



PROJECT PROFILE: HOME DEPOT

Lighting Retrofit Services Inc.

www.lrs-lighting.com LIGHTING THE WAY TO A GREENER TOMORROW

Lighting projects present value to the bottom line based on energy savings however other intrinsic values such as; increased sales, visual comfort and better productivity can be factored in. If these non energy benefits are measured and recognized by a Management team working together the benefit of investing in a lighting design can change the entire appearance and success of the retail experience.

THE CUSTOMER:

Home Depot / Home Depot Energy Group

THE LOCATION: 1700 stores

THE OBJECTIVE:

*Improve the lighting design at the Home Depot stores to better illuminate product, while also investing in energy efficiency projects with an aggressive ROI.

*To identify regional lighting design and direct installation companies to develop a plan to apply energy efficient fixtures in the various retail areas of the Home Depot stores.

THE PROCESS: While working with local utility companies the Director of Energy Planning was directed to LRS as the design and Installation Company that would best suit his needs.

EXISTING TECHNOLOGY: 400w Metal Halide mounted at the ceiling height with 2 lamps 8' T12 fixtures mounted in continual rows as accent lighting dropped from the ceiling on 12' chains for better product illumination.

DESIGN STRATEGY AND CONSIDERATIONS:

AISLES: The design concept was a basic one for one replacement in the stores aisles. This presented challenges since the 8' linear footprint needed to be installed in a way that it would not be hit by forklifts when loading the racks and would have to stay below the ceiling supports to avoid shadowing.

SPECIALITY AREAS: The mounting needed to be considered so that we still illuminated the racks around the area but also provide illumination of the displayed product.

CHECKOUT AREAS: Home Depot sought to dramatically increase the light levels in these areas often calling for the addition of one more row of lights to be installed and relocating the existing rows to provide even spacing.

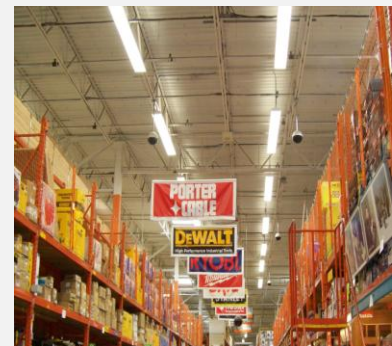
BEFORE



AFTER



The final design boasted an 8 ft' louvered specialty fixture with a 6 lamp T5 fluorescent technology. This solution offered more than 100 watt per fixture reduction and included an aggressive 1/2 switching technology to allow lighting during stocking at night and allowed for emergency demand reduction incentives all while increasing light levels by 40%.



TEAM WORK LEADS TO NATIONAL SUCCESS: In 2004 the Home Depot Merchandising group had been watching the effect that this lighting project had on sales as well as tracking customers' impressions of the new lighting which were extremely favorable. This was the birth of the "refresher program" that included new lighting, grinding the floors to a high shine, high dusting of the ceilings, a totally new banner design and selective new painting. What had begun as an energy project with Home Depot's Energy Group was handed to their store remodel group.

Lighting Retrofit Services (LRS) is widely recognized for our expertise in providing the highest quality turn-key energy efficiency solutions, database management and project management for commercial, industrial, multi-family and utility client market segments, at unmatched price levels. LRS has been providing high quality lighting design and construction services in the Northeast and Mid-Atlantic states for almost two decades, having grown to include the entire United States and Canada. Contact us at: 220 Ballardvale Street Wilmington MA 01887 info@lightingretro.com (978) 988 7800 www.lrs-lighting.com