

## ExsaBay®XLE

### High Bay LED Luminaire



#### Key Features

- Energy-efficient LED replacement for conventional fluorescent or HID systems.
- Modular design accommodates multiple lumen packages up to 72,150L.
- Suspended, surface, or pendant mounted.
- Industry leading 10-Year warranty.

#### Electrical

- 120-277VAC input.
- 0-10V dimming standard (Mark 7 interface).
- Integrated emergency driver/battery back-up accessory available.
- Operating temperature: -40°C to +50°C (-40°F to +122°F)

#### Mounting

- Suspended and surface mount ready.
- Ships with (2) 40" chains and v-hooks.
- Pendant mounting kit accessory available.

#### Construction

- Housing is fabricated from aluminum for maximum durability and is designed to optimize thermal management.
- Lightweight aluminum heat sink is designed to perform naturally convective cooling.
- Finish is pre-painted white standard.
- Wire guard accessories available.

#### Optics

- Industry leading LEDs with 3500K, 4000K, or 5000K CCT (minimum 80 CRI).
- Lumen Maintenance >172,000 hours (L70) <sup>1</sup>
- Lens optics are designed to output a specialized light distribution for optimal performance in specific applications.

#### Warranty

- Backed by National LED's industry leading 10-year warranty.

Project

Date

Catalog Number

Type

#### Product Performance Summary

Lumen Output	Up to 72,150 lumens
Efficacy	Up to 150 LPW
CRI	≥ 80 CRI
Available CCT	3500K, 4000K or 5000K
Warranty	10-Year Warranty

#### Product Overview

For industrial general area new construction or retrofit applications, National LED's solution is the ExsaBay®XLE family of high bays. The ExsaBay®XLE family is an economical, scalable high bay solution to install and replace existing fluorescent, high pressure sodium and metal halide technologies. The ExsaBay®XLE is designed specifically for open area lighting distribution patterns, providing a variety of lumen packages ranging from 15,150 to 72,150 lumens. The ExsaBay®XLE is intended to be mounted via adjustable cable hangers in a typical mounting height range of 20-70'.

#### Product Applications

- Warehouses
- Industrial Facilities
- Manufacturing Facilities
- Storage Facilities
- Large Open Areas
- Airport Hangars
- Gymnasiums
- Commercial Buildings

#### Product Certifications/Approvals

- ETL Listed for US & Canada.
- Complies with UL 1598 and CSA 22.2
- Suitable for damp locations.
- DLC Premium Listed.
- RoHS compliant



#### Ordering Information

Example: **EBXLE1-1-UNVL-45-50-C-Y-Y**

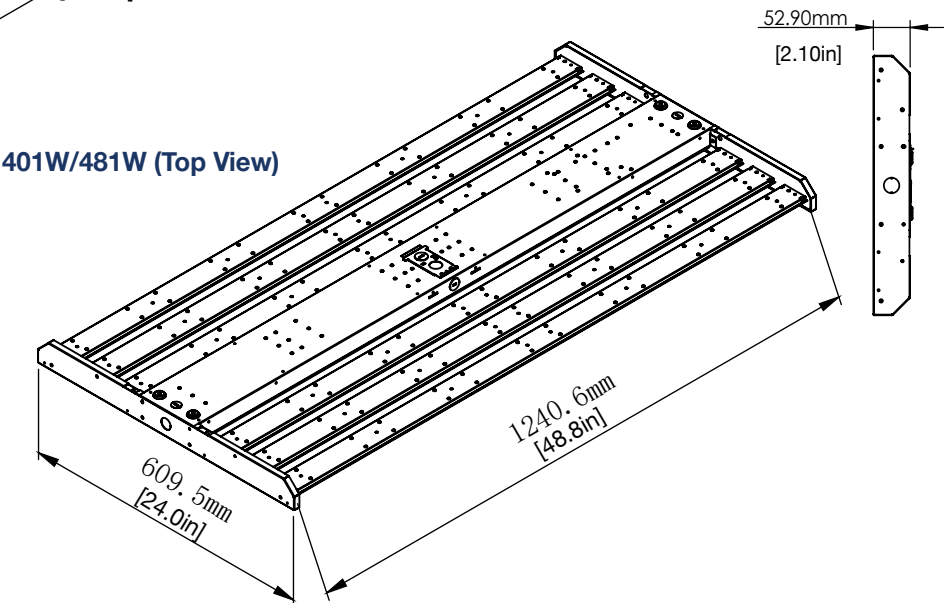
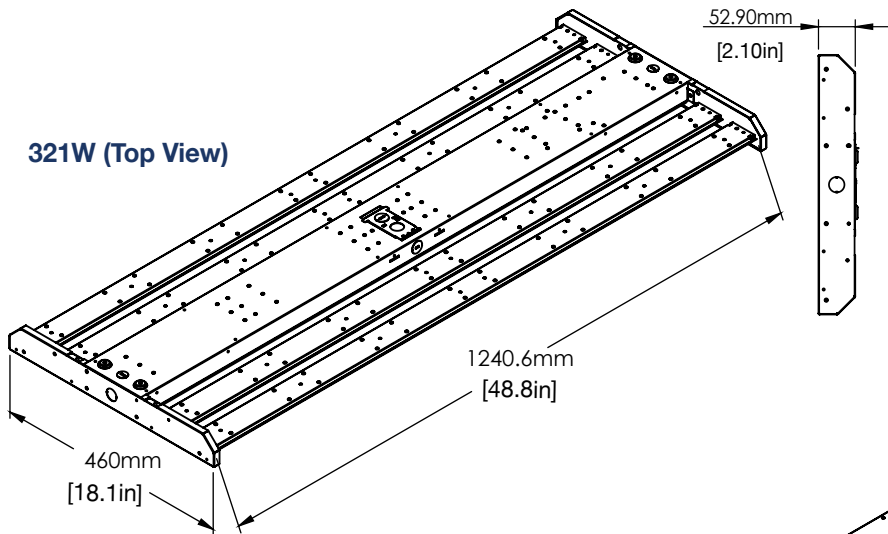
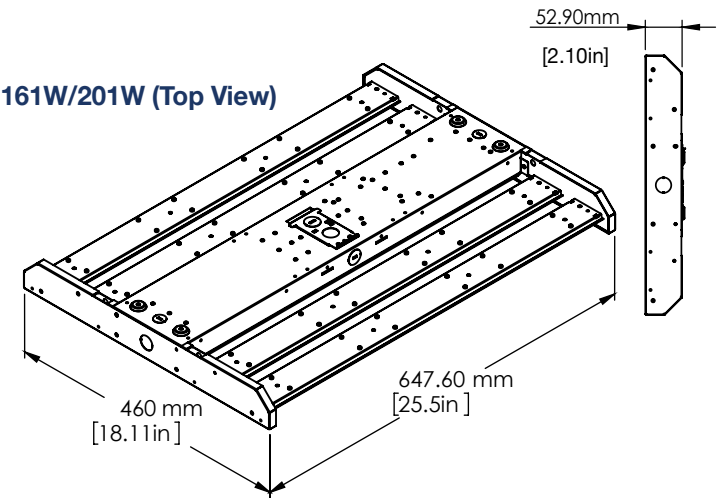
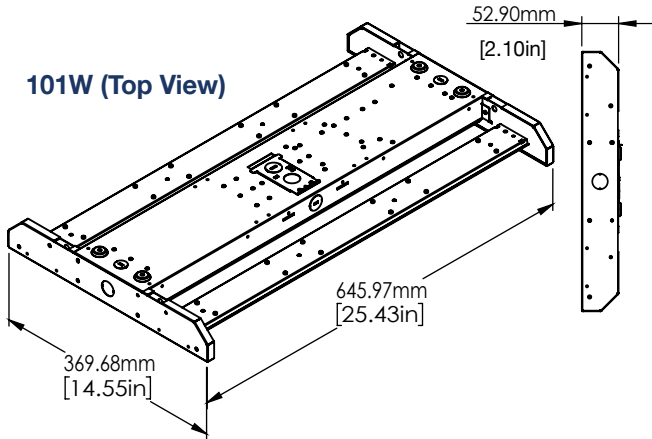
EBXLE1							
Series	Variant	Input Voltage	Optics	CCT	Power	Sensor	Battery Backup
1	Standard	UNVL	120-277V	45 45°	30 3500K	C 101W	Y Yes
			90 90°	40 4000K	E 161W	N No	Y Yes <sup>2</sup>
				50 5000K	F 201W		
					H 321W		
					J 401W		
					K 481W		

1. Product 'Lifetimes' refer only to the LED light engine, not the power source, and are based on the Illuminating Engineering Society's TM21 Projected Lumen Maintenance methodology at a 25° C / 77° F ambient temperature. The lifetimes are solely meant to be a guide for expected LED degradation and not a warranty or predictive of their actual life, which can be affected by ambient temperatures and other factors.
2. Not DLC Listed, 277VAC only.

#### Accessories (Sold Separately)

IP710-LFZ	Leviton Wall Control Dimmer
30200	20' Aircraft Cable Mounting Kit
30202	10' Aircraft Cable Mounting Kit
EBXLE-PM	Pendant Mount Kit
EBXLE-WG-1	Type C Wire Guard
EBXLE-WG-2	Type E/F Wire Guard
EBXLE-WG-3	Type H/J Wire Guard
EBXLE-WG-4	Type K Wire Guard

Dimensions

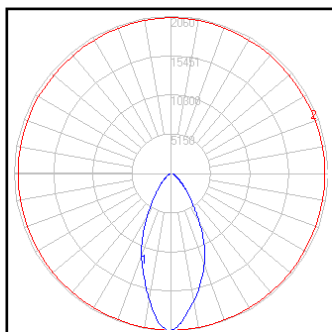


Power	Max Mount Height	Net Weight
101W	20 ft.	9 lbs. (4.1kg)
161W	30 ft.	13 lbs. (5.9kg)
201W	40 ft.	13 lbs. (5.9kg)
321W	50 ft.	23 lbs. (10.4kg)
401W	60 ft.	26 lbs. (11.8kg)
481W	70 ft.	32 lbs. (14.5kg)

### Optical Distributions

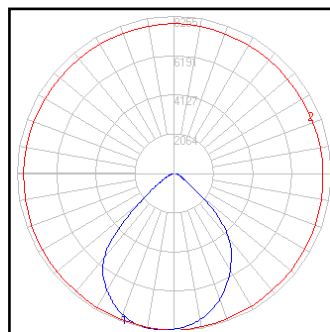
All photometric testing performed to IESNA LM-79 standards by a NVLAP® accredited testing facility. ISO footcandle plots below demonstrate the distribution patterns only based on 25' mounting height. Visit [www.nationalled.com](http://www.nationalled.com) for download complete specifications, IES files, or to request a photometric layout.

**45° Distribution (Aisle)**



The 45° aisle optical distribution forms a concentrated, narrow pattern that's commonly used for the aisles in between racks in a warehouse, or other areas with narrow walkways.

**90° Distribution (Medium)**



The 90° medium optical distribution forms a wide pattern on the open floor at low to medium heights. This allows more spacing between luminaires while still delivering the necessary footcandles for a specific application.

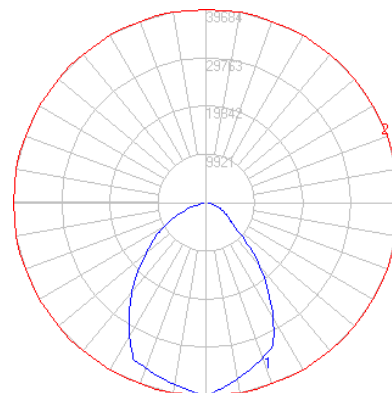
### Performance Data

#### Luminaire Photometric Data

Model Number	EBXLE1-1-UNVL-90-50-K-X-X
Issue Date	06/03/2019
IESNA	LM-63-2002
Lamp	LED
Total Input Watts	481.0
Total Lumens	72,150
Efficacy	150 LPW
Spacing Criterion	0°-180° = 1.08   90°-270° = 1.18

#### Zonal Lumen Summary

Zone	Lumens	% Fixt
0-30	29115.04	40.40
0-40	45541.02	63.10
0-60	66304.66	91.90
0-90	72149.98	100.00
0-180	72149.98	100.00



Model	System Level Power <sup>3</sup>	Delivered Lumens	Efficacy <sup>3</sup>	CCT	L70 Calculate Life	L85 Calculate Life
EBXLE1-1-UNVL-X-50-C-X-X	101W	15,150L	150 LPW	5000K	200,000 Hours	95,000 Hours
EBXLE1-1-UNVL-X-50-E-X-X	161W	24,150L	150 LPW	5000K	200,000 Hours	93,000 Hours
EBXLE1-1-UNVL-X-50-F-X-X	201W	30,150L	150 LPW	5000K	200,000 Hours	92,000 Hours
EBXLE1-1-UNVL-X-50-H-X-X	321W	48,150L	150 LPW	5000K	198,000 Hours	91,000 Hours
EBXLE1-1-UNVL-X-50-J-X-X	401W	58,550L	146 LPW	5000K	190,000 Hours	88,000 Hours
EBXLE1-1-UNVL-X-50-K-X-X	481W	72,150L	150 LPW	5000K	190,000 Hours	88,000 Hours

3. Measured at 277VAC

# ExsaBay®XLE

## High Bay LED Luminaire

NationalLED

### Accessories

#### BRI823-B-D - Programmable Fixture Integrated Photo/Motion (PIR) Sensor

##### Overview

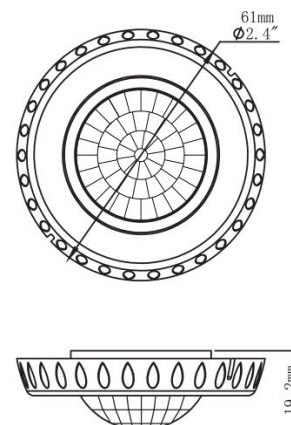
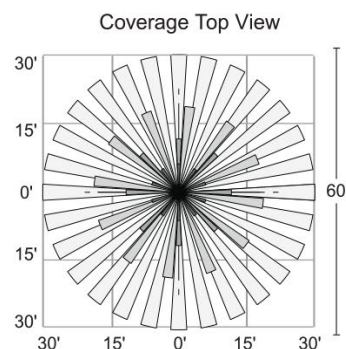
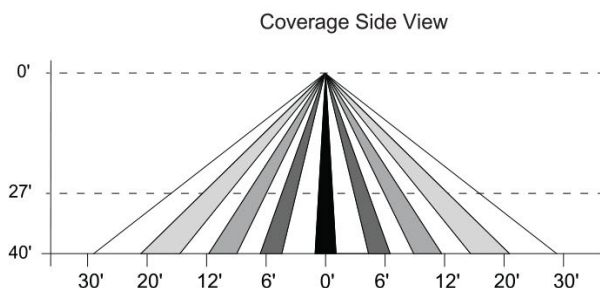
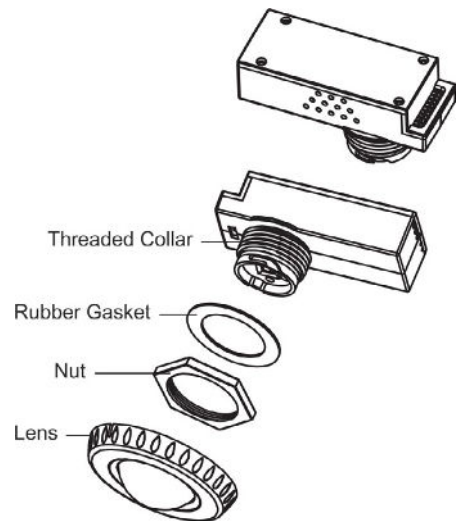
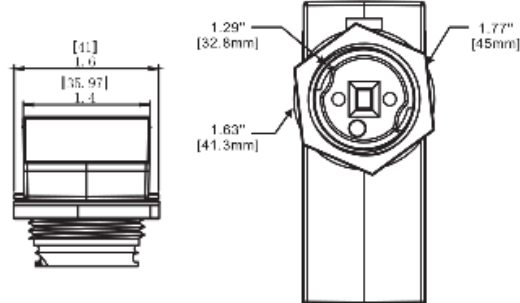
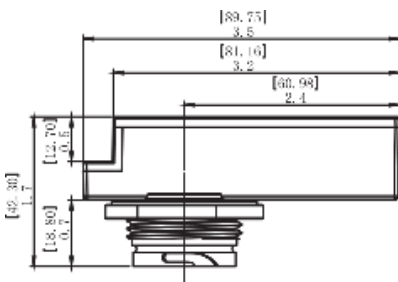
The BRI823-B-D provides multi-level control based on motion and/or daylight contribution. 0-10V dimming and is rated for wet/cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles.

##### Key Features

- Provides line voltage on/off switching and 0-10V dimming control.
- High and low modes fully adjustable from 0-10V.
- Time delay from 5-10 minutes.
- Optional cut-off delay.
- Adjustable ramp up and fade down times.
- Optional daylighting set points feature automatic calibration, or permit manual adjustment.

##### Specifications

Power supply	120-277VAC
Maximum load @ -40°F ~ +158°F (-40°C ~ +70°C)	Resistive/Halogen - 800W/1200W@120/277V Fluorescent Ballast/CFL - 660W/1200W@120/277V Electronic Ballast (LED) - 5A/5A@120/277V
Dim control output	0-10V, max. 25mA sinking current
Detection radius/angle	30ft @ 40ft Height/360°
Mounting height	Max 24ft. @LW1      Max 40ft. @LS2
Remote range	50ft. (15m) indoor, no backlight
Humidity	Max. 95% RH
Temperature	-40°F ~ +158°F (-40°C ~ +70°C)



Accessories

EM-0825-010/105-P2 - Emergency LED Driver/Battery Back-Up

Overview

The ILB-CP12 from IOTA Engineering is a UL Listed and Classified LED emergency driver that allows the same LED fixture to be used for both normal and emergency operation. In the event of a power failure, the ILB-CP12 switches to the emergency mode and operates the existing fixture for 90 minutes. The unit contains a battery, charger, and converter circuit in a single can and is available in different mounting configurations for individual fixture requirements. The ILB-CP12 will operate an LED array load at 12 watts with constant power at a rated output voltage of 10V-60V.

Key Features

- UL Listed (UL924/UL1310) for factory and field installations.
- Patented constant power design maintains illumination throughout the 90-minute runtime with no light degradation.
- Two-wire universal AC input.
- Output Class 2 compliant.
- Six mounting configurations available.
- Long life high temperature Ni-Cad battery.
- Includes single-piece TBTS test switch and charge indicator accessory kit.
- Meets or exceeds all NEC, IBC, and Life Safety Code Emergency Lighting requirements.



Specifications

Input voltage 1	20-277VAC 50/60Hz
Input current	100mA MAX.
Power fact 0	.6
Recharge power 8	W MAX.
Standby power	<0.5W
Red Lead 3	A,90V
White/black Lead 1	00W MAX.
Output current 1	00~1050mA
Output voltage	11~56V
Output power	25W MAX.
Output short protection	YES
Output open protection	YES
Ambient temperature	0°C ~50°C
Ambient temperature2 0	°C ~50°C LiFePO4
Tc MAX	70°C
Time to light	0.3S from detection of emergency event
Recharge time required 2	4- 48Hours (Refer to battery chart)
Battery type L	iFePO4 9.6VDC
Battery capacity available 0	.9Ah~6Ah



	Dimension	Length (inches)
	H	1.00
	W	1.72
	L	5.89
	M	5.30

### Accessories

---

#### IP710-LFZ - Leviton® Wall Control Slide Dimmer

##### Overview

---

Leviton offers many products that will help lower electrical costs and add convenience to everyday living. By simply replacing standard switches with dimmers reduces energy consumption and extends bulb life. IllumaTech Preset Dimmers feature a low-profile fluid slide bar movement for fine adjustment of light levels or fan speeds that's accompanied by an easy-to-use ON/OFF preset switch. The switch provides quick ON/OFF control without disturbing your favorite pre-selected settings. Most feature a built-in LED locator light, as well.

##### Key Features

---

- 1200VA, 120/277 Volt AC 60Hz
- Single-Pole & 3-Way
- IllumaTech Preset Electro-Mechanical Electronic 0-10VDC LED Power
- Supply Dimmer - White face assembled on device. Ivory and Light Almond available.



##### Specifications

---

**Switch Type:** Single-Pole & 3-Way

**Style Name:** IllumaTech

**Type:** Electro-Mechanical

**Load Type:** Electronic 0-10VDC

0-10VDC LED Power Supply

**Load Rating:** 1200VA

**Voltage:** 120/277 Volt AC 60Hz

**Action:** Standard ON/OFF

**Protection:** Radio/TV Filter

**Color:** White Ivory Light Almond

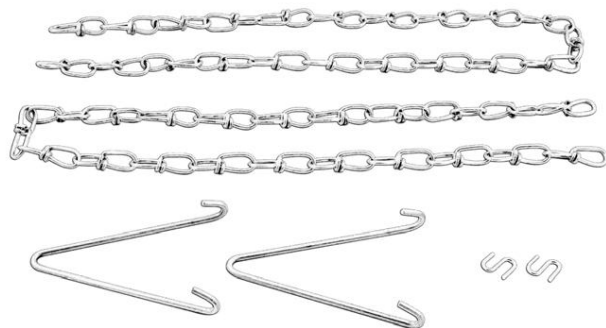
**Standards and Certifications:** UL/CSA





## Mounting

---



(2) 40" Chains and V-Hooks  
Suspension Mounting (Included)



**EBXLE-PM** Pendant Mounting Kit  
Accessory (Sold Separately)

**30200 - 20 ft. Aircraft Cable Mounting Kit**

**30202 - 10 ft. Aircraft Cable Mounting Kit**

(Sold Separately)



**EBXLE1-WG-1 - Type C Wire Guard**

**EBXLE1-WG-2 - Type E Wire Guard**

**EBXLE1-WG-3 - Type H/J Wire Guard**

**EBXLE1-WG-4 - Type K Wire Guard**

(Sold Separately)

