# **Lighting Efficiency Programs at Work**

An open discussion on lighting projects in Vermont, with case studies from Harrington's Ham, Rhino Foods, Love & Co.







210 E. Main Street, Richmond, VT

## The Project: RELIGHT Estimated Annual Energy Savings: 31,836 kWh Estimated Annual Cost Savings: \$5,000 Incentives Provided: \$6,772 Simple Payback: ~3 years

Todd Liberty – Harrington's Production Manager Steve Beard, Northeast Electrical Distributors - RELIGHT Lighting Design Professional Scott Kimball, Visible Light – Lighting Rep & Project Assistance



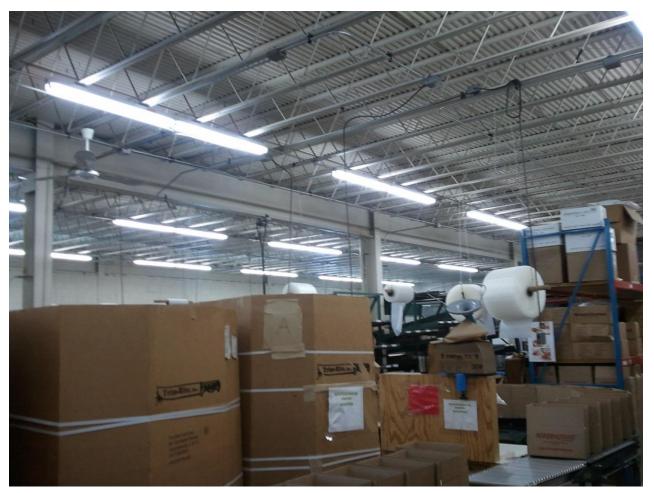




















## **RELIGHT Checklist**

#### **Pre-Audit**

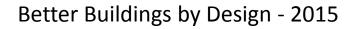
- Notify RELIGHT Intake
- Submit RELIGHT Customer Agreement
- Schedule Audit
- Electric utility? \_\_\_\_\_\_
- Utility rate? \_\_\_\_\_
- Heating fuel type? \_\_\_\_\_\_
- Business operating schedule? \_\_\_\_
- Confirm project timeline (how quickly do they need a quote, how quickly would they need fixtures on site?)
- What is the customer's payback threshold to move forward with project (2 years, 5 years, etc?)
- Find out if drawings are available
- Which electrician does the customer like to work with?

#### Audit (for each space)

- Room name
- Room use (need for IESNA FC levels)
- Reflectances
- Variations in hours/day, etc?
- Dimensions of space?
- Photo of space
- Existing control?
- Is customer happy with existing light levels and controls?
- EM lighting (generator, emergency ballasts, wallpacks, UPS)?
- Voltage (120 or 277)?
- Ceiling types (grid, sheetrock, open)?
- Locations of existing power feeds

#### Post-Audit

- Suggested IESNA FC levels (do they differ from existing levels?)
- Control used where appropriate?
- Coordinate with EC for installed cost estimate
- Identify stakeholders / have them review and approve design







79 Industrial Parkway, Burlington, VT

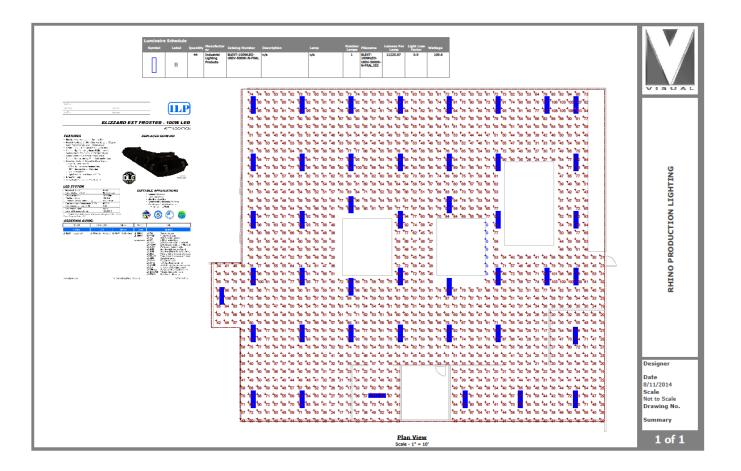
## The Project: RELIGHT Estimated Annual Energy Savings: 15,008 kWh Estimated Annual Cost Savings: \$2,247 Incentives Provided: \$13,000 Simple Payback: 8.6 years

Gene Steinfeld, Rhino Foods - Director of Operations Jay Hammond, Hammond Electric - Contractor Steve Beard, Northeast Electrical Distributors - RELIGHT Lighting Design Professional Scott Kimball, Visible Light – Lighting Rep & Project Assistance



**Efficiency** Ve







**Efficiency** Vermont



Burlington Town Center (49 Church St), Burlington, VT

### The Project: Custom (MR16 → LED) Estimated Annual Energy Savings: 19,428 kWh Estimated Annual Cost Savings: \$2,890 Incentives Provided: \$3,420 Simple Payback: 0.1 years

David Amsellem, Love & Co.- Owner Lee Spaulding, Walsh Electric Supply – Lighting Distributor



**Efficiency** Vermor