Cree® luminaires controlled with an integrated wireless dimming system provide an energy efficient lighting solution allowing Raley's* to achieve less than a one year payback on the installation.

- Impressive payback of only .95 year
- Fewer luminaires needed compared to traditional technology
- Controlled lighting saves energy & achieves state requirements
Supermarkets are fast becoming a model of energy efficiency in their industry. Prompted by an interest in energy efficiency and a recent goal to reduce companywide energy usage by another 10%, Raley’s has incorporated numerous, and often groundbreaking, energy saving techniques into their business plan.

Raley’s® Family of Fine Stores – considered one of the most environmentally-advanced grocery chains in the nation – is dedicated to improving sustainable operations in its 128 stores. A goal for the California-based provider of fresh markets, convenience stores and petroleum stations is reducing overall energy consumption in new store construction and upgrades to existing locations. When Raley’s® energy and utility manager Randy Walthers sought an efficient lighting system for a new location in South Lake Tahoe he looked for an improvement over the fluorescent, metal halide and halogen spot lighting systems that were causing maintenance issues at existing store and petroleum station locations. His search led him to Hi-Def Lighting & Electric Inc. who specified interior and exterior LED lighting equipped with a sophisticated control system that achieves California’s daylight control requirement.
“Raley’s Supermarkets has taken steps in their path to reduce energy consumption, paving the way for other grocers to do the same.”

Randy Walthers, Energy/Utility Manager, Raley’s
IN THIS CASE STUDY

304 Series™
RECESSED CANOPY / SOFFIT LUMINAIRE
- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- Driver centrally located
- Convenient electrical inspection access from below
- Low-profile design

227 Series™
RECESSED SOFFIT LUMINAIRE
- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- UL wet listed
- Multi-Level options
- Upgrade kit options
- Modular, low-profile design

Cree Edge™ Series
AREA / AREA ROUND LUMINAIRE
- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Utilizes BetaLED® Technology
- UL wet listed
- Two-Level options
- Modular, low-profile design

Cree Edge™ Series
SECURITY LUMINAIRE
- Minimum 70 CRI
- CCT: 4000K (+/-300K), 5700K (+/-500K)
- Utilizes BetaLED® Technology
- UL wet listed
- Multi-Level options
- Modular, low-profile design

CR Series
TROFFERS
- 2000 - 5000 lumens
- 22 - 50 watts
- 90 - 110 LPW
- 90 CRI
- 3500K or 4000K CCT
- Up to 50,000-hour lifetime
- 0 - 10V dimming to 5%; step dimming to 50%

Cree BetaLED® Technology uses a total systems approach combining the most advanced LED sources, driver technologies, optics and form into each product. The patented NanoOptic® technology, available in more than 20 distributions, provides a level of optical control and thermal management that traditional light source technology cannot provide. Combined with the DeltaGuard® Finish, the finest industrial-grade finish available, the result is outstanding target illumination, lasting performance and optimum energy efficiency.

PARTICIPANTS
End User: Raley’s
Electrical Distributor: Hi-Def Lighting & Electric Inc., Rocklin, CA
Cree Petroleum Agency: Trengove Marketing & Sales, El Dorado Hills, CA