



## LED OVERVIEW

12 LED CATEGORIES • OVER 10,000 LED PRODUCTS

### **LITON**° THE COMPLETE LIGHTING SOLUTION

LITON LED LIGHTING SOLUTION FOR CORPORATE & EDUCATION



#### Corporate

As corporations worldwide become increasingly aware of the cost of energy and its effect on their bottom line, they demand solutions. Research shows that almost 30% of their energy budget goes towards the use and maintenance of inefficient lighting systems. Liton's versatile LED fixtures enhance efficiency, insure sustainability and provide the warmth and beauty of traditional lighting sources. Easily integrated into new lighting plans or existing remodel and retrofit projects, Liton LED fixtures can provide a productive and comfortable environment while generating substantial savings in overall energy costs.

#### Corporate Projects (Liton LED)

24 Hour Fitness HQ Boeing Bldg. 42 Blue Cross/Blue Shield GE Transportation Goodyear HQ Google HQ Lockheed Martin Northrop Grumman Safeco Plaza Time Warner Union Bank Well Fargo Tower Uber Headquarters

#### **E** ducation

Whether a single classroom or a sprawling campus with several buildings, the learning institution must provide a well-lit but inviting environment. Energy cost containment may be important but the conservation of energy cannot come at the expense of learning. Liton LED fixtures offer many options such as color temperature, CRI, dimming, beamspread and adjustability which allows the customization of the lighting aspects of the classroom. This enhances the learning environment - all while realizing a significant reduction in energy consumption.



#### Education Projects (Liton LED)

Atlanta Metropolitan State College Buffalo State College Cal State University, San Marcos Chapman University John Tyler Community College John R. Briggs Elementary Northeastern University University of Notre Dame University of Evansville Univ. of California, San Diego Variety Club Research Center Washington State University

### **LITON**° THE COMPLETE LIGHTING SOLUTION

LITON LED LIGHTING SOLUTION FOR ENTERTAINMENT & RETAIL



#### Entertainment Projects (Liton LED)

Austin ISD Performing Arts Ctr. Ed Smith Stadium Food Network (Kitchen) Hard Rock Casino Landmark Theaters Malco Theaters

Paradise Casino Sea World Universal Studios

### Entertainment

Whether large venue or small, nightclub or health club, hall, theater or arena, Liton LED has the variety and options necessary to light all or part of any entertainment facility and maximize energy savings. Imagine a movie theater using Liton LED downlights to light the lobby. How about using LinkaLED Bar, Tape or Puck lights to entice hungry customers to the concession stand? What about using Liton's LED rope light to safely guide employees and patrons to seats, restrooms and, more importantly, a clearly marked exit? And what about those restrooms? Liton has the LED products necessary for that need and almost any other. It's amazing to think that we were only discussing a movie theater. When you think of all of the different LED downlights, track heads, undercabinet and safety products that Liton produces, the possibilities are mindboggling.

#### R etail

All retail establishments are designed with one goal in mind: to merchandise product so that it sells quickly. Proper lighting plays an essential role in that process. A properly lit store will highlight product and displays, illuminate consumer pathways, give direction to key departments or facilities including check out and provide real and perceived security. Studies show that good lighting reduces shrinkage from theft and damage. Liton Lighting provides LED lighting fixtures for any retail environment. Finally, retailers work on very thin margins. Even the cost of lighting is figured into the cost of goods. Liton LED lighting can save as much as 25% in annual energy costs over inefficient lighting.



#### R etail Projects (Liton LED)

Bank of Tampa Cole Haan Crate & Barrel David Yurman Destinations - Dallas Int'l. Airport Duty Free Americas HMS Host Destinations Dallas Impressions

Lewis Jewelers L'Occitane Macy's Osh Nursery Tiffany Jewelers Walmart Global XFinity Store

### **LITON** THE COMPLETE LIGHTING SOLUTION

LITON LED LIGHTING SOLUTION FOR HOSPITALITY & RESTAURANTS



### Hospitality

Warmth. Comfort. Elegance. The goal of the host is to make guests feel comfortable and want to come back. A wide range of small aperture LED downlights and task lights from Liton can help to set a welcoming tone for guests – whether they've come to work, play, sleep, dine or simply relax. With no sacrifice to physical comfort or visual elegance, Liton's commitment to LED innovation delivers significant energy savings and an enhanced guest experience.

#### Hospitality Projects (Liton LED)

Courtyard Inn Disney- Daar Guestrooms Elms Hotel & Spa Grand Hyatt Hilton Garden Inns Hyatt Regency Marriott Biscayne Bay Marriott Manhattan Beach Marriott Desert Ridge Ritz Carlton Spring Hill Suites by Marriott Trump Hotel

#### R estaurants

Whether a restaurant is designed for casual dining, fast food or intimate elegance, presentation is everything. In this highly competitive market, every aspect is important. Food, service, décor and atmosphere all require careful planning to succeed. Liton LED solutions light the way by providing the lighting tools and options necessary to achieve that all-important atmosphere and create an unforgettable dining experience.



#### R estaurants Projects (Liton LED)

Baja Fresh Coffee Bean - Hilton
Benihana IHOP Restaurant
Carl's Jr. Johnny Rockets

Pinkberry Starbucks TGI Fridays Wild Potato Yo! Sushi

### **LITON**° THE COMPLETE LIGHTING SOLUTION

LITON LED LIGHTING SOLUTION FOR GOVERNMENT & HEALTHCARE



#### Government

Ever heard of the \$1000 ashtray? Yes, the government has had a way of wasting hard-earned taxpayer dollars. But 'we the people' have complained and, remarkably, they have listened. Government facilities must now achieve a 30% reduction in energy consumption based upon 2003 levels according to Executive Order 13423. By choosing Liton LED solutions you can achieve an overall 23% reduction in lighting costs alone. Not a bad start towards energy independence.

#### Government Projects (Liton LED)

42nd Military Police Barracks Brighton City Hall City of Creve Coeur City of Gothenburg (Public Works) City of Reno Detroit Metro Airport Erie County Convention Center ESSE Museum Fed. Reserve Bank of Kansas City Minot Air Force Base Tehachapi Police Department

#### **H**ealthcare

Research shows that environment is an important part of patient treatment and recovery. Old-fashioned, inefficient CFL and incandescent lighting can create a depressing visual experience that affects patients and caregivers alike. Liton LED lighting fixtures are a powerful way to support the lighting design goals that are important to healthcare facilities. It improves the patient experience, enhances staff performance and, helps to reduce heath care costs by reducing energy consumption.



#### Healthcare Projects (Liton LED)

Brookfield Veterinary Hospital Cedars Sinai Medical Center CMC Oncology Center Colfax Health & Rehab Center Elgin Community College Hippocrates Health Institute Indiana University Hospital Mayo Clinic Health System Sacred Heart Hospital Sarasota Memorial Hospital Savage Medical Seven Seas Pediatric Dentistry Vanderbilt-Ingram Cancer Ctr.

### **LITON**° THE COMPLETE LIGHTING SOLUTION

LITON LED LIGHTING SOLUTION FOR RESIDENTIAL & HOUSE OF WORSHIP



#### R esidential

As residential customers experience skyrocketing electricity rates, they have begun to count every single kilowatt. Porch lights are left off. They squint in darkened rooms trying to conserve every bit of energy they can. They scour their abodes seeking out every device that consumes a scintilla of phantom power. Selling a residence? Lighting is now an issue. Building a residence? Lighting is in the plans. Buying a residence: Lighting is a consideration. Previously, the only energy efficient solution was CFL, a compromise by any measure. Liton LED lighting fixtures provide outstanding energy efficiency but also provide all of

the advantages of traditional technologies including adjustability, beam spread control, dimming and more apertures than competing brands or lamping technologies. Liton LED fixtures can be price competitive as well with models in every price range.

#### House of Worship

Whether church or synagogue, cathedral, mosque or temple - houses of worship present unique challenges for lighting design. Congregants, clergy, staff and visitors come to these spaces with individual needs and expectations. Many of these facilities are multi-purpose and may have different lighting requirements for different functions. Architectural features, artwork, statuary, altars and other important furnishings may need special lighting. All of these situations present challenges easily met using Liton LED lighting. Need adjustability in a recessed LED downlight? How about fine beamspread control? Will dimming help to set the atmosphere?



What about an LED track head that matches all of the characteristics of your downlights? Liton LED meets all of those requirements and more.

#### House of Worship Projects (Liton LED)

Destiny Worship Center
First United Methodist Church of Warren

Greenwood Episcopal Church St. Patricks Church Sun Prairie United Methodist Church Temple Israel

## LITON LED LIGHTING SOLUTION FOR SPECIALTY RETAIL



Auto dealerships look for a visual edge over their competition when showcasing new models in their showrooms. Only the top-of-the-line, most fully-featured models are awarded that valuable real estate. Vehicles are polished and presented in a manner that justifies their cost and whets the appetite of the consumer. In the past, the lighting technology of choice was HID, known for intense color rendition and lots of sparkle. The downside was the finicky nature of that technology, the inability to dim metal halide lamps and the intense heat generated. Now LITON LED, with its high lumen output, choice of CCT and high CRI values, eliminates the downsides of HID and provides comparable output, consistent color rendering, better energy efficiency and lots of sparkle.

#### **S** pecialty R etail: Automobile Dealership Projects by Liton LED

Airport Acura BMW of Atlantic City Brad Benson Auto Group (Hyundai) Kia Dealership of Santa Rosa Mercedes Benz of Des Moines Mercedes Benz of El Dorado Hills Mercedes Benz of Los Angeles Newport Lexus Pohanka Nissan Toyota of Abilene Toyota of Medford Toyota of Springfield Triumph Motorcycle

## UNIVERSAL DIMMING

## FOUR GREAT REASONS TO CHOOSE UNIDIM™

- AVOID EXPENSIVE REWIRING
  UniDim™ works with Incandescent/
  Triac, 0-10V and ELV Dimmers.
- 2 AVOID DIMMER COMPATIBILITY ISSUES
  UniDim™ is compatible with Lutron,
  Leviton and most popular dimmer
  systems.
- 3 SMOOTH FLICKER-FREE COMPATIBILITY UniDim™ delivers smooth, incandescent-like dimming performance from ELV, 0-10V, and 120V dimming systems.
- 4 REDUCE INVENTORY
  UniDim™ is available on all Liton Gen2
  Architectural LED and MiniArc LED
  housings.

#### WIRING DIAGRAM



0-10V Fluorescent Dimming (120-277VAC)



Line Voltage/Incandescent Dimming (120-277VAC



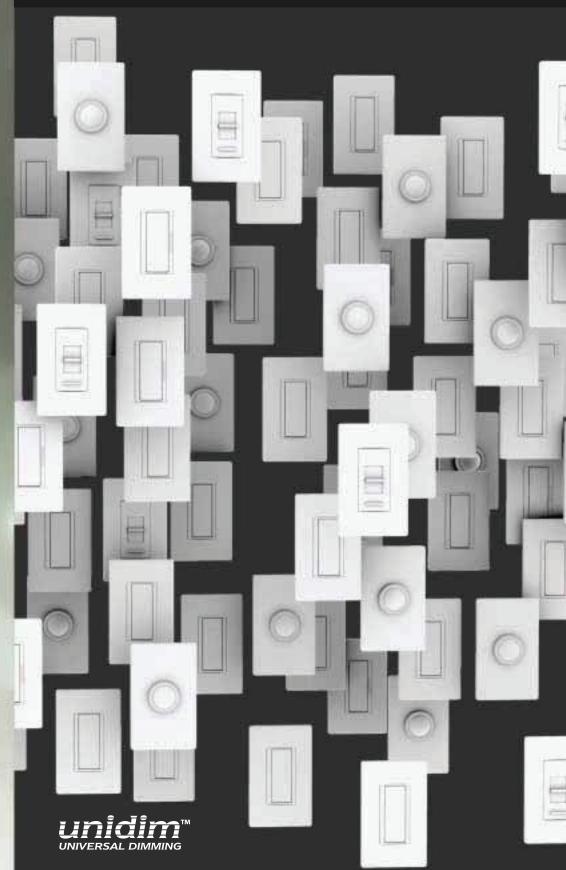
STOCK OR SPECIFY
JUST ONE LED HOUSING
TO HANDLE MOST
LED DIMMERS!

## REDUCE INVENTORY AND FIXTURE VARIETY

Distributors supplying new construction projects can now purchase and warehouse just one product to accommodate several different projects. Specifiers can now use just one product to satisfy all the needs of a project regardless of existing or planned wiring or lighting control systems.



Find these products online! Search for: "-DUN"





# PATHWAY



#### **APPLICATION**

LITON LED Step and Pathway lights are an energy efficient solution for lighting interior pathways, aisles and low-level points of egress in residential and commercial applications. Perfect for improving safety on stairways, ramps and other dimly lit areas.

#### **PRODUCT BENEFITS**

- 6 stylish trim options: vertical, horizontal, round, open lens and louvered.
- High quality, die-cast step lights feature a 'no-screw' faceplate for a sleek, modern appearance.
- Energy Efficient: 3.5 watts delivers 240Lm.
- Easy to install, direct 120V wiring, no remote drivers.
- Mounts to standard 4" J-box. ELV dimming standard.

# RECESSED





#### **APPLICATION**

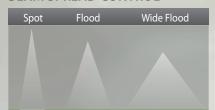
Recommended for Architectural, Retail and Municipal applications where high lumen output, professional grade optics, superior beam control and flexible dimming options are required.

#### **PRODUCT FEATURES**

- 4" 8" Aperture.Powerful, high output to 10,000 Lumens.
- Energy efficient lumen packages up to 100 Lm/W.
- Binned to within 3-Step MacAdam Ellipses (SDCM).

  • Dimming and battery
- back-up options.

#### **BEAM SPREAD CONTROL**







# HIGH LUMEN LED LUMEN CANNON CYLINDER LIGHTING



#### **APPLICATION**

LITON's Lumen Cannon LED cylinder downlights are designed for high ceilings in atriums, exhibit halls and hospitality areas. Can be surface mounted, wall mounted, track mounted or suspended 12" to 72" from a ceiling using optional mounting accessories.

#### **PRODUCT BENEFITS**

- 4" & 6" models deliver powerful performance with lumen packages up to 6000Lm delivered.
- 6 mounting options including surface, wall, pendant, cable and track, depending on aperture.
  Other options include power input,
- Other options include power input, dimming, beam spread, CRI and color temperature.

#### **BEAM SPREAD CONTROL**

Spot Flood Wide Flood

# LED RETROFIT RECESSED

LIGHTING



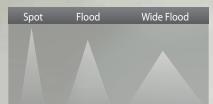
#### **APPLICATION**

Easily convert inefficient line voltage, HID and CFL lighting to energy saving LED in commercial, retail, office and similar applications. Though designed for retrofit these downlights function equally well in New Construction and Remodel applications when paired with compatible housings.

#### **PRODUCT BENEFITS**

LITON's large selection of recessed LED retrofits feature standard reflector, shallow plenum and adjustable models to fit any application. With apertures from 4" to 10" and a wealth of beam spread, color temperature and dimming options, LITON stands above the retrofit crowd with more variety and options. Last but not least, LITON offers lumen packages from 900Lm to 4000Lm, leading the pack in versatility.

#### **BEAM SPREAD CONTROL**







Find these products online! Search for: "LHBLD" (2") & "LHJLD" (3"& 4")



# MINIATURE RECESSED



#### **APPLICATION**

Ideal for strategic placement in spaces suited to small aperture downlights such as retail, hospitality, residential and entertainment venues where unobtrusive, energy efficient lighting is desired.

- Available in 2", 3" & 4" apertures.
- A wide variety of trim styles are available for any décor including round, square and adjustable gimbal in a variety of finishes.
- Options include dimming, beam spread, lumen output & CRI.

# FIREGUARD LED HOUSINGS



- 2" Housing & Trims
- 3" Housing & Trims
- 4" Housing & Trims
- 6" Housing & Trims

#### **APPLICATION**

FireGuard™ housings have passed rigorous testing by UL laboratories and have earned a One-Hour Fire Rating. FireGuard™ Housings are designed for New Construction applications that require up to a 1-hour fire rating for L500 design plans.

- FireGuard Housings available for 2", 3", 4" & 6" General Purpose LED Trims
- Advanced 3-Stage Fire Resistant Technology, U.S. Patent.
- 1-Hr Minimum Rating New Construction Housing.
- Eliminates expensive manually constructed drywall enclosures.
   Save Labor, Materials and Time.
- FireGuard™ Master Housings accepts 2", 3", 4" and 6" trims.





Find these products online! Search for: "LHLDH"

# LED GENERAL PURPOSE PURPOSE LED LIGHTING







#### **APPLICATION**

Recommended for any residential or light commercial project where quality, economy, energy efficiency, performance, and options comparable to incandescent, low voltage and CFL fixtures are desired.

#### **PRODUCT BENEFITS**

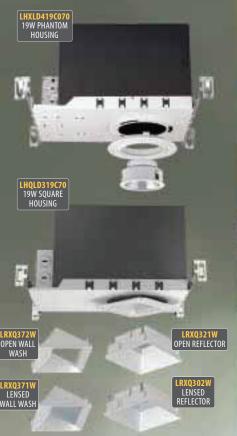
Economical LITON General Purpose LED Downlights offer variety and options not commonly found in LED products in this price range.

A multitude of apertures, trims styles, beam spreads, input voltages, lumen packages and dimming options make this downlight the most flexible in its class.

#### **BEAM SPREAD CONTROL**

Spot Flood Wide Flood

# TRIMLESS RECESSED





Ideal for strategic placement in spaces suited to small aperture downlights such as retail, hospitality, residential and entertainment venues where unobtrusive, energy efficient lighting is desired.

- Available in 3" square and 4" round apertures.
- Models include MiniARC<sup>2</sup> Square Trimless Adjustable and round Trimless housings and trims.
   Options include dimming,
- Options include dimming, beam spread, lumen output, and CRI.







Find these products online! Search for: "LRELD" (2", 3", 4", 5", 6") & "LREBLD" (Ready2Ship White 4"-6")



# GU24 LED 120V LED LIGHTING



#### **APPLICATION**

Recommended for general ambient lighting in areas with average ceiling heights. Designed for New Construction, Remodel and Retrofit applications in residential and light commercial spaces.

#### **PRODUCT FEATURES**

- Available in 2", 3", 4", 5" & 6"apertures.
- Features Quick Connect or GU24 connectors.
- A wide variety of trim styles are available.

for any décor, including round, square, adjustable gimbal and surface mount in a variety of finishes.

 Options may include dimming, beam spread and lumen output.





The Branch will be

#### **APPLICATION**

LITON's large collection of LED Undercabinet and linear lighting is designed to accent and illuminate coves, nooks, cabinetry and other small spaces in residential, retail and commercial applications.

T2-1-12-17

#### **LED PRODUCTS**

- ProStick 24V Linear LED Bars.
- · LinkaLED 24V Linear LED Bars.
- LinkaLED Wet Location 24V LED Bars.
- · LinkaLED 24V LED Puck Lights.
- · LinkaLED 24V Linear 24V Tape Light.
- 120V LED Strip Lights.
- 120V LED Rope Light.





Find these products online! Search for: "SP2"

# DESIGNER





#### **APPLICATION**

Perfect for introducing beauty, style and intimate illumination to restaurant, hospitality, retail and high-end residential environments. Warm, lively lumen distribution when turned on, attractive aesthetics when turned off.

- Entire glass lights up when on.
- Over 100 color options, Snow Frost & Mocha Swirl Standard.

  • 5 beautiful shapes to capture
- the imagination.
- Nickel plated hardware for enhanced beauty.
- Direct 120V input, ELV Dimming standard.

## ARCHITECTURAL LED TRACK LIGHTING



#### **APPLICATION**

High Output architecturally-styled APOLLO LED Trackhead is perfect for applications where powerful lumen output is required. Fully die-cast with integrated heatsink, hardware and wiring for a sleek unobtrusive appearance. APOLLO combines long-lasting beauty and energy efficiency with intense lumen output. Excels at delivering maximum footcandles to objects, spaces and features from longer distances. Ideal for Retail and Commercial applications.

- High Quality, Die-cast construction.
- ELV Dimming Option.
- · Precision design insures firm positioning.
- Specification-quality optics featuring 3-Step MacAdam Ellipse Binning (SCDM).
- · Sleek, professional design, no visible wires or drivers.
- Comes Standard with 4 Color Temperatures.
- Field Replaceable Reflectors .
- 5 Powerful Lumen Outputs.





S O LO
LED TRACK LIGHTING



#### **APPLICATION**

Designed for any indoor architectural track application where multi-circuit switching or 277V input is required. Featuring powerful, adjustable lumen output and energy efficiency, **LITON** Architectural **LED** Track products are perfect for constantly evolving retail and showroom environments. Perfect replacements for inefficient HID, MR16, CFL and line voltage track.

#### **PRODUCT BENEFITS**

Available in **2-Circuit/2-Neutral** and **3-Circuit/1-Neutral** configurations, **LITON** Architectural **LED** Track allows of flexibility of Multi-Circuit Switching and the option of using all 277V in your lighting design.

## **VALUE DRIVEN PERFORMANCE** LED TRACK LIGHTING



Find these products online! Search for: "LTD50"





#### **APPLICATION**

Powerful, value-driven performance from dedicated EcoTrack LED Track Heads. EcoTrack LED Track heads offer slim, unobtrusive profiles for a clean, uncluttered appearance. No visible drivers to distract from the beauty of the design.

- High output: Up to 1,500 Lm.
- · 3000K Standard, 80CRI, others by special order
- Electronic LowVoltage Dimming Option.
- For 1/1 circuit or 2/1 circuit 'H' style track.
   Other connectors by special order
   Illuminates like: 90W PAR, 100W A19.
- Available in Black, Natural & White (LTD5125 available in Black or White).





## ARCHITECTURAL

LED TRACK LIGHTING



#### **APPLICATION**

Distinctive design, metal and mesh textures and colorful glass shades make the Saturn Series ideal for retail, boutiques, high-end residences and restaurants.

- 10W, 700Lm package.
- · 3000K Standard, 80CRI, others by special order.
  • 40° Beamspread.
- Electronic LowVoltage (ELV) Dimming Standard.
- For 1/1 circuit or 2/1 circuit 'H' style track.
- Other connectors by special order.
- Illuminates like: 75W MR16FL, PAR20FL
- · Color-matched thermo-formed synthetic driver box.
- Precision engineered for stable positioning: 280° rotational and 70° vertical adjustment.

LITON LED OVERVIEW



ARCHITECTURAL ENDANTS

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