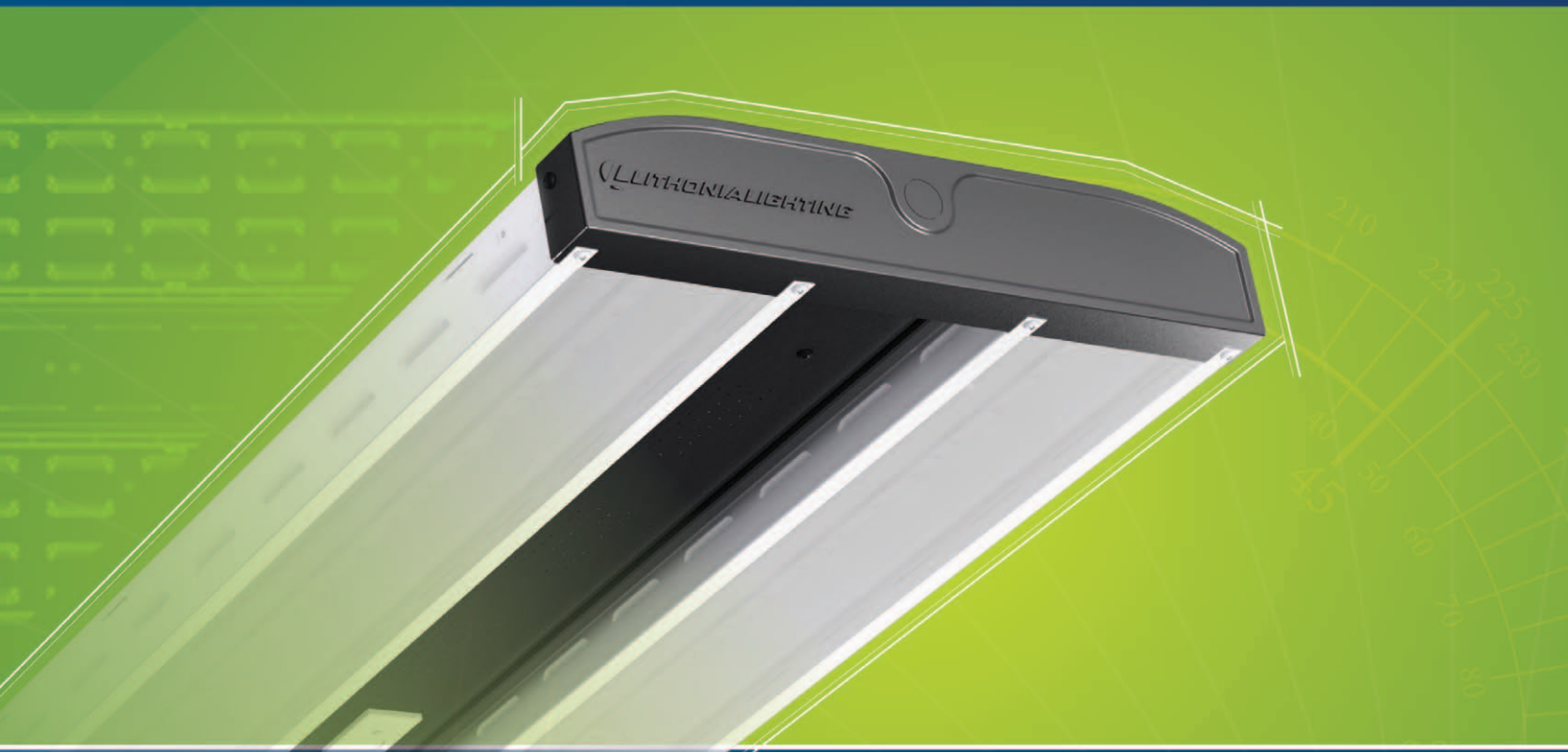


T-BEAM[®] LED



THE TOP CHOICE FOR YOUR BOTTOM LINE

High-Performance LEDs

Quick ROI

Controls Friendly

Significant Energy Savings

Long, Reliable Life

Reduced Maintenance

Highly Configurable

 LITHONIA LIGHTING[®]

THE TOP CHOICE FOR GENERATIONS



For more than 60 years, Lithonia Lighting has delivered high-quality, reliable lighting solutions to an ever-changing market. We have leveraged this experience to develop innovative lighting technologies that meet growing consumer demands for efficiency, reliability, positive environmental impact and customization.

Lithonia Lighting products deliver peak performance, exceptional aesthetics, simple installation and easy maintenance. As a result, our products are among the most preferred on the market.

Since its launch in 2005, the I-BEAM® system has likewise become the most widely used and specified high bay in the industry, offering energy savings, value and performance that cannot be matched by traditional HID lighting.

Now, with the introduction of our I-BEAM LED fixture, the marketplace also has an affordable alternative to fluorescent high bay lighting.



THE MOST AFFORDABLE LED HIGH BAY ON THE MARKET

Isn't it time you got more bang for your buck?

The energy-efficient I-BEAM LED fixture was specifically designed to give you an extremely affordable LED solution that is a one-for-one replacement of fluorescent and HID systems. It pays for itself in as little as two years against fluorescent and pays out dividends for years to come.

The I-BEAM LED is not just affordable—it represents the best of our LED technologies and our most popular high bay product. The result is a high-performance, quality, configurable LED luminaire that is ideal for a wide range of high bay applications.

I-BEAM LED FEATURES

- Quick return on investment
- Better illumination
- Long, reliable life
- Significant energy savings

TYPICAL APPLICATIONS

Ideal for large indoor spaces with mounting heights ranging from 15'-40' and ambient temperatures up to 131°F (55°C). Common applications include warehousing, manufacturing and gymnasiums.

THE TOP CHOICE



ADVANCED OPTICS

Narrow and wide distributions available to meet Design Lights Consortium (DLC) requirements. Reflectors feature precision-formed optics utilizing premium materials.

EMERGENCY BATTERY PACK

Optional factory-installed emergency battery pack in the center channel will provide 1500 lumens (nominal) for a minimum of 90 minutes.

DIMMING

Drivers come standard with 0-10V dimming leads capable of variable dimming down to 10%.

FINISHES

Standard fixture is two-toned with a white body and textured dark gray channel and end caps. An all-white version is optional.

GLARE CONTROL

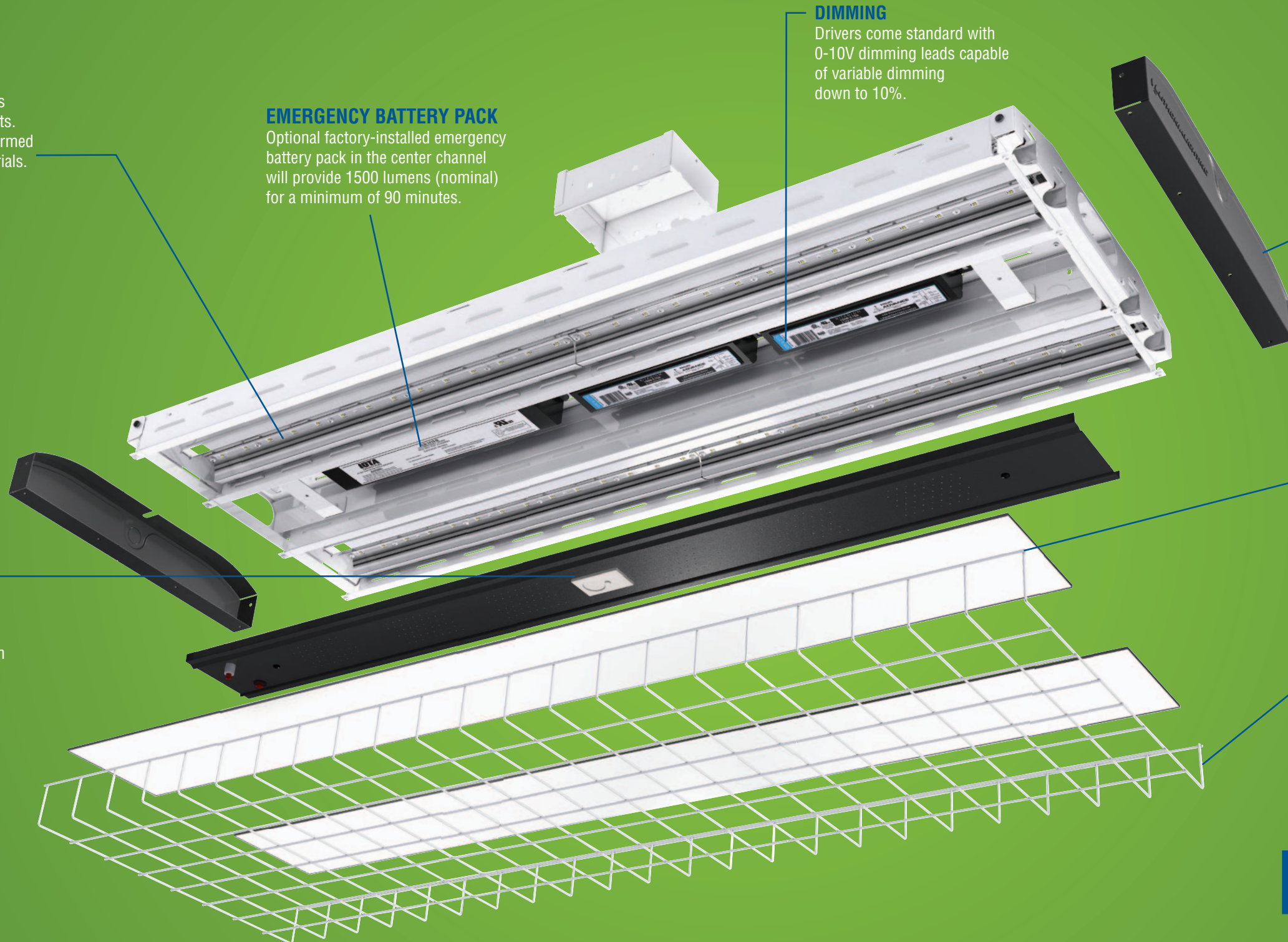
A semi-diffuse acrylic lens is available to cover the emitters and reflectors. Factory- or field-installed.

CONTROLS

Fixture can be equipped with an occupancy sensor, photocell, nLight® or nWiFi™. Devices are factory-installed and require minimal labor to set up during fixture installation.

WIRE GUARD

Optional wire guard protects fixture from environmental hazards. Factory- or field-installed.



FOR YOUR BOTTOM LINE



UNMATCHED CONFIGURABILITY

The I-BEAM LED fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.



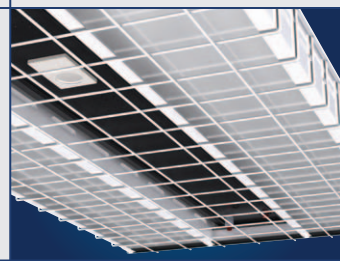
REFLECTORS

Wide distribution is formed with 93% reflective white paint. Narrow distribution is formed with Alanod® MIRO®.



INTEGRATED ELECTRICAL OPTIONS

Channel sized to accept emergency components, surge protector, fusing and embedded sensors.



WIRE GUARD (external)

Field- or factory-installed. Protects light engine from impact. Mounting hardware included.



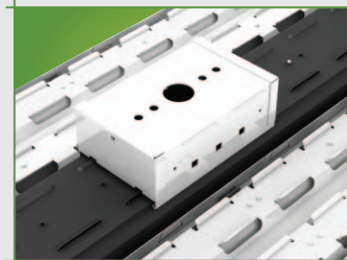
DIFFUSER

Field- or factory-installed. Available in semi-diffuse acrylic. Mounting hardware included.



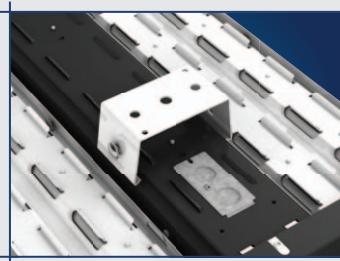
EMBEDDED OCCUPANCY SENSOR

Can be placed in the channel cover which reduces the risk of sensor damage compared to non-embedded sensors.



PENDANT MONOPOINT BRACKET

Accepts 3/4" rigid conduit for single-point mounting. The bracket can be adjusted to help counterbalance fixture to offset weight variance from end to end.



SURFACE MOUNT BRACKET

Rigidly attach I-BEAM LED to a hard ceiling. Can be placed anywhere along fixture.



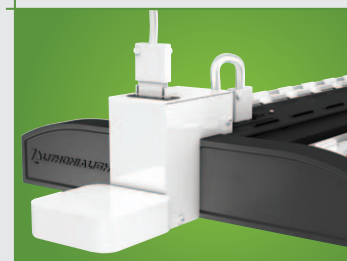
HANGERS

Several lengths of aircraft cables and chains available; with or without V-hooks.



CORD SETS

Available in several lengths with or without molded plug. White is standard.



INTEGRATED MODULAR PLUG (IMP)

Must be factory-installed and allows for field installation of various modular accessories including cordsets, motion sensors, photocells and LC&D X-point™ relays.

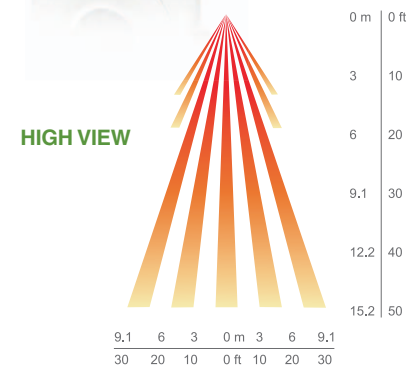
SENSORS & CONTROLS

Sensors are an excellent way to maximize the return on your high bay lighting investment. I-BEAM LED fixtures can be equipped with an occupancy sensor, photocell, nLight® or nWiFi™. These devices are factory-installed and require minimal labor to set up during fixture installation.

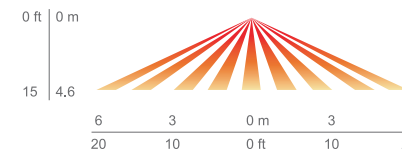


MSI360

360° Lens



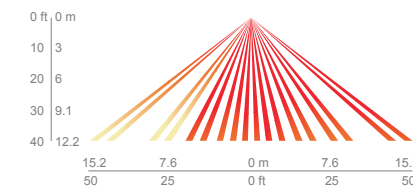
LOW VIEW



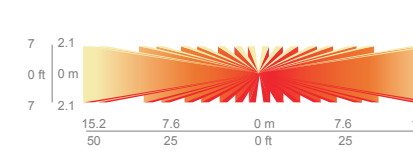
MSI

Aisleway Lens

SIDE VIEW



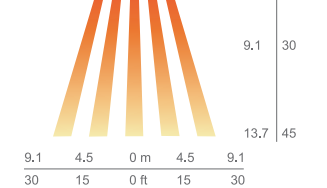
TOP VIEW



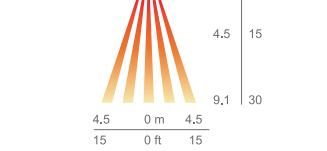
MSE360

Embedded 360° Lens

HIGH VIEW



LOW VIEW



MSI360: The Sensor Switch CMRB 6 open-area sensor has 360° coverage and can be integrated with a photocell (PE) for further energy savings.

Mounting Location: End Plate

- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture

MSI: The Sensor Switch CMRB 50 aisleway sensor offers a dedicated sensor and extended range, compared to competitive products.

Mounting Location: End Plate

- Provides 50° bi-directional and 10° wide coverage pattern
- 1.2x mounting height equals approximate detection range in either direction
- Sensor lens turret rotates 90° in order to easily adjust the direction of the view pattern

MSE360: The Sensor Switch SFR 5 open-area sensor is embedded in the fixture, making it less intrusive than traditional sensors.

Mounting Location: Center Channel

- Recommended for fixtures that have a 1.0 spacing-to-mounting height ratio or less
- Use provided masking kit to mask off a portion of the view pattern for end-of-aisle applications or, to trim sensor's side viewing to create a rectangular pattern for center-of-aisle viewing only.

All I-BEAM LED fixtures can be equipped with nLight. nLight is an exclusive and revolutionary system that cost-effectively combines time-based and sensor-based lighting controls. The digital interface allows for quick, easy modifications to time delays, photocell sensitivity and light levels at the individual fixture level.

nWiFi for nLight adds conventional WiFi technology to nLight devices, such as occupancy sensors and relays, enabling them to seamlessly communicate with both wired and wireless nLight lighting control zones. This powerful new nLight technology further simplifies installation and reduces hardware costs.



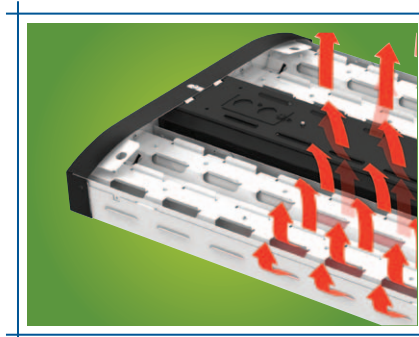
PERFORMANCE YOU CAN TRUST

ELECTRICAL

Lithonia Lighting has partnered with Philips Lighting to bring you a state-of-the-art electrical system. I-BEAM LED is powered by a >90% efficient Class 1 Philips Advance driver achieving an advantage over comparable Class 2 systems. At the heart of this innovation is a multi-layer printed circuit board in which the power is enclosed allowing direct contact with the heat sinks.

PHILIPS
ADVANCE

Quality LED Drivers



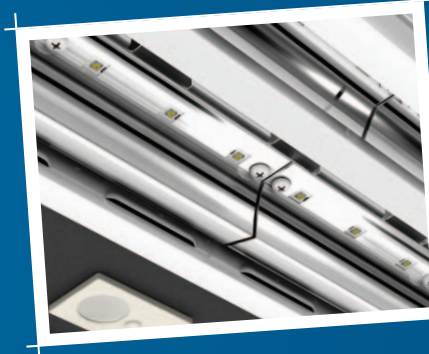
THERMAL MANAGEMENT

The I-BEAM LED intelligently blends conduction and natural convection to maximize cooling and reduce weight. Heat is transferred into the reflectors from the face of the printed circuit board and into the fins from the base of the circuit board. All finned components are oriented to maximize buoyant convection. The design and placement of all surfaces and heat-generating parts were optimized using computational fluid dynamics. Rated for up to 131°F (55°C) ambient at full power.



MECHANICAL

I-BEAM LED is fabricated with a mixture of steel and aluminum components resulting in a rigid assembly with an average weight of 15 pounds. Rigidity comes from the use of thread-forming fasteners to attach all interlocking components. The chassis is corrugated with an external flange that resists deformation through handling. The channel is captured by both end frames which significantly reduces bowing and twisting.



OPTICAL

I-BEAM LED is assembled with die-formed reflectors for precise horizontal and vertical control. Two optical choices ideal for aisles or open spaces with mounting heights from 15' to 40'. Several lumen and distribution packages are offered on a one-for-one performance replacement of fluorescent and HID high bay lighting. Meets Design Lights (DLC) requirements for *High Bay and Low Bay Fixtures for Commercial and Industrial Buildings and High Bay Aisle Lighting*.

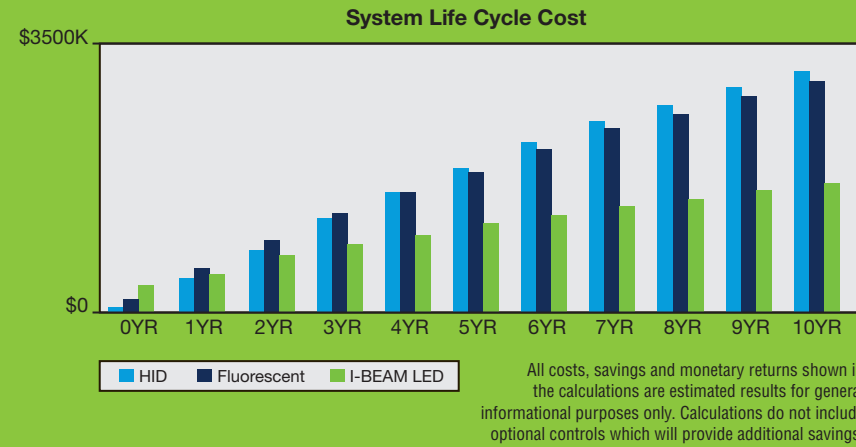
THE BOTTOM LINE

YOUR RETURN ON INVESTMENT

The I-BEAM LED high bay was designed to not only deliver a fast payback, but to achieve a high return on investment by continuing to pay out dividends over the life of the fixture.

To see the total cost of operation for each of the lumen packages, review the bar charts based on 10-year life cycle at 12 hours/day and equivalent footcandles.

Save even more by installing occupancy sensors or photosensors. Local and national rebates may also be available.



	HID	Fluorescent	I-BEAM® LED
Configuration	400W HID	6-lamp 54W T5HO	IBL 24L
Total Wattage	442	374	258
Life Cycle Cost	\$3,297	\$2,961	\$2,273
Energy Cost	\$2,672	\$2,261	\$1,560
Annual Energy Use (kWh)	3,872	3,276	2,260
1st Year Operating Cost	\$464	\$418	\$265
1st Year Operating Savings	--	\$46	\$199
Simple Payback (years)	--	0.02	1.58
Life Cycle Return on Investment	--	79%	114.7%

System Cost	Baseline Cost	Savings Over Baseline	Savings Over Baseline
	Ballast	\$25	-60%
Energy	\$2,672	15%	42%
Disposal	\$8	-238%	50%
HVAC	\$130	15%	42%
Lamps	\$30	-308%	-60%

Sustainability	Baseline Cost	Savings Over Baseline	Savings Over Baseline
	Energy Use (kWh)	38,719	5,957
CO ₂ Emissions (tons CO ₂)	26.70	4.11	11.11
SO ₂ Emissions (tons SO ₂)	0.10	0.01	0.04
NO _x Emissions (tons NO _x)	0.00	0.00	0.00
Equivalent CO ₂ Emissions			
Annual Energy (homes)	2.32	Trees Planted (seedlings)	105.44
Annual Exhaust (cars)	5.23	Pine Forest (acres)	0.88

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative. **Example: IBL 18L WD LP740 DLC**

Series	Lumens	Distribution	Lens	Voltage	Color temperature
IBL	9L 9,000 lumens	WD Wide	(blank) No shielding	(blank) MVOLT; 120-277V	LP740 DLC 70 CRI, 4000K CCT (12L, 18L and 24L only) ³
	12L 12,000 lumens	ND Narrow	SD125 Semi-diffuse acrylic	HVOLT 347V-480V	LP750 DLC 70 CRI, 5000K CCT (12L, 18L and 24L only) ³
	18L 18,000 lumens ¹			120 120V	LP740 70 CRI, 4000K CCT (9L only)
	24L 24,000 lumens ²			277 277V	LP750 70 CRI, 5000K CCT (9L only)
Options					Finish
GLR	Internal fast-blow fuse ^{4,5}	Cord sets:	Motion sensors (FB3 mounting bracket NOT required):		(blank) Gloss white with textured dark gray accents
GMF	Internal slow-blow fuse ^{4,5}	CS1W Straight plug, 120V ^{9,10}	MSE360 360° motion sensor embedded, high bay ¹¹		DWH Gloss white
OUTCTR	Wiring leads pulled through back center of fixture	CS3W Twist-lock, 120V ^{9,10}	MSE360LB 360° motion sensor embedded, low bay ¹¹		
OCS	RELOC® OnePass® 5' installed ⁴	CS7W Straight plug, 277V ^{9,10}	MSIPED Aisle motion sensor, photocell, pre-wired ¹¹		
IMP	Integrated modular plug ^{6,7}	CS11W Twist-lock, 277V ^{9,10}	MSI360PED 360° motion sensor, photocell, pre-wired ¹¹		
I2412	IOTA emergency LED battery pack for 32°F to 104°F (0°C to 40°C) ambient ⁸	CS25W Twist-lock, 347V ^{9,10}	MSI Aisle motion sensor, pre-wired ¹²		
SPD	Surge protector	CS97W Twist-lock, 480V ^{9,10}	MSI360 360° motion sensor, pre-wired ¹²		
WGX	Standard wire guard, installed	CS93W 600V 50 white cord, no plug (no voltage required) ^{9,10}	MSID Aisle motion sensor, pre-wired, automatic dimming control ¹²		
			MSI360D 360° motion sensor, pre-wired, automatic dimming control ¹¹		
			NMSI nLight, aisle motion sensor, pre-wired ¹²		
			NMSI360 nLight enabled, 360° motion sensor, pre-wired ¹²		
			NEPP5D nLight power pack with switching and dimming ¹³		

Accessories: Order as separate catalog number.

Mounting:	Cord sets and sensors for IMP option:	Field-installable door and lens assemblies:
IBAC120 M20 Aircraft cable 10' with hook (one pair)	CS1WIMP Straight plug, 120V ^{4,9,10}	DLIBL SD125 Semi-diffuse acrylic lens
IBAC240 M20 Aircraft cable 20' with hook (one pair)	CS3WIMP Twist-lock, 120V ^{4,9,10}	Wireguards:
IBHMP Hook monopoint	CS7WIMP Straight plug, 277V ^{4,9,10}	WGIBL Standard wire guard
ZACVH Aircraft 10' V hanger (one pair)	CS11WIMP Twist-lock, 277V ^{4,9,10}	
IBLPMP Pendant monopoint splice box, includes side covers	CS25WIMP Twist-lock 347V	
IBLPMPHB Pendant monopoint splice box, includes side covers (3/4" hub)	CS93WIMP 600V 50 white cord, no plug (no voltage required)	
HC36 Hanger chain, 36"	CS97WIMP Twist-lock 480V	
THUN Surface-mount bracket (one pair)	MSIIMP Aisle sensor ^{4,7}	
	MSI360IMP 360° sensor ^{4,7}	



Shown with MIRO® reflectors



Shown with semi-diffuse lens

Notes

- CSA Listed to 55°C.
- CSA Listed to 50°C.
- Meets Design Lights Consortium (DLC) requirements for High Bay and Low Bay Fixtures for Commercial and Industrial Buildings and High Bay Aisle Lighting.
- Specify voltage. Consult factory for Canadian applications.
- Not available with 347 voltage.
- Must be factory-installed.
- Must have "IMP" power cord to power fixture.
- Specify voltage; 120 or 277 only.
- All cord sets are 18/3, 6; white.
- Cord sets are voltage specific. Specify voltage. Other configurations available. Consult factory.
- Specify voltage; 120, 277 or 347 only.
- Specify voltage; 120, 208, 277 or 480.
- Not available with HVOLT.

MORE INDUSTRIAL PRODUCTS

OTHER SOURCES



LED

