

LED Done Right™



project data		type	qty	energy per unit	total energy
existing	retrofit	T8 6 lamp	10	221W	2,210W
		LS-18	10	150W	1,500W

TOTAL ENERGY REDUCTION 710 watts

**32%
energy
reduction**

**86%
energy
reduction**

31' ceiling height, fixtures installed at 28 feet. Aisle width 11.42'.



before
**T8 6 lamp 100%
221W**



after
**LED 100%
150W**



after
**LED 20%
30W**

T8 Fluorescent - 13 Footcandles

Linear LED 100% - 15 Footcandles

Linear LED 20% - 2.8 Footcandles

This aisle reconfiguration project at the Fastenal - Winona warehouse featuring energybank LED Linear 12' fixtures delivers additional light while decreasing energy consumption. In a head-to-head comparison of the existing T8 fixtures and the Linear LED each at 100% power, the Linear LED achieves a 32% energy reduction while increasing the quantity of light delivered. By further deploying a motion control strategy that dims the Linear LED to 20% when there is no activity in the aisle, an 86% reduction in energy is achieved. That's LED Done Right.