generate less heat than halogens). Lighting savings are expected to be over \$1,400 per year.

REDUCED BULB REPLACEMENT LABOR AND MATERIALS

Thanks to the long life of LED bulbs, Portland Dry Goods can expect to avoid the inconvenience and cost of replacing **2,400 bulbs over the next 9 years**.

Word of the significant electricity savings spread through the Old Port following the installation, and several other retailers upgraded to LED bulbs.



Customer
Portland Dry Goods

Location
Portland, ME

Application
Retail Lighting

Screw-in LEDs
90 PAR20s and 10 MR16s

Electricity Savings*
\$1,476/Year

Bulb Replacements Avoided*
2,400 Over 9 Years

Other Benefits
Improved Light Quality

* Estimated