

# LINEAR HIGHBAY LUMINAIRES



## Description

Venture Lighting's new Linear High Bay series offers a cost-effective and high-quality lighting solution which is ideal for a wide variety of lighting applications such as: distribution centers, retail or big box spaces, warehouses/manufacturing facilities, schools with multiple purpose gymnasiums and other industrial applications. Robust construction and fully dimmable, it delivers exceptional DLC premium performance by balancing high lumen output and wattage savings making it a perfect replace both traditional fluorescent and HID high bay fixtures. Flexible product series with motion sensor, emergency battery pack, flexible conduit, wire-guards and a range of mounting options from cable, pendant and surface mounting making it suitable for virtually any lighting requirement.

## Performance

- CCT options: 4000K or 5000K
- CRI: 80+
- DLC Premium Certified
- Efficacy of up to 137 lumens per watt

## Construction

- The housing is constructed from cold rolled steel to provide rigidity and strength.
- Each housing is finished with a white polyester powder coat.
- Each fixture is supplied with a pair of V-Hook and 2 pcs of 1 meter long chain

## Optics

Available in clear polycarbonate lens version for increased output or frosted lens version for providing diffused light distribution.

## Electrical

- Standard Universal Voltage - 120-277V 50/60 Hz
- Standard 0-10V DC dimming (Wattage range: 10% to 100%)
- Optional 17W battery back-up factory installation available
- Operating Temperature Range: -22°F to 113°F (-30°C to 45°C)

## Installation

- V-hook & chains (supplied)
- Pendant mount (optional)
- Surface mount (optional)

## Controls

- Standard 0-10V DC dimming (Wattage range: 10% to 100%)

## Warranty

- 5-year limited warranty

## Compliance

- cULus Listed
- DLC Premium Certified
- Rated for damp and dry locations

Catalog Number
Type
Date
Notes



Shown with factory installed Bluetooth PIR Sensor



## Ordering & Model Number Information

Luminaire Wattage	Order Code	Product Description	DLC Model Number	Replaces Existing Luminaire
110W	HB36814	Clear Lens; 4000K; 120-277V; 14740 lm	HBL3-110NADC	Up to 250W HID or 4-lamp T-8 Fluorescent
	HB18723	Frosted Lens; 4000K; 120-277V; 14000 lm	HBL3-110NADF	
	HB17816	Clear Lens; 5000K; 120-277V; 14800 lm	HBL3-110CADC	
	HB91027	Frosted Lens; 5000K; 120-277V; 14400 lm	HBL3-110CADF	
162W	HB16734	Clear Lens; 4000K; 120-277V; 21000 lm	HBL3-160NADC	Up to 400W HID or 6-lamp T-8 Fluorescent
	HB86012	Frosted Lens; 4000K; 120-277V; 20000 lm	HBL3-160NADF	
	HB29124	Clear Lens; 5000K; 120-277V; 22000 lm	HBL3-160CADC	
	HB53189	Frosted Lens; 5000K; 120-277V; 21000 lm	HBL3-160CADF	
223W	HB26523	Clear Lens; 4000K; 120-277V; 29882 lm	HBL3-220NADC	Up to 1000W HID
	HB81892	Frosted Lens; 4000K; 120-277V; 28990 lm	HBL3-220NADF	
	HB64127	Clear Lens; 5000K; 120-277V; 30105 lm	HBL3-220CADC	
	HB73124	Frosted Lens; 5000K; 120-277V; 29213 lm	HBL3-220CADF	

Factory installed accessories are available, see page 2.

# LINEAR Highbay Luminaires

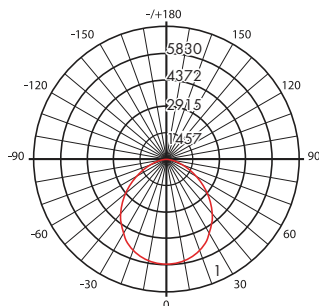
## Performance Data

Wattage	Lens	CCT	Lumen Output	CRI	Lumens Per Watt	Amp. Draw (A)		Rated Life Hours	Full Power IES File	Battery Back-up Mode Lumens	Battery Back-up Mode IES File
						120V	277V				
110W	Clear	4000K	14740	80	134	0.95	0.42	50,000	<a href="#">IES File</a>	3540	<a href="#">IES File</a>
	Frosted	4000K	14000		127				<a href="#">IES File</a>	3360	<a href="#">IES File</a>
	Clear	5000K	14800		135				<a href="#">IES File</a>	3560	<a href="#">IES File</a>
	Frosted	5000K	14400		131				<a href="#">IES File</a>	3460	<a href="#">IES File</a>
162W	Clear	4000K	20000	80	125	1.40	0.60	50,000	<a href="#">IES File</a>	3240	<a href="#">IES File</a>
	Frosted	4000K	20000		125				<a href="#">IES File</a>	3090	<a href="#">IES File</a>
	Clear	5000K	21000		131				<a href="#">IES File</a>	3400	<a href="#">IES File</a>
	Frosted	5000K	21000		131				<a href="#">IES File</a>	3240	<a href="#">IES File</a>
223W	Clear	4000K	29882	80	136	1.90	0.80	50,000	<a href="#">IES File</a>	3330	<a href="#">IES File</a>
	Frosted	4000K	28990		132				<a href="#">IES File</a>	3230	<a href="#">IES File</a>
	Clear	5000K	30105		137				<a href="#">IES File</a>	3360	<a href="#">IES File</a>
	Frosted	5000K	29213		133				<a href="#">IES File</a>	3260	<a href="#">IES File</a>

## Photometrics

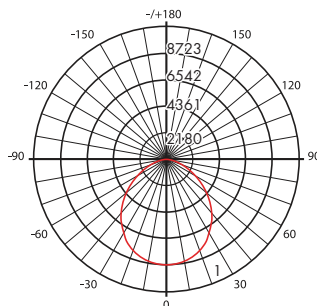
### 110W Linear Highbay

Luminous Intensity Distribution Diagram



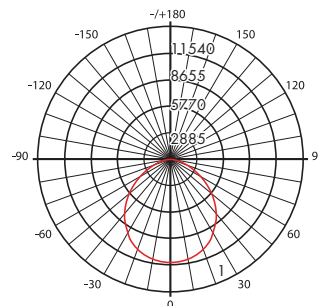
### 162W Linear Highbay

Luminous Intensity Distribution Diagram



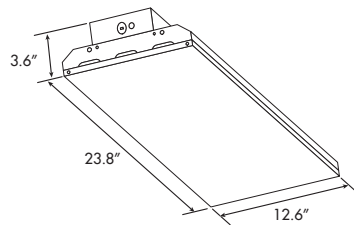
### 223W Linear Highbay

Luminous Intensity Distribution Diagram

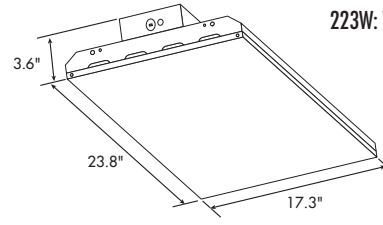


## Dimensions

110W: Weight: 10.2 lbs (4.6 kg)  
162W: Weight: 10.4 lbs (4.7 kg)



223W: Weight: 13.5 lbs (6.1 kg)



## Accessories

- AC24512 - 1 meter chain with S-hooks (2pcs) (replacement)
- PH41623 - Dry/damp rated motion/on-off sensor only
- PH77409 - Dry/damp rated motion/on-off/photocell/dimming sensor
- KT37505 - Pendant mount kit with hardware (white)
- KT31549 - Bluetooth PIR Sensor (white)

### Factory installed accessories:

- Add suffix "-S1" for a MOTION ONLY Sensor; Part # PH41623
- Add suffix "-S2" for a MOTION/DIM/PHOTOCELL Sensor; Part # PH77409
- Add suffix "-S5" for a Bluetooth PIR Sensor; Part # KT31549
- Add suffix "-EM" for a 17W battery back-up

### Factory installed plug and cable options:

- Add suffix "-P6-C" for 120V NEMA L5-15P molded plug with 11ft cable
- Add suffix "-P10-C" for 208V NEMA L18-20P molded plug with 11ft cable
- Add suffix "-P7-C" for 240V NEMA L6-15P molded plug with 11ft cable
- Add suffix "-P8-C" for 277V NEMA L7-15P molded plug with 11ft cable



NEMA L5-15P



NEMA L6-15P



NEMA L7-15P



NEMA L18-20P

### Accessories for 110W & 162W

- LN31105 - Clear Lens for field replacement
- LN31110 - Frosted Lens for field replacement
- KT37304 - Surface mount kit (white)
- KT42515 - Wire guard kit with hardware
- AC35207 - V-Hook (2 pcs set - replacement)

### Accessories for 223W

- LN31115 - Clear Lens for field replacement
- LN31120 - Frosted Lens for field replacement
- KT37308 - Surface mount kit (white)
- KT42520 - Wire guard kit with hardware
- AC35213 - V-Hook (2 pcs set - replacement)

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