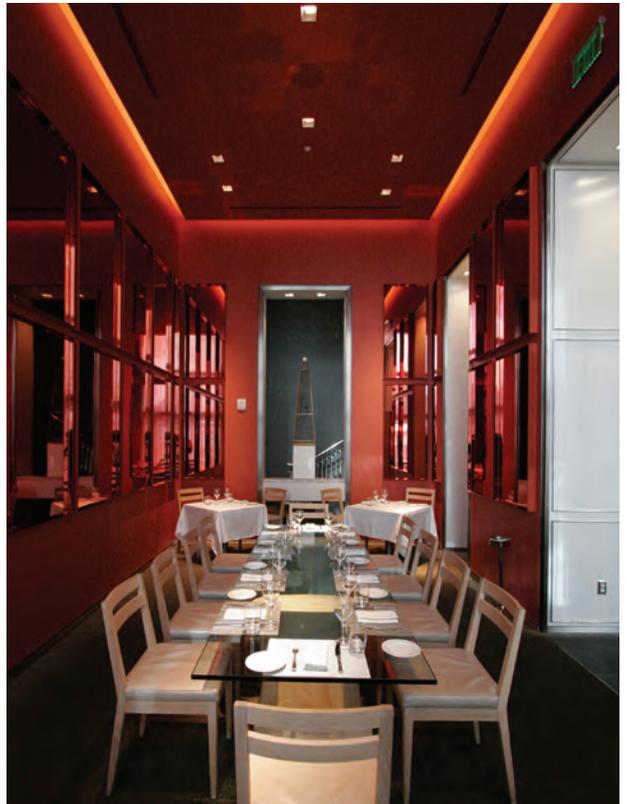
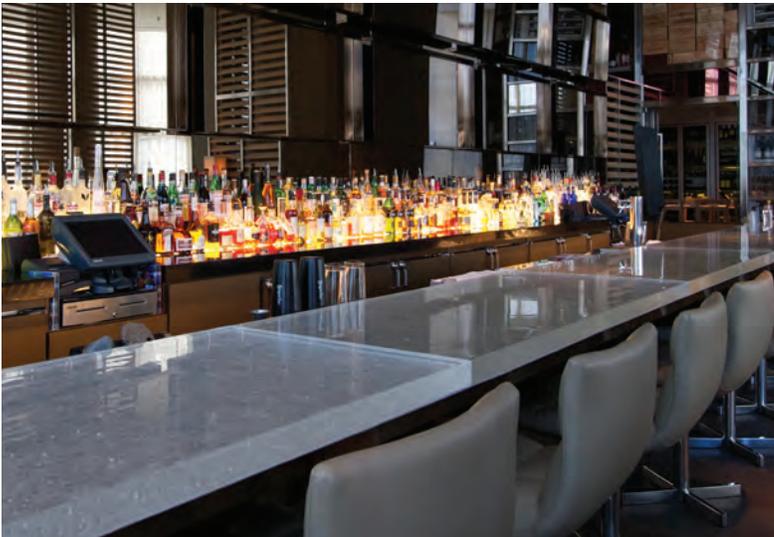


ECOSENSE®  
SUSTAINABLE. VERSATILE. ECONOMICAL.

EcoSpec®

The Newest Generation  
of LED Illumination

**VANILLA ICE PROJECT**  
West Palm Beach, FL, USA  
LD/ARCHITECT  
Gavin Cooper, LED Source®  
ECOSENSE PRODUCTS USED  
EcoSpec Landscape Mini-Flood  
and EcoSpec Landscape Accent  
PHOTO CREDIT  
Departure Films



**DB BISTRO, MARRIOTT MARQUIS**

Miami, FL, USA

LD/ARCHITECT

Hufsey • Nicolaidis • Garcia • Suarez, Associates, Inc.

ECOSENSE PRODUCTS USED

EcoSpec Linear INT

PHOTO CREDIT

Chris Vlaun

# EcoSpec Luminaires

EcoSense Lighting proudly introduces the EcoSpec® line of specification-grade white LED luminaires designed for a range of interior and exterior applications utilizing the most recent high-brightness white LEDs.

EcoSpec products offer a non-flicker, full-range dimming curve with sleek and functional architectural styling — all at an affordable price. Additionally, EcoSpec products deliver the highest light quality. The wide-spread adoption of white LED products has been hampered by the inability of manufacturers to consistently meet the target color temperature specification, and by visible variations of color temperature from unit to unit. It's as if lighting manufacturers are following the old adage, "you get what you get, and you don't get upset."

We at EcoSense® know that lighting designers and architects *do* get upset when their standards are compromised so we've developed a highly stringent LED binning criteria used in the production of all EcoSpec products; resulting in at least a 4x tighter yield than the ANSI standard.

What we've created with EcoSpec is a range of products with the highest performance, versatility, and optimal light quality in the industry. What you'll create with EcoSpec products is a beautiful and functional lighting design project that meets your most exacting standards.

# The Many Benefits of LED Illumination

## LED ILLUMINATION BENEFITS

- Energy Efficient
- Cool to the Touch
- Bright
- Mercury-Free
- Extremely Long-Lasting
- No UV Emissions
- Low Maintenance
- Durable

LED illumination continues to gain ground over traditional lighting solutions as the specifier's choice for commercial and residential applications. And rightfully so. The benefits offered by LEDs are numerous.

## SUSTAINABLE

Sustainable architecture and sustainable living require efficient lighting to deliver on their promise. Researchers, governments, and commercial institutions all agree that LED technology is the eco-innovation that will be the efficient lighting solution; where significant strides are already being made today in developing viable white LED sources in addition to the promise for even greater improvements for tomorrow. The U.S. Department of Energy reports that 22% of all electricity used in the U.S. today is consumed by lighting, and that transitioning to LEDs could save US\$280 billion by 2028.\* Further promise comes from the world-class research performed at Rensselaer Polytechnic Institute which shows that if all of the world's light sources were replaced with LEDs for a period of 10 years, the impact would produce a 10.68 gigaton reduction in carbon dioxide emissions and a savings of US\$1.83 trillion in energy costs.\*\*

Augmenting their eco-friendly appeal, LED sources do not contain mercury, the neurotoxin found in fluorescent lamps. Furthermore, using less energy to meet our lighting needs reduces the amount of mercury emissions produced by coal-fired power plants.

## VERSATILE

Not only is LED illumination more efficient than incumbent light sources such as incandescent and compact fluorescent, it is also more durable, more compact, cooler, and longer-lasting, making it the perfect choice for applications where the conventional lighting limitations are problematic.

## ECONOMICAL

While one might take pause at the initial investment in LED lighting, its exponentially longer useful life and lower maintenance requirements offer substantial savings in energy, replacement, and labor costs which return on their investment in a short timeframe.

\* US Department of Energy Buildings Technology Program

\*\* Jong Kyu Kim and E. Fred Schubert, "Transcending the replacement paradigm of solid-state lighting," *Opt. Express* 16, 21835-21842 (2008)



## EcoSpec Linear INT

EcoSpec Linear INT is a powerful, versatile indoor linear white light luminaire. Its flicker-free dimming capabilities make it suitable for all interior architectural, retail, exhibit, and display applications. Utilizing years of lighting experience, this robust, aluminum-frame luminaire features powerful, energy efficient LEDs and precision constant-current circuits for long-life applications.

With smart power technology, EcoSpec Linear INT connects directly to AC power, simplifying installation and minimizing costs. What's more, the option of the 4 foot length further eases installation. These cool-to-the-touch luminaires quickly pay for themselves in energy savings and provide substantial savings over the 50,000 hour life of the lamp.

- Dimmable
- Flicker-free
- 1 ft and 4 ft Lengths
- 4 ft Length Eases Installation
- In-line Connection
- Integral Drivers
- Long Life
- Instant On
- Lead Free
- Mercury Free
- No UV
- RoHS Compliant





## EcoSpec Linear HP INT

EcoSpec Linear HP INT is an ultra-bright indoor linear white light luminaire. Brighter than fluorescent tubes, these flicker-free dimmable luminaires offer an earth-friendly, mercury-free cove solution. Utilizing years of lighting experience, this robust aluminum-frame luminaire features powerful energy efficient LEDs and precision constant-current circuits for long-life applications.

With smart power technology, EcoSpec Linear HP INT connects directly to AC power, simplifying installation and minimizing costs. What's more, the option of the 4 foot length further eases installation. These long-life luminaires quickly pay for themselves in energy savings and replacement costs, and provide substantial savings over the 50,000 hour life of the lamp.

- 2x brighter than Linear INT
- Dimmable
- Flicker-free
- 1 ft and 4 ft Lengths
- 4 ft Length Eases Installation
- Available in 60° and 120° beam angles
- In-line Connection
- Integral Drivers
- Long Life
- Instant On
- Lead Free
- Mercury Free
- No UV
- RoHS Compliant



## EcoSpec Linear HP EXT

EcoSpec Linear HP EXT is an ultra-bright exterior linear white light luminaire. Brighter than fluorescent tubes, these flicker-free dimmable fixtures offer an earth-friendly, mercury free cove solution. Leveraging years of lighting experience, this robust aluminum frame luminaire features powerful, energy efficient LEDs and precision constant current circuits for long-life applications.

With smart power technology, EcoSpec Linear HP EXT connects directly to AC power; simplifying installation and minimizing costs. These long-life luminaires quickly pay for themselves in energy savings and maintenance costs, providing substantial savings over the 50,000 hour life of the lamp.

- Dimmable
- Flicker-free
- In-line Connection
- Integral Drivers
- Long Life
- Instant On
- Lead Free
- Mercury Free
- No UV
- RoHS Compliant





## EcoSpec Linear HP INT Wall Wash

EcoSpec Linear HP INT Wall Wash is an ultra-bright interior linear white light luminaire. Brighter than fluorescent tubes, these luminaires offer an earth-friendly, mercury-free cove solution and they are flicker-free and dimmable with ELV dimmers. Leveraging EcoSense designers' years of lighting experience, this robust aluminum-frame fixture features powerful energy efficient LEDs and precision constant-current circuits for long-life applications.

With smart power technology, EcoSpec Linear HP INT Wall Wash connects directly to AC power simplifying installation and minimizing costs. These long-life fixtures quickly pay for themselves in energy savings and replacement costs, and provide substantial savings over the 50,000 hour life of the lamp.

- Dimmable
- Flicker-free
- 1 ft and 4 ft Lengths
- Available in 6° x 6°, 10° x 60°, 17° x 35° and 30° x 60° beam angles
- In-line Connection
- Integral Drivers
- Long Life
- Instant On
- Lead Free
- Mercury Free
- No UV
- RoHS Compliant





## EcoSpec Linear HP EXT Wall Wash

EcoSpec Linear HP EXT Wall Wash is an ultra-bright exterior linear white light luminaire. Brighter than fluorescent tubes, these flicker-free dimmable fixtures offer an earth-friendly, mercury free cove solution. Leveraging years of lighting experience, this robust aluminum frame fixture features powerful, energy efficient LEDs and precision constant current circuits for long-life applications.

With smart power technology, EcoSpec Linear HP EXT Wall Wash connects directly to AC power; simplifying installation and minimizing costs. These long-life luminaires quickly pay for themselves in energy savings and maintenance costs, providing substantial savings over the 50,000 hour life of the lamp.

- Dimmable
- Flicker-free
- 1 ft, 2 ft, 3 ft and 4 ft Lengths
- Available in 6° x 6°, 10° x 60°, 17° x 35° and 30° x 60° beam angles
- In-line Connection
- Integral Drivers
- Long Life
- Instant On
- Lead Free
- Mercury Free
- No UV
- RoHS Compliant



## EcoSpec Floodlight Wash

EcoSpec Floodlight Wash is an ultra-bright indoor/outdoor white light architectural floodlight luminaire. These flicker-free dimmable fixtures offer an earth-friendly, mercury free floodlight or spotlight solution. This robust cast aluminum luminaire features powerful, energy efficient LEDs and precision constant current circuits for long-life applications. The advanced leading edge driver is able to be dimmed through line voltage incandescent dimmers.

Floodlight Wash utilizes a Gore valve for moisture control within the luminaire. Its optical lenses are field interchangeable accessories, and it has a full range of glare control. Vertical aiming achieves a full 180° rotation, and offers easy, ergonomic locking. With smart power technology, EcoSpec Floodlight Wash connects directly to AC power, simplifying installation and minimizing costs. These long-life luminaire quickly pay for themselves in energy savings and maintenance costs, providing substantial savings over the 50,000 hour life of the lamp.

- Dimmable using Incandescent, TRIAC and ELV dimmers
- Flicker-free
- Flexible Aiming
- Available in 11° x 11°, 30° x 30°, 60° x 60°, 80° x 80° and 10° x 60° beam angles
- 190° Vertical Aiming
- Integral Drivers
- Long Life
- Instant On
- Lead Free
- Mercury Free
- No UV
- IP66
- RoHS Compliant





## EcoSpec Landscape Mini-Flood

EcoSpec Landscape Mini-Flood is an indoor/outdoor, flexible, wash light luminaire ideal for lighting pathways, stairways, halls and entrances. Neutral white and warm white color temperatures bring focus and drama to any landscape or architectural point of interest. Compact size and beam angles of 45° and 90° offer flexibility for a wide variety of projects.

These low-maintenance, long-life LED products quickly pay for themselves in maintenance and energy savings and provide substantial savings over the 50,000 hour life of the lamp.

- Flicker-free
- Flexible Aiming
- Available in 45° and 90° beam angles
- Integral Drivers
- Long Life
- Instant On
- Lead Free
- Mercury Free
- No UV
- IP66
- RoHS Compliant



## EcoSpec Landscape Accent

EcoSpec Landscape Accent is a flexible accent luminaire ideal for creating a variety of warm or neutral white light effects indoors and out. Add interest or draw attention to any attribute with a 22° beam angle.

EcoSpec Landscape Accent luminaires are RoHS compliant, and are free of lead and mercury. Available in both line voltage and 12 volt AC/DC models, these long-life, low-maintenance LED luminaires quickly pay for themselves in energy savings and maintenance, and provide substantial savings over the 50,000 hour life of the luminaire.

- Flicker-free
- Flexible Aiming
- Integral Drivers
- Long Life
- Instant On
- Lead Free
- Mercury Free
- No UV
- IP65
- RoHS Compliant



# EcoSpec Luminaires

	INDOOR	OUTDOOR	DIMMABLE	FLEXIBLE AIMING LENGTHS	BEAM ANGLE	DIMMERS	LUMENS (@27K / @40K)	WATTAGE	VOLTAGE	CONNECTION	HOUSING COLORS	PAGE NUMBER
EcoSpec Linear INT	•	•		1', 4'	120° x 120°	ELV	251 / 299	5.3w/LF	120V, 220V	In-line	Anodized Clear AL	3
EcoSpec Linear HP INT	•	•		1', 4'	60° x 120° 120° x 120°	ELV	570 / 655	12w/LF	120V, 220V	In-line	Anodized Clear AL	4
EcoSpec Linear HP EXT		•	•	2', 3', 4'	60° x 120° 120° x 120°	ELV	570 / 655	12w/LF	120V, 220V	In-line	Anodized Clear AL	5
EcoSpec Linear HP INT Wall Wash	•	•		1', 4'	6° x 6° 10° x 60° 17° x 35° 30° x 60°	ELV	605 / 705	17.5w/LF	120V, 220V	In-line	Anodized Clear AL	6
EcoSpec Linear HP EXT Wall Wash		•	•	1', 2', 3', 4'	6° x 6° 10° x 60° 17° x 35° 30° x 60°	ELV	605 / 705	17.5w/LF	120V, 220V	In-line	Anodized Clear AL	7
EcoSpec Floodlight Wash	•	•	•	•	N/A 11° x 11° 30° x 30° 60° x 60° 80° x 80° 10° x 60°	Incandescent TRIAC / ELV	1800 (est.)	50w	120V, 220V	4" dia Canopy w/ Flying Lead	White, Black	8
EcoSpec Landscape Mini-Flood	•	•		•	N/A 45°, 90°	N/A	491 / 550	12w	120V, 220V	1/2" NPT w/ Flying Lead	White, Black	9
EcoSpec Landscape Accent	•	•		•	N/A 22°	N/A	240 / 275	6.4w	120V, 220V, 12volt AC/DC	1/2" NPT w/ Flying Lead	White, Black	10

# The Many Reasons to Specify Ecosense Lighting

With the emergence of LED illumination as a viable alternative to conventional lighting comes the proliferation of many companies offering LED lighting solutions. So how is one to know which company's products are the best choice to specify? At EcoSense Lighting, we believe the know-how of our long-serving LED lighting industry veterans, our exacting performance and environmental standards, and our best-in-class warranty provide the answer.

## THE ECOSENSE LIGHTING PLEDGE

EcoSense designs its products to be brighter, more efficient, and more economically-priced than similar LED-based products on the market. As a replacement for conventional light sources, they more than pay for themselves in energy savings, maintenance and replacement costs over their 50,000 hour usage life. Our high-quality luminaires are designed by lighting designers for the lighting design community, ensuring that they meet the technical requirements of the most demanding projects. Furthermore, we back our pledge with a 3 year manufacturer's warranty on all of our products.

EcoSense Lighting exemplifies the term "been there, done that." Although EcoSense was launched in 2008, we are a team of long-serving LED lighting industry veterans with proven know-how in the development and best-practice application of LED illumination. EcoSense founder George Mueller helped propel the widespread cross-market adoption of LEDs as an illumination source with the creation of Color Kinetics in 1996. With EcoSense, he now leads our seasoned management, engineering, product development, and sales teams who are well-versed in the challenges of lighting specification and design because we've been solving these challenges for years.

In the rush to bring LED products to market, many LED lighting manufacturers' products fall short as these manufacturers do not understand the engineering nuances nor the real-world challenges that exist in creating high performing LED lighting solutions that will live up to their promise. In fact, this gold rush mentality has lead some to call into question the credibility of LED lighting. Improperly designed LED products will fail to meet environmental and lifespan expectations. EcoSense products go through extensive reliability testing for IP/outdoor rating and temperature monitoring to ensure they gain a specifier's trust.

At EcoSense, we stand behind our products and we're willing to "put our money where our mouth is" with an unprecedented three year warranty on all of our specification-grade products.

**PRIVATE RESIDENCE**

St. Charles, IL, USA

LD/ARCHITECT

LED Source

ECOSENSE PRODUCTS USED

EcoSpec Mini-Flood

PHOTO CREDIT

LouMan



**RED ROOSTER**

New York, NY, USA

LD/ARCHITECT

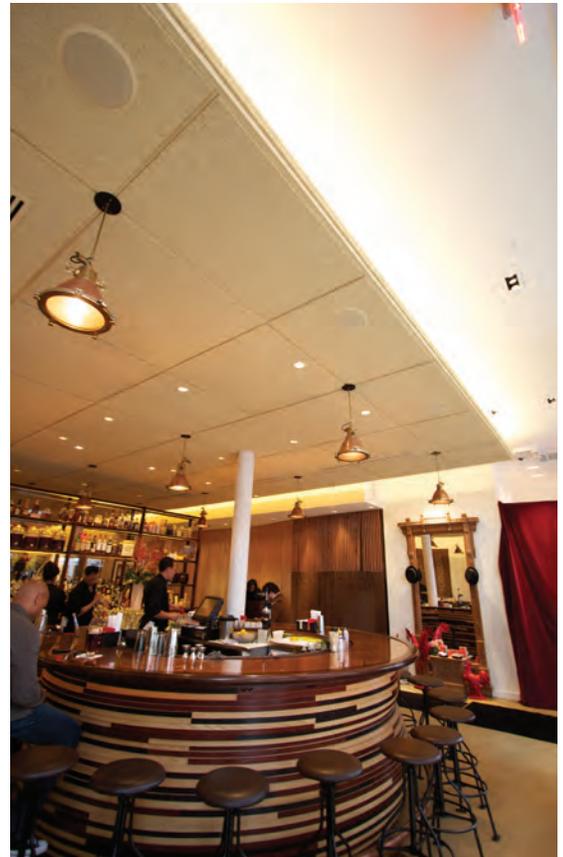
Zero Lux Lighting Design

ECOSENSE PRODUCTS USED

EcoSpec Linear INT

PHOTO CREDIT

Chris Vlaun



**NORTH SHORE MEDICAL GROUP**

New York, NY, USA

LD/ARCHITECT

John DiAmicas, Zero Lux Lighting Design

ECOSENSE PRODUCTS USED

EcoSpec Linear INT

PHOTO CREDIT

Chris Vlaun

# ECOSENSE®

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