

LED Linear Adjustable High Bay

Prefix: HBLA

The HBLA is a linear adjustable, premium-performance LED high bay luminaire. It is designed to illuminate a wide variety of settings, including commercial, industrial & retail settings such as warehouses, manufacturing facilities, sporting venues and big-box retailers. With a powder coat painted, code gage steel housing, the HBLA provides high levels of durability and performance. High-efficacy, long-life LEDs provide both energy and maintenance cost savings compared to traditional HID high bay fixtures. Being adjustable, this fixture allows for multiple distribution options out of a single fixture.

LED Linear Adjustable High Bay,
15,000 – 30,000 Lumens



project:

fixture type:

catalog #:

quantity:

ORDERING GUIDE

HBLA	–	–	–	MVDIM
MODEL				DRIVER
HBLA - LED Linear Adjustable High Bay				MVDIM - Multi-Voltage Dimming Driver (120v–277v)
	LUMEN OUTPUT	COLOR TEMPERATURE		
	15L - 15,000 23L - 23,000 30L - 30,000	4K - 4000k 5K - 5000k		

EXAMPLE: HBLA-15L-4K-MVDIM

OPTIONS (ORDER SEPARATELY)	
OS -	Passive Infrared Sensor
ODS -	Microwave Sensor
EM -	Emergency Driver*
WG -	Wire Guard
PMK -	Pendant Mount Kit
SMK -	Surface Mount Kit

*specify per chart on page 2

FEATURES

- Available in 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide 174,000 hours of operation with at least 70% of initial lumen output (L70).**
- HBLA-15 delivers 15,297 lumens (140 lumens per watt, LPW) at 4000k, and 15,471 lumens (141 LPW) at 5000k.*
- HBLA-23 delivers 22,970 lumens (139 LPW) at 4000k, and 23,223 lumens (140 LPW) at 5000k.*
- HBLA-30 delivers 30,394 lumens (140 LPW) at 4000k, and 30,742 lumens (142 LPW) at 5000k.*
- Universal 120-277 AC voltage (50-60Hz) is standard.
- 0-10Vdc dimming drivers are standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.

- Painted steel housing and PMMA (polymethyl methacrylate) frosted lenses are standard.
- Easy installation in new construction or retrofit.
- Optics rotate up to 150°.
- Chain-mount kits (includes v-hooks and 1/8" thick, 1-meter long chain) are standard.
- Options include wire-guard kits, pendant mount kits, and surface mount kits.

WARRANTY & LISTINGS

- cULus listed for damp locations in ambient temperatures from
 - 40°C to 50°C (-40°F to 122°F).
- DLC premium.
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- Complies with FCC Part 15, class A.

- Flicker-free per IEEE1789-2015 (no observable adverse effects of flicker at 100% light output level).
- Complies with IEC/EN61000-4-5, input transient protection (2.0kV).
- 5-year warranty of all electronics and housing.

MOUNTING OPTIONS

- Chain mounting with V-hooks is standard.
- Optional pendant mounting kit (p/n LEDHB-PMK-S) provides pendant attachment to 1/2" rigid conduit.
- Optional surface mounting kit (p/n LEDHB-SMK-S) provides attachment to solid surfaces.

* Contact factory for other color temperatures and lumen packages.

** L70 hours are IES TM-21-11 calculated hours.

Electrical Data

Model	Color Temperature	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens/ Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
HBLA-15L-4K	4000k	>80	15,297	109	140	120-277	1.17	0.58	0.51	>0.90	<20%	174,000
HBLA-15L-5K	5000k	>80	15,471	109	141	120-277	1.18	0.59	0.51	>0.90	<20%	174,000
HBLA-23L-4K	4000k	>80	22,970	166	139	120-277	1.16	0.58	0.50	>0.90	<20%	174,000
HBLA-23L-5K	5000k	>80	23,223	166	140	120-277	1.17	0.58	0.51	>0.90	<20%	174,000
HBLA-30L-4K	4000k	>80	30,394	217	140	120-277	1.17	0.58	0.51	>0.90	<20%	174,000
HBLA-30L-5K	5000k	>80	30,742	217	142	120-277	1.18	0.59	0.51	>0.90	<20%	174,000

¹ Color rendering index.

² All 50-60Hz.

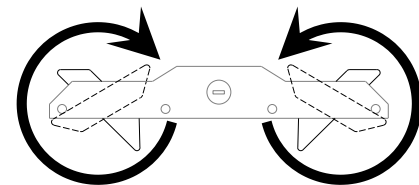
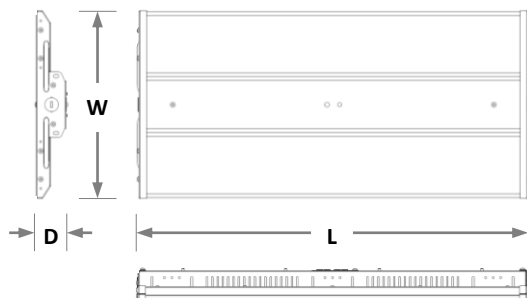
³ Total harmonic distortion.

⁴ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.

Compatible Emergency Drivers

Emergency Driver Part Number	EM8 / EC8		EM12 / EC12		EM16 / EC16		EM20 / EC20		EM24 / EC24		Runtime
Model	Watts	EM Lumens	Watts	EM Lumens	Watts	EM Lumens	Watts	EM Lumens	Watts	EM Lumens	
HBLA-15L-xK	5	700	7.8	1092	10.7	1498	13.7	1918	17.0	2380	90 MINS.
HBLA-23L-xK	5	695	7.8	1084	10.7	1487	13.7	1904	17.0	2363	
HBLA-30L-xK	5	700	7.8	1092	10.7	1498	13.7	1918	17.0	2380	

Dimensions



LED modules rotate up to 150°

Model	Length (L)	Width (W)	Depth (D)	Weight
15L	26"	12"	2"	7.7 lbs.
23L	26"	12"	2"	9.0 lbs.
30L	26"	14"	2"	10.0 lbs.

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Photometric Data

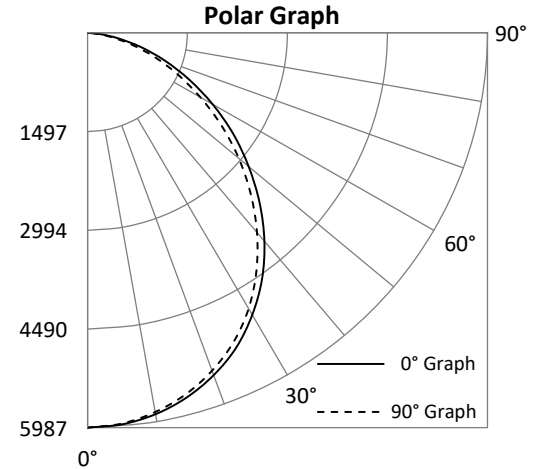
HBLA-15L-4K

Luminaire Data

Description	LED ADJUSTABLE HIGH BAY - 15L 4K
Total Lumens	15,297
Input Wattage	109
Efficacy (lm/W)	140
Spacing Criterion (0-180°)	1.24
Spacing Criterion (90-270°)	1.22

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	2,180	14.2%
0-30°	4,594	30.0%
0-40°	7,421	48.5%
20-50°	8,022	52.4%
40-70°	6,737	44.0%
0-60°	12,531	81.9%
0-80°	15,008	98.1%
0-90°	15,211	99.4%
90-180°	86	0.6%
0-180°	15,297	100.0%



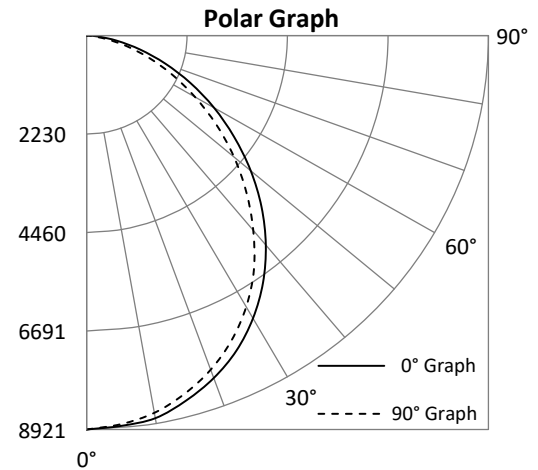
HBLA-23L-4K

Luminaire Data

Description	LED ADJUSTABLE HIGH BAY - 23L 4K
Total Lumens	22,970
Input Wattage	166
Efficacy (lm/W)	139
Spacing Criterion (0-180°)	1.24
Spacing Criterion (90-270°)	1.20

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	3,256	14.2%
0-30°	6,872	29.9%
0-40°	11,118	48.4%
20-50°	12,051	52.5%
40-70°	10,169	44.3%
0-60°	18,825	82.0%
0-80°	22,571	98.3%
0-90°	22,858	99.5%
90-180°	112	0.5%
0-180°	22,970	100.0%



HBLA-30L-4K

Luminaire Data

Description	LED ADJUSTABLE HIGH BAY - 30L 4K
Total Lumens	30,394
Input Wattage	217
Efficacy (lm/W)	140
Spacing Criterion (0-180°)	1.24
Spacing Criterion (90-270°)	1.22

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	4,281	14.1%
0-30°	9,022	29.7%
0-40°	14,585	48.0%
20-50°	15,813	52.0%
40-70°	13,516	44.5%
0-60°	24,772	81.5%
0-80°	29,863	98.3%
0-90°	30,265	99.6%
90-180°	129	0.4%
0-180°	30,394	100.0%

