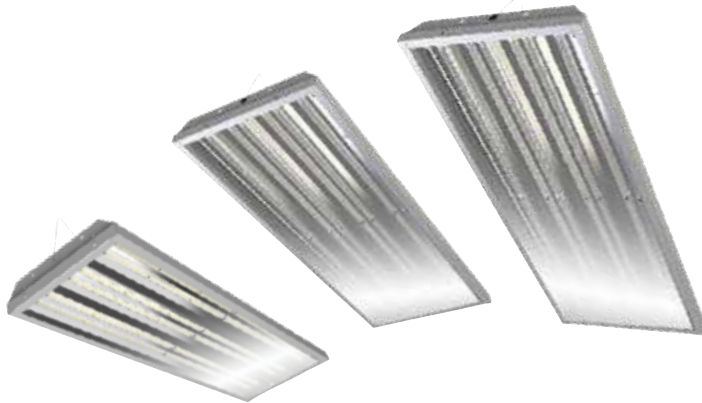


Linear LED High Bay Series



ProLED® Linear LED High Bay Series is a long life and energy efficient replacement for existing linear fluorescent or HID installations. Ideal for high mounting heights, the ProLED Linear LED High Bays deliver instant-on capabilities, uniform illumination, and reduced maintenance costs. Wiring and control options and accessories are available to help reduce installation times and save energy. Applications include; retail, distribution centers, industrial facilities, gymnasiums, warehouses, and grocery stores. ProLED® Linear LED High Bay Series is backed by a 5-year limited warranty.

Performance Specifications

CRI	80
Rated Life	50,000 hours
Watts	160W, 200W and 250W
Lumens	16,800/21,000/26,500
Lumens per Watt (LPW)	105/105/106
Input Line Voltage	120-277V
Input Line Frequency	60 Hz

Min. Start Temp.	-40°C (-40°F)
Max. Operating Temp.	50°C (122°F)
Power Factor	>95%
Warranty	5-Year Limited
Control	Dimming (0-10V DC)
Weight	12.5 lb

Energy Savings

Standard High Bay HID	System Watts	Replacement LED	Energy Savings
400W	458W	250W	45%

Construction

- Clear polycarbonate lens reduces dust intrusion
- Durable steel housing finished in a polyester powder coating

- Specular reflector for smooth, even light distribution
- ETL listed for damp locations

Installation

- Wide and Narrow options
- 4000K color temperature
- Dimming (0-10V DC)
- Instant on
- 105 lumens per watt
- 50,000 hour rated life
- 6' or 12' NEMA twist lock cord assembly (optional)

Accessories and Replacement Parts

- 99986 - LHB/MC (0-10V) Motion Sensor
- 99987 - LHB/WG1 Wire guard for LHB1
- 99988 - LHB/WG2 Wire guard for LHB2
- 99997 - LHB/PC1 Polycarbonate clear lens for LHB1
- 99998 - LHB/PC2 Polycarbonate clear lens for LHB2
- 99999 - LHB/VMA V hook mounting assembly

Ordering Information

Series	Watt option	CRI	Color Temperature	Voltage	Optic Option	Cord Length Option	Cord Volt Option**	Motion Control Option
LHB	160 = 160W 200 = 200W 250 = 250W	8 = 80	40 = 4000K	UNV = 120-277V	N = Narrow W = Wide	C06 = 6 Feet C12 = 12 Feet	12V = 120V 20V = 208V 24V = 240V 27V = 277V	MC = 0-10V Sensor

Use the nomenclature on the left to create product code. Description is on the right. All columns are required except cord length, cord volt and motion control.

Example

LHB 160 8 40 UNV N C06 12V MC

Ordering information.

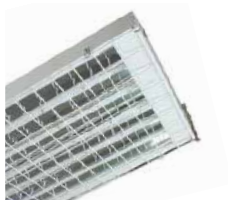
* Useful Life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens. The lamp will continue to burn past this point, but at decreased light levels.

Warranty Commercial/Industrial: This product is warranted for 5 years from the date purchase.

** Cord voltage designates included NEMA plug configuration.

Linear LED High Bay Series

Accessories



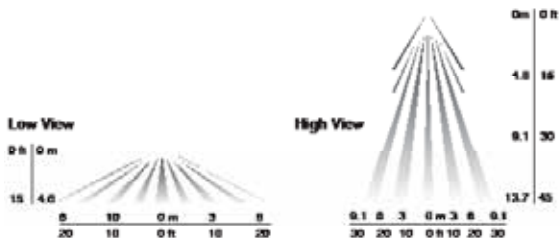
Wire Guard



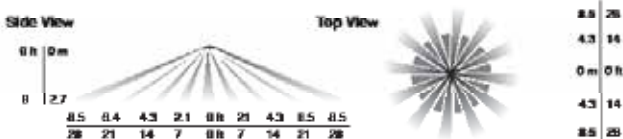
Motion Control Sensor. Includes high and low mount lens.

Motion Control Sensor Detection*

High mount lens installed (>15' mounting heights)



Low mount lens installed (<15' mounting heights)

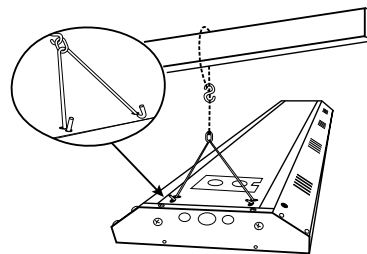


* The high mount lens comes installed on the motion sensor. The low mount sensor lens is included in the box.

Replacement Parts



Clear Polycarbonate Lens



V-Hook Mounting Assembly

Accessories and Replacement Parts Ordering Information

Product #	Product Code	Description	Weight
99986	LHB/MC	(0-10V) Motion Control Sensor	
99987	LHB/WG1	WG1=Wire Guard for LHB1	4.85 lb
99988	LHB/WG2	WG2=Wire Guard for LHB2	6.31 lb
99997	LHB/PC1	Polycarbonate Clear Lens for LHB1	2.43 lb
99998	LHB/PC2	Polycarbonate Clear Lens for LHB2	3.31 lb
99999	LHB/VMA	V Hook Mounting Assembly	0.42 lb



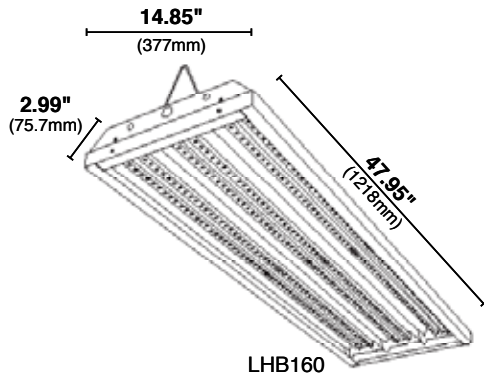
Base Product Information

Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Dimmable	Size	Equivalent Replacement
160W	99974	LHB160/840/UNV/N	120-277V	4000K	80	16,800	50,000	Yes	47.95"l x 14.85"w x 2.99"h	4-lamp (T8)
160W	99975	LHB160/840/UNV/W	120-277V	4000K	80	16,800	50,000	Yes	47.95"l x 14.85"w x 2.99"h	4-lamp (T8)
200W	99978	LHB200/840/UNV/N	120-277V	4000K	80	21,000	50,000	Yes	48.95"l x 19.75"w x 2.99"h	4-lamp (T5HO)/6-LAMP (T8)
200W	99979	LHB200/840/UNV/W	120-277V	4000K	80	21,000	50,000	Yes	48.15"l x 19.75"w x 2.99"h	4-lamp (T5HO)/6-LAMP (T8)
250W	99982	LHB250/840/UNV/N	120-277V	4000K	80	26,500	50,000	Yes	48.15"l x 19.75"w x 2.99"h	6-lamp (T5HO)/8-LAMP (T8)
250W	99983	LHB250/840/UNV/W	120-277V	4000K	80	26,500	50,000	Yes	48.15"l x 19.75"w x 2.99"h	6-lamp (T5HO)/8-LAMP (T8)

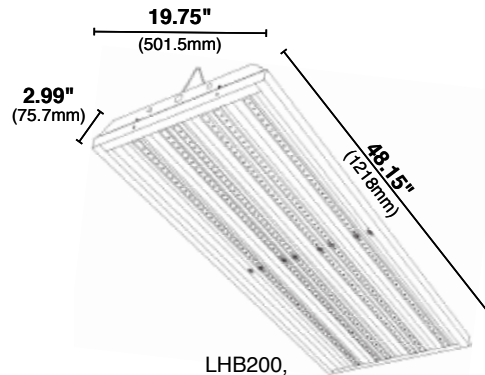
Warranty Commercial/Industrial: This product is warranted for 5 years from the date purchase.

May not be compatible with all dimmable systems, dimming performance may vary by system, please check the website www.halcolighting.com for up-to-date dimmer compatibility information. Use on incompatible systems may shorten lamp life.

*** Check the latest update at www.DesignLights.org for listed product catalog numbers. All versions may not be listed.



LHB160

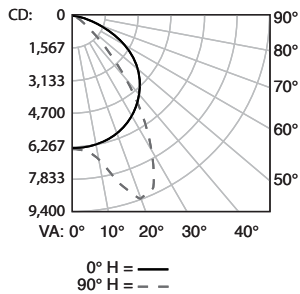


LHB200,
LHB250

Ambient Temp.	Rated Life
77°F(25°C)	95,000 Hours
86°F(30°C)	80,000 Hours
95°F(35°C)	68,000 Hours
104°F(40°C)	57,000 Hours
113°F(45°C)	50,000 Hours

Photometrics

99974, LHB160/840/UNV/N



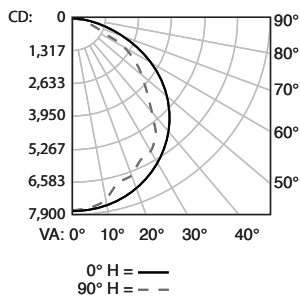
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	615.5	3.5%	90-100	6.5	0%
10-20	2,046.6	11.8%	100-110	5.2	0%
20-30	3,632.9	20.9%	110-120	5.5	0%
30-40	4,127.6	23.8%	120-130	6.8	0%
40-50	3,447.8	19.9%	130-140	9.3	0.1%
50-60	2,146.3	12.4%	140-150	13.6	0.1%
60-70	953.0	5.5%	150-160	15.6	0.1%
70-80	264.9	1.5%	160-170	13.3	0.1%
80-90	42.4	0.2%	170-180	5.6	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	6,295.1	36.2%	36.3%
0-40	10,422.6	60%	60%
0-60	16,016.7	92.2%	92.3%
60-90	1,260.2	7.3%	7.3%
70-100	313.7	1.8%	1.8%
90-120	17.2	0.1%	0.1%
0-90	17,277.0	99.4%	99.5%
90-180	81.4	0.5%	0.5%
0-180	17,358.3	99.9%	100%

99975, LHB160/840/UNV/W



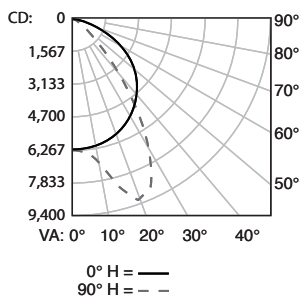
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	733.1	3.8%	90-100	12.0	0.1%
10-20	2,053.9	10.8%	100-110	8.7	0%
20-30	3,064.3	16.1%	110-120	8.1	0%
30-40	3,695.7	19.4%	120-130	8.6	0%
40-50	3,640.9	19.1%	130-140	10.9	0.1%
50-60	3,071.5	16.1%	140-150	15.5	0.1%
60-70	1,893.0	9.9%	150-160	18.0	0.1%
70-80	691.6	3.6%	160-170	14.5	0.1%
80-90	109.0	0.6%	170-180	5.7	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	5,851.3	30.7%	30.7%
0-40	9,547.0	50%	50.1%
0-60	16,259.4	85.2%	85.3%
60-90	2,693.5	14.1%	14.1%
70-100	812.5	4.3%	4.3%
90-120	28.8	0.2%	0.2%
0-90	18,952.9	99.3%	99.5%
90-180	102.0	0.5%	0.5%
0-180	19,054.9	99.8%	100%

99978, LHB200/840/UNV/N

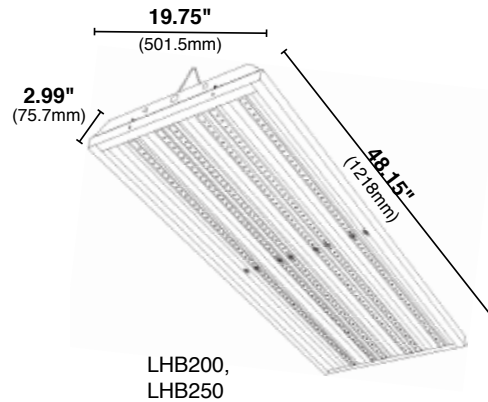
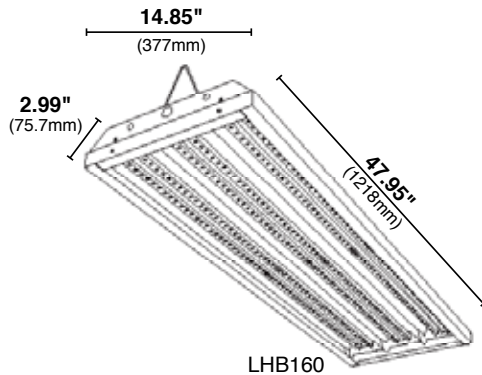


LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	832.6	3.6%	90-100	8.9	0%
10-20	2,769.1	12.0%	100-110	7.2	0%
20-30	4,880.6	21.1%	110-120	7.7	0%
30-40	5,515.4	23.8%	120-130	9.3	0%
40-50	4,559.0	19.7%	130-140	13.2	0.1%
50-60	2,839.3	12.3%	140-150	18.7	0.1%
60-70	1,261.7	5.4%	150-160	21.4	0.1%
70-80	340.5	1.5%	160-170	18.0	0.1%
80-90	54.0	0.2%	170-180	7.4	0%

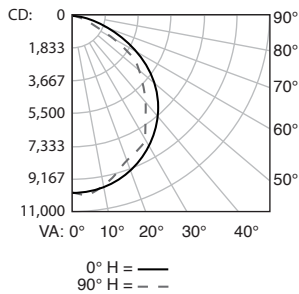
ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	8,482.3	36.6%	36.6%
0-40	13,997.7	60.4%	60.4%
0-60	21,395.9	92.2%	92.4%
60-90	1,656.2	7.1%	7.1%
70-100	403.3	1.7%	1.7%
90-120	23.8	0.1%	0.1%
0-90	23,052.1	99.4%	99.5%
90-180	111.8	0.5%	0.5%
0-180	23,163.9	99.9%	100%



Photometrics

99979, LHB200/840/UNV/W



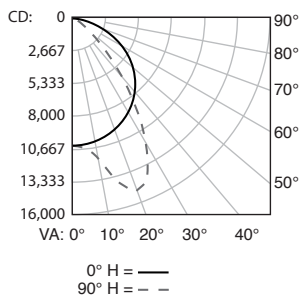
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	927.5	3.8%	90-100	14.7	0.1%
10-20	2,621.7	10.8%	100-110	10.7	0%
20-30	3,917.9	16.1%	110-120	9.7	0%
30-40	4,692.2	19.3%	120-130	10.2	0%
40-50	4,657.4	19.2%	130-140	12.9	0.1%
50-60	3,949.5	16.3%	140-150	18.3	0.1%
60-70	2,391.2	9.8%	150-160	21.0	0.1%
70-80	860.5	3.5%	160-170	16.8	0.1%
80-90	141.2	0.6%	170-180	6.5	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	7,467.0	30.7%	30.8%
0-40	12,159.2	50%	50.1%
0-60	20,766.2	85.4%	85.5%
60-90	3,393.0	14%	14%
70-100	1,016.4	4.2%	4.2%
90-120	35.1	0.1%	0.1%
0-90	24,159.2	99.4%	99.5%
90-180	120.6	0.5%	0.5%
0-180	24,279.8	99.8%	100%

99982, LHB250/840/UNV/N



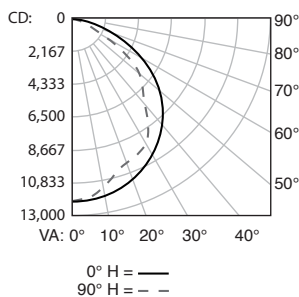
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	995.5	3.6%	90-100	10.0	0%
10-20	3,291.4	11.9%	100-110	8.6	0%
20-30	5,781.4	21.0%	110-120	9.1	0%
30-40	6,547.4	23.8%	120-130	11.1	0%
40-50	5,459.1	19.8%	130-140	15.7	0.1%
50-60	3,377.0	12.3%	140-150	22.3	0.1%
60-70	1,497.8	5.4%	150-160	25.5	0.1%
70-80	402.5	1.5%	160-170	21.4	0.1%
80-90	63.0	0.2%	170-180	8.8	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	10,068.3	36.5%	36.5%
0-40	16,615.7	60.2%	60.3%
0-60	25,451.8	92.3%	92.4%
60-90	1,963.3	7.1%	7.1%
70-100	475.5	1.7%	1.7%
90-120	27.8	0.1%	0.1%
0-90	27,415.1	99.4%	99.5%
90-180	132.6	0.5%	0.5%
0-180	27,547.7	99.9%	100%

99983, LHB250/840/UNV/W



LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	1,137.8	3.9%	90-100	18.1	0.1%
10-20	3,174.4	10.7%	100-110	13.1	0%
20-30	4,729.3	16.0%	110-120	11.9	0%
30-40	5,690.1	19.3%	120-130	12.5	0%
40-50	5,653.0	19.1%	130-140	15.5	0.1%
50-60	4,793.8	16.2%	140-150	21.7	0.1%
60-70	2,947.9	10.0%	150-160	24.8	0.1%
70-80	1,090.6	3.7%	160-170	19.5	0.1%
80-90	173.7	0.6%	170-180	7.5	0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	9,041.5	30.6%	30.6%
0-40	14,731.7	49.8%	49.9%
0-60	25,178.5	85.1%	85.2%
60-90	4,212.2	14.2%	14.3%
70-100	1,282.3	4.3%	4.3%
90-120	43.1	0.1%	0.1%
0-90	29,390.7	99.4%	99.5%
90-180	144.5	0.5%	0.5%
0-180	29,535.2	99.8%	100%