

RETROFIT AND SAVE

CUSTOMIZED TURNKEY SOLUTIONS FROM
THE INDUSTRY'S SITE LIGHTING LEADER



BEFORE



AFTER



WLS LIGHTING SYSTEMS

Consider The Impact!

“RELIGHTING” IS AN AFFORDABLE SOLUTION

to increasing nighttime sales and creating a safer, more appealing retail environment. Shopping centers with outdated or poorly maintained lighting can be upgraded by WLS with minimal shopping disruption. The energy savings alone will accelerate the return on your investment.



BEFORE



AFTER

THE SWITCH TO EFFICIENT DISTRIBUTION CENTER LIGHTING IS ON!

Current lighting technology gives you the power to reduce your energy consumption while maintaining the illumination levels you need to be productive and safe. With new economic and efficient lamp and ballast technology, you can lower your energy consumption while contributing to your environmental sustainability.



WLS TURNKEY SITE LIGHTING PACKAGES offer thorough on-site evaluations of your existing lighting and electrical systems with turnkey site lighting packages based on our extensive site survey, analysis and energy audit. From design to completion, our qualified technicians will install your new or upgraded system to meet all tenant, owner, developer and local requirements.

“Quick Installation by WLS provides minimal shopping disruption.”



Energy Controls

SG Series

FV Series

Canopy & Garage

HP Series

RVS Series

H Series

748 Series

Lamp Source Metal Halide, Super Metal Halide, High Pressure Sodium, Pulse Start, Fluorescent, CFL, Natural White, LED, and Induction Lamps.

875W Pulse Start**Retrofit to Less Fixtures
Replace Probe Start 1000W**

Concrete Example A distribution center replaced (20) 1000 watt standard probe start metal halide fixtures with (6) 875 watt pulse start metal halide fixtures in the shipping area.

Comparison

Existing System: (20) 1000 Watt, enclosed rated, probe start metal halide.

- Energy Cost: **\$8,640/year** (based on 5000 hrs/yr at \$0.08/KWh)
- Footcandle average: 15fc

The smart solution: (6) 875 Watt, open-rated pulse start metal halide.

- Energy Cost: **\$2,256/year** (based on 5000 hrs/yr at \$0.08/KWh)
- Footcandle average: 38fc

Retrofit Energy Savings

The WLS 875W Solution:

- Saved 80,000 KWh of energy per year, approximately
- **Saved \$6,384** per year
- Increased the light levels over 150% (2.5 times the illuminance level)
- Reduced the number of fixtures from 20 to 6
- Saved over 140 watts of energy per fixture



The Job: Distribution Center
The Solution: 875W pulse start system

775W Pulse Start**Retrofit 1 to 1 Fixtures
Replace HPS 1000W**

Concrete Example WLS improved the parking lot lighting, reduced energy usage and lowered maintenance costs at Innsbrooke Plaza, a 150,000 sq. ft. shopping complex located in Murfreesboro, TN.

Comparison

Existing System: (24) 1000 Watt high pressure sodium fixtures.

The smart solution: (24) 775 Watt, Natural White fixtures.

Retrofit Energy Savings

The WLS Natural White 775W Installation:

- Reduced Energy Usage by 25%
- **Saved \$4,000** per year
- Increased the light levels over 160% (2.5 times the illuminance level)
- Saved over 225 watts of energy per fixture



The Job: Innsbrooke Plaza, Murfreesboro, TN
The Solution: 775W Natural White system

320W Pulse Start**Retrofit 1 to 1 Fixtures
Replace Probe Start 400W**

Concrete Example Five gymnasiums (totaling 37,000 sq. ft.) put a strain on their annual energy budget of \$650,000. They had a requirement to reduce costs by 16 percent. The 320W pulse start system helped exceed this requirement.

By using WLS Lighting's 320 watt pulse start systems, the school district will save in excess of \$1 million over a 10-year span. The gyms had a combined total of 123 lamps.

Energy consumption was further reduced through the use of an occupancy sensor-based, bi-level control lighting system installed in all five gyms.

Comparison

Existing System: 400 Watt, enclosed rated, probe start metal halide

- System Watts: 455 per fixture
- Footcandle average: 40-45fc

The smart solution: 320 Watt pulse start metal halide.

- System Watts: 349 per fixture
- Footcandle average: 60-64fc

Retrofit Energy Savings

The WLS 320W Pulse Start Solution:

- **Saved 25%** energy by switching to 320W pulse start
- **Saved an additional 50%** by using bi-level dimming
- Increased the light levels 150% (2.5 times the illuminance level)
- Increased previous mercury vapor light levels over 180%

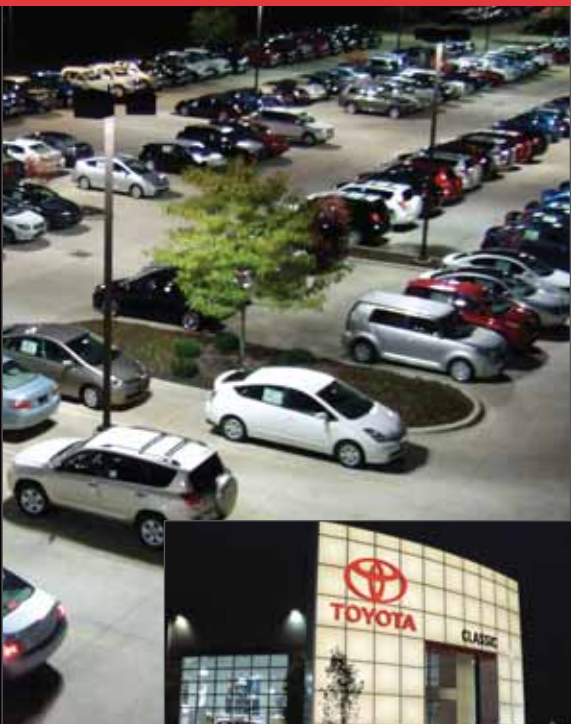


The Job: School Gymnasiums
The Solution: 320W Uni-Form® pulse start system

WLS *NATURAL WHITE*® INSTALLATIONS =
BETTER LIGHT, 25% LESS ENERGY, MORE SALES.



“Our Monthly Business went up 20% after relighting the parking lot.” *Director of Real Estate, Major National Grocer*



“We’re extremely pleased with Natural White lighting. At night, our dealership appears as bright as day. From just the better lighting alone, I’ll sell more cars.”

General Manager, Major Car Dealership



ENHANCE ANY OUTDOOR OR INDOOR LIGHTING APPLICATION

WLS lights hundreds of projects annually to meet the needs of retailers, municipalities, developers, contractors, architects and engineers. With over 40 years experience, we are at the forefront of the changes, innovations and trends taking place in the lighting industry today! Let the WLS specialists show you how an efficient lighting solution can brighten your bottom line.

Retail Parking



- Increases nighttime sales
- More vivid shopping environment
- Improves security and provides clearer images for security cameras
- Retains customer loyalty

Decorative Lighting/Site Amenities



- Architecturally pleasing
- Unlimited product designs
- Pedestrian friendly
- WLS site amenities include banners, benches, signage, planters and receptacles that increase curb appeal

Retail Lighting



- Natural White technology provides a more appealing shopping atmosphere
- Natural White UV Shield technology protects merchandise from fading
- Natural White technology shows true colors of the merchandise

Grocery Store Lighting



- Provides brighter colors on produce, merchandise and creates a more appealing environment
- Retains customer loyalty
- Enhances the shopping experience
- Harness the natural light from storefront windows or skylights

Distribution Centers



- Lighting retrofit kits
- Lighting upgrades
- Pick module energy control systems
- Reduce energy consumption, reduce peak demand load

Energy Control Systems



- Retrofits into existing fixtures/systems
- Up to 50% energy consumption reduction
- Wireless solutions (1-way and 2-way communication)
- Bi-level system for high/low lighting control
- Daylight harvesting, fiber-optic and passive infrared (PIR) occupancy systems

Lighting Maintenance



- Group relamp program
- Energy saving lamp and ballast retrofit kits
- Control annual maintenance costs
- Extended warranty options
- EPA approved lamp/ballast disposal programs

WLS Lighting Systems - The Industry's Site Lighting Leader Since 1969

- Thorough Site Surveys and Energy Audits
- Photometric Studies
- Turnkey Installation
- Energy Efficient Products
- Extended Warranty Options
- Cutting-edge Technology
- Tax and Energy Rebate/Credit Assistance
- LEED Certified Assistance



WLS LIGHTING SYSTEMS

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P.O. BOX 100519
Fort Worth, TX 76185
800.633.8711
817.735.4824 FAX

www.wslighting.com