

## LUSIO ESSENTIALS™ BAY SERIES



**ENERGY EFFICIENT LED FIXTURES  
FOR COMMERCIAL & INDUSTRIAL APPLICATIONS**

**HIGH OUTPUT • HIGH EFFICACY • HIGH LUMENS PER DOLLAR**

**Lusio**  
SOLID-STATE LIGHTING  
[www.LusioLighting.com](http://www.LusioLighting.com)

*Engineering Tomorrow's Lighting Today*

# High Lumens Per

LUSIO ESSENTIALS™ BAY SERIES

## High lumen output LED fixtures with economically designed housings for cost-conscious applications

- Five low-profile models for use in dry/damp locations (IP 30)
- Highly energy efficient alternative to traditional HID and fluorescent fixtures
- 70,000-hour minimum L70 lifetimes with extremely low maintenance costs
- No mercury disposal costs or bulb storage required
- Control with third party dimmers and building control systems
- Solutions for various applications including warehouses, laboratories, data centers, manufacturing facilities, and many other commercial and industrial spaces!



### Superior LEDs

Built with superior quality, tightly binned LEDs with high junction temperatures, Lusio Essentials Bay fixtures deliver high light output, low wattage, and fast pay-back periods.

### Mounting Options

Install Lusio Essentials Bay fixtures with suspension cables, rigid stem, or surface mount options.

### Voltages

Lusio Essentials Bay fixtures support 120v, 277v, 347v, and 480v inputs.

### Low Maintenance

Lusio Essentials Bay fixtures require virtually no maintenance. LED modules and power supplies are easily field replaceable if needed.

### Qual

Each fixture has a low profile housing with integrated, stable

# er Dollar

## 7-YEAR WARRANTY ON ALL LUSIO SSL FIXTURES

The **2-Module** fixture (LW-LUSIO-ES-BAY-2M) features a linear 1x4-ft housing and is a great energy-saving alternative to 4 lamp T5HO fluorescent and 250 Watt metal halide fixtures.



	4000K (nominal)	5000K (nominal)
<b>Lumens</b>	11,380 lms	11,960 lms
<b>Wattage</b>	123W	116W
<b>Efficacy</b>	92.5 lm/W	103.1 lm/W

The **4-Module** fixture (LW-LUSIO-ES-BAY-4M) delivers comparable light output to a 400W metal halide or 6-lamp T5HO fluorescent high bay with a 35-50% savings in energy costs!



	4000K (nominal)	5000K (nominal)
<b>Lumens</b>	22,680 lms	23,950 lms
<b>Wattage</b>	245W	233W
<b>Efficacy</b>	92.6 lm/W	102.8 lm/W

The **6-Module** fixture (LW-LUSIO-ES-BAY-6M) is a powerhouse of a fixture at nearly 36,000 lumens and ideal for large spaces with tall ceilings or where high footcandle levels are required.



	4000K (nominal)	5000K (nominal)
<b>Lumens</b>	34,050 lms	35,900 lms
<b>Wattage</b>	370W	350W
<b>Efficacy</b>	92.0 lm/W	102.6 lm/W

The **2-Module Short** fixture (LW-LUSIO-ES-BAY-2MS) is equivalent in light output to a 2-lamp T5HO fluorescent fixture but draws 40% less watts so you can meet strict energy codes and IES recommended illuminance levels.



	4000K (nominal)	5000K (nominal)
<b>Lumens</b>	5,487 lms	5,637 lms
<b>Wattage</b>	61.92W	60.51W
<b>Efficacy</b>	88.6 lm/W	93.2 lm/W

The **4-Module Short** fixture (LW-LUSIO-ES-BAY-4MS) has a 2x2-ft housing and is a highly energy efficient alternative to 4 lamp T5HO fluorescent and 250 Watt metal halide fixtures.



	4000K (nominal)	5000K (nominal)
<b>Lumens</b>	10,710 lms	11,280 lms
<b>Wattage</b>	120.4W	116.5W
<b>Efficacy</b>	89.0 lm/W	96.8 lm/W

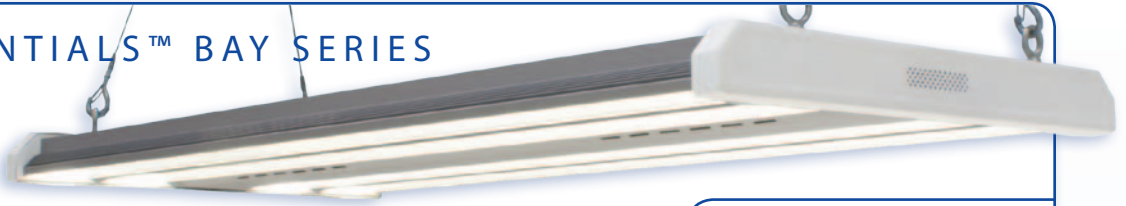
**Energy Efficiency**  
Lusio Essentials Bay fixtures feature efficacies as high as 103 lm/W. Lower energy usage even more with controls. Multi-level switching is standard on the 4 and 6 module fixtures for an inexpensive stepped dimming option.

**Cool Operating**  
Thermal management features prevent fixtures and surrounding areas from heat buildup, saving money on cooling costs and protecting LED lifetimes.

**Pleasing Lighting**  
Lusio Essentials Bay fixtures provide wide distributions and excellent fixture-to-fixture spacing in either 4000K or 5000K color temperatures.

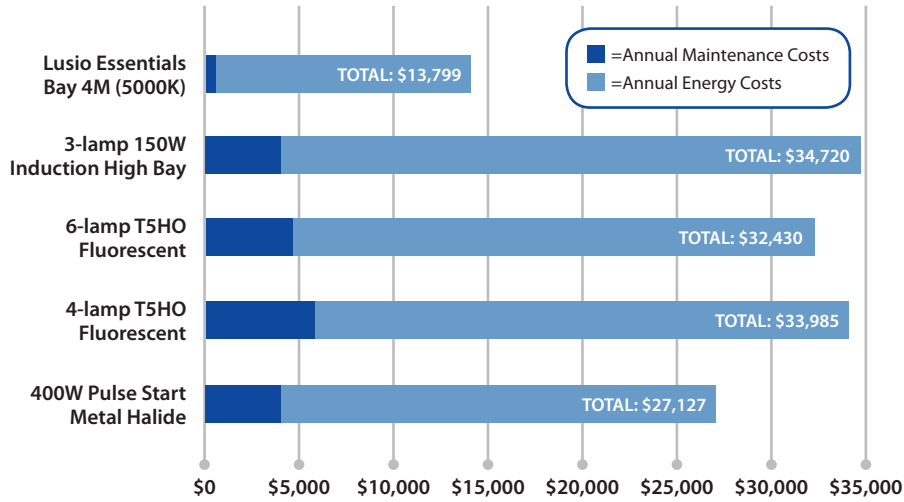
**Quality Construction**  
Fixture features sleek low-profile housings complete with coated optical grade, UV stabilized clear lenses.

# LUSIO ESSENTIALS™ BAY SERIES



## Annual Costs Comparison

4-Module Essentials™ Bay Fixture (LW-LUSIO-ES-BAY-4M-CW) vs. Traditional Lighting Sources



Annual Operating Hours: 4,380 hours (12 hrs/day). Utility Rate: \$0.11. Room Size: 200x200x30 ft. Light Levels: 50 average footcandles at 0'-0" AFF. Reflectances: 50/30/20.

## Low Ownership Costs and Short Payback Periods

Lusio Essentials™ Bay Series fixtures were designed and developed with value in mind.

The total cost of ownership of a Lusio Essentials Bay fixture can be half that of a T5HO or T8 fluorescent and a third of an HID high bay fixture. Payback periods are typically less than 18 months when compared to HID systems and less than 3 years when compared to fluorescent high bays.

Consult your Lusio Solid State Lighting sales expert for more information.

## REACH YOUR ENERGY SAVINGS GOALS!

### LED Lighting Solutions for Virtually Any Application

From warehouses and manufacturing facilities to educational environments, data centers, and retail showrooms, Lusio Solid-State Lighting has engineered a comprehensive family of products to fit your project requirements.

With the Lusio Essentials Bay Series, we provide solutions for any commercial and industrial application, including those where budget is a driving factor.

Our light weight, high lumen output Essential Bay fixtures are a cost effective, energy saving alternative to T5HO and HID fixtures.

	HID	Fluorescent	Lusio
Fully Controllable & Dimmable			✓
Advanced Thermal Management			✓
Low Watts		✓	✓
High Lumens	✓	✓	✓
Low Maintenance			✓
No Bulb Disposal/Storage			✓
Optical Sophistication			✓
Solid R.O.I. & Fast Paybacks		✓	✓



### See [www.LusioLighting.com](http://www.LusioLighting.com) for More Information!

- Data sheets and CAD drawings
- LM79 IES files
- Installation information
- Payback calculator
- Footcandle estimators
- [www.lusiolighting.com/social](http://www.lusiolighting.com/social)



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