



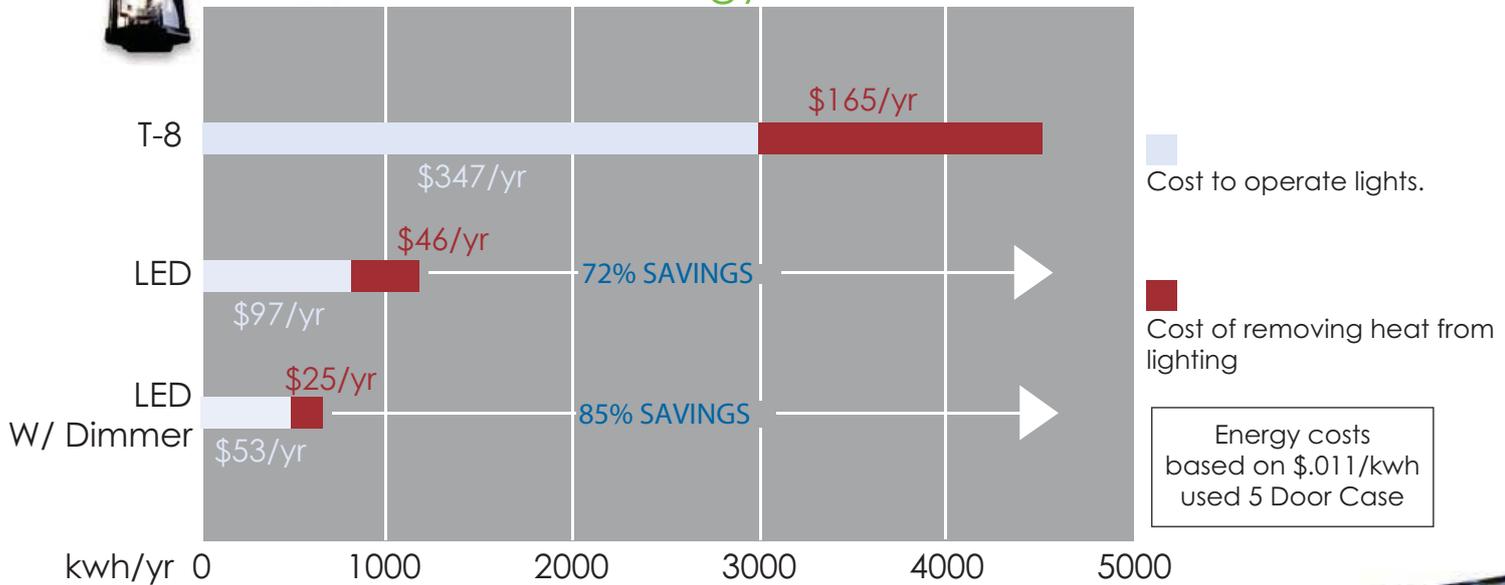
LED LIGHTS



Practically eliminate your cooler and freezer case lighting costs by replacing hot fluorescent tubes with cool LEDs. At 20 watts or less per door, LEDs run far cooler than traditional T-12 and T-8 tubes, reducing the load on your compressors. Our LEDs are rated for at least 50,000 hours, but adding the optional dimming module saves even more energy and can add years to lamp life.

LED's are engineered to put the light where you need it most, eliminating overexposed areas on the display shelves. LED lights maintain consistent light levels across the merchandise providing a bright and continuous viewing environment even at hard angles. This enhances the visual experience and creates a more spacious feel resulting in a superior selling environment.

save energy & maintenance costs



Adding the optional Dimming Control increases savings to as much as 97% over T-12s!



LED BENEFITS

LED Lighting emits less heat in your refrigerated display cases creating additional wattage savings. And for every watt saved, the compressor performs less work so even less energy is required to remove the heat build-up inside. Therefore, store owners cut costs through big reductions in energy consumption and maintenance. LED's increase luminosity and reduce glare which results in a greater pleasing display which increases sales and customer value. Store owners have greater flexibility in creating the "right look" for their store by selecting the best color temperatures and lengths to meet their needs.





INCREASE ENERGY SAVINGS

Further energy savings can be obtained by connecting a motion sensor device into the lighting system. The sensor/dimmer combination gently reduces the light output (and therefore energy consumption) when the space is not occupied. When motion is detected, the lighting gradually comes back to full strength.

DIMMED VS. NON-DIMMED: comparing strategies

12 Door Convenience Store 6 Foot Lamps Beverage Cooler	60 Door Grocery 5 Foot Lamps Frozen Food & Ice Cream	155 Door Grocery Mostly 5 Foot Lamps, Some 6 Frozen Food, Ice Cream & Some Dairy
WITHOUT DIMMING	WITHOUT DIMMING AISLED, NON-DIMMED END-CAPS	WITHOUT DIMMING AISLED, NON-DIMMED END-CAPS
Project Cost \$3,502.40	Project Cost \$12,257.01	Project Cost \$39,610.99
Federal Incentive -\$1,788.00	Federal Incentive -\$3,468.00	Federal Incentive -\$8,207.00
Utility Incentive -\$1,200.00	Utility Incentive -\$3,420.00	Utility Incentive -\$11,714.00
Total Cost \$514.40	Total Cost \$5,369.01	Total Cost \$19,689.99
Annual Energy Savings (15 cents/kwh) \$1,624.37	Annual Energy Savings (13 cents/kwh) \$4,794.05	Annual Energy Savings (13 cents/kwh) \$15,784.14
ROI 3.8 Months	ROI 13.44 Months	ROI 14.97 Months
WITH DIMMING		
Project Cost \$3,833.97		
Federal Incentive -\$2,220.00		
Utility Incentive -\$1,200.00		
Total Cost \$413.97		
Annual Energy Savings (15 cents/kwh) \$1,788.04		
ROI 2.78 Months		

DIMMING CONTROL

Optional dimming control may increase total energy savings up to an additional 47% and extend standard LED Lumen depreciation from 50,000 hours to over 90,000 hours.*

keepyourcool.org



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*Based on independent utility studies