



## LED High Bay

High Voltage 277-480V



### Designed For Quick and Easy Installation.

The Litetronics high voltage 277-480V LED High Bay makes it easy to improve your lighting in high ceiling environments by eliminating the need for expensive step down transformers for your 480V building. Made in the USA available, our standard glass lens product is IP 66 rated and can be used indoors or out for direct and indirect lighting. 9" tall, under 16" wide and only 17 lbs, it is an easy install compared to most high bays offering up to 29,000 lumens.

### Benefits

- 118-120 lumens/watt
- Uniform circular light distribution
- Waterproof IP 65 with glass lens
- Light weight and compact
- 10-year warranty\*
- 0-10V low voltage dimming
- Higher Center Beam Candle Power
- 277-480V High Voltage
- Made in USA available

### Markets & Applications

- Retail
- Warehouse
- Industrial
- Gyms
- Transit Facilities

ENLIGHTENING  
NEWS AND INFORMATION

\*Warranty: For installations where ambient temperature exceeds 45°C, warranty is reduced to 5 years. Maximum operating temperature is 55°C. For higher temperature applications consult Litetronics.

# LITETRONICS®

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## Technical Product Information

**Rated Life:** 100,000

**Volts:** 277-480V

**CRI:** 84

**Power Factor:** ≥0.9

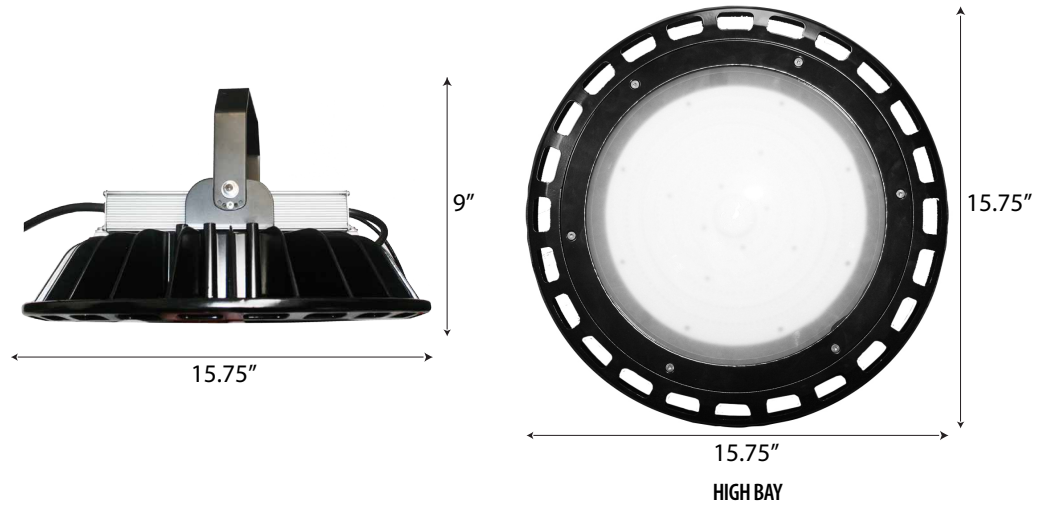
**Base:** Waterproof Twist Connector

**Mounting:** Snap Lock Hook

**Standard:** Black

**Weight:** 17lbs.(185W & 220W)

**Beam Angle:** 110°



## Part Number Matrix

XX (product family)	XXX (wattage)	X(color)	X (lens)	XX (color temperature)	XX (dimming)	XX (high voltage)
HB - LED High Bay	185 - 185 watts 220 - 220 watts	B - Black	1 - Glass Frosted 4 - Glass Clear	50 - 5000K	DL - 0-10V Dimming	HV - High Voltage

## Clear Glass & Frosted 0-10V Dimming Specifications

VOLTS	WATTS	DESCRIPTION	ORDERING CODE	CCT (K)	HIGH BAY LUMENS**	C.B.C.P.	DIMMING
277-480	185	185W 16" BLK LED HB 277-480V GFR 5000K 1-10V DIM	HB185B150DLHV	5000	24,000	7848	0-10V
		185W 16" BLK LED HB 277-480V GCL 5000K 1-10V DIM	HB185B450DLHV	5000	24,000	7848	
	220	220W 16" BLK LED HB 277-480V GFR 5000K 1-10V DIM	HB220B150DLHV	5000	29,000	9086	
		220W 16" BLK LED HB 277-480V GCL 5000K 1-10V DIM	HB220B450DLHV	5000	29,000	9086	



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## Foot Candles by Height

MOUNTING HEIGHT (FEET)	DIAMETER (FEET)	185W FOOTCANDLES AT NADIR	220W FOOTCANDLES AT NADIR
16	20.6	30.7	35.5
20	25.7	19.6	22.7
24	30.8	13.6	15.8
28	36.0	10.0	11.6
32	41.1	7.7	8.9
36	46.3	6.0	7.0
40	51.4	4.9	5.7

## Spacing Criterion

Spacing Criterion [0-180ft]	1.29
Spacing Criterion [90-270ft]	1.29

## High Bay Life

AMBIENT TEMP IN °C	AMBIENT TEMP IN °F	185W HOURS L70	220W HOURS L70
25	77	106,500	106,500
30	86	106,500	106,500
35	95	106,500	106,500
40	104	104,500	103,000
45	113	105,000	100,500
50	122	104,500	98,000
55	131	102,000	94,000

## High Bay Replacement

WATTS	LUMENS	REPLACE METAL HALIDE	REPLACE FLUORESCENT	MOUNTING HEIGHT
185	24000	400W MH	6 LAMP T5 HO AND 8 LAMP T8	20' TO 24'
220	29000	750W AND 1000W MH	8 LAMP T5 HO	24' TO 40'

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Accessories

## Accessory Part Number Matrix

XXX (product)	X (family)	XX (part)
HBA - High Bay Accessory	M - Mounting	20-39 - Mounting



## Mounting Accessories

IMAGE	DESCRIPTION	ORDERING CODE	QTY/CASE*	ACCESSORY USE
21	ROUND HOOK 29X49X69 M12	HBAM21	10	Used with 185 & 220W High bay instead of standard Snap hook.
28	PASS THRU JUNCTION BOX WITH 3/4" SNAPHOOK	HBAM28	10	Opening at top and bottom allow for internal connecting of cable and provide mechanical fixturing support. Top hole includes 3/4" threaded pipe.
31	FIXTURE HOOK WITH 3/4" PIPE ADAPTER	HBAM31	10	Connects directly to conduit via 3/4" threaded pipe, providing fixturing support.
30	5' SAFETY CABLE WITH CABLE LOCK AND SNAP LOCK HOOK	HBAM30	10	5' cable with snap hook and adjustable cable lock to set length.

