

LED Linear High Bay

LHBD-xKx-xW Series Specifications

Project _____

Date _____ Type _____



LHBD-50K2-110W



Features

- 100-277 VAC input
- DLC Premium - ≥130 lumens per Watt
- 1-10 V dimmer compatible
- ≥80 CRI
- L70 rated 50,000 hour lifetime
- Includes chains and v-hooks for suspension mounting

Optional Accessories

- conduit mounting bracket (LHBD-PH)
- Merrytek microwave motion sensor (MC054V RC D)
- wire guard (LHBD-WGx — where 'x' is 2,3, 5, or 6, matching 'size' identifier in light part number)

Construction

Durable steel body with white finish and frosted polycarbonate lenses. Features ½" knockouts¹ on each end and top for additional wiring options.

Application

Easily replaces traditional T5 and T8 high bay fixtures as well as metal-halide high bays. Type V distribution and the ability to wire end to end or through optional conduit mounting bracket make these ideal for many applications including factories, warehouses, and other large, high ceiling spaces.

Available Models²

- ☐ LHBD-50K2-80W
- ☐ LHBD-50K2-110W
- ☐ LHBD-50K3-165W
- ☐ LHBD-50K3-220W
- ☐ LHBD-50K5-165W
- ☐ LHBD-50K5-225W
- ☐ LHBD-50K6-320W

Part Number Breakdown

Example: LHBD-50K3-220W

Family	Color Temperature	Size	Wattage
LHBD	- 50K [5000K]	2 [narrow, 2' long]	80W [80 W]
			110W [110 W]
		3 [wide, 2' long]	165W [165 W]
			220W [220 W]
		5 [narrow, 4' long]	165W [165 W]
		6 [wide, 4' long]	225W [225 W]
			320W [320 W]

Output Equivalencies

LHBD-xK2-80W	3-lamp 32 W T8/ 250 W MH
LHBD-xK2-110W	3-lamp 54 W T5HO/ 320 W MH
LHBD-xK3-165W	4-lamp 54 W T5HO/ 400 W MH
LHBD-xK3-220W	6-lamp 54 W T5HO/ 400 W MH
LHBD-xK5-165W	4-lamp 54 W T5HO/ 400 W MH
LHBD-xK5-225W	6-lamp 54 W T5HO/ 400 W MH
LHBD-xK6-320W	8-lamp 54 W T5HO/ 1,000 W MH

Warranty

Five (5) Year Warranty

Certifications and Compliances

DesignLights Consortium listed as DLC Premium, UL Listed for damp or dry locations, and RoHS compliant.



¹½" knockouts are trade size, meaning the hole diameter measures ⅞"

²Contact customer service if interested in options other than those listed.



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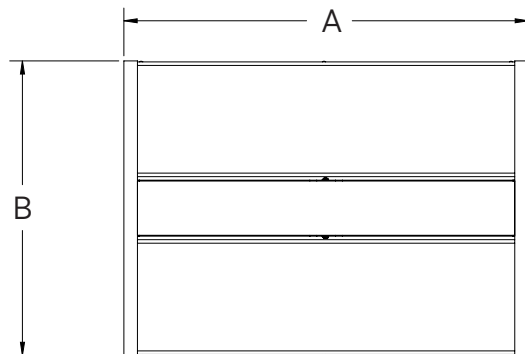
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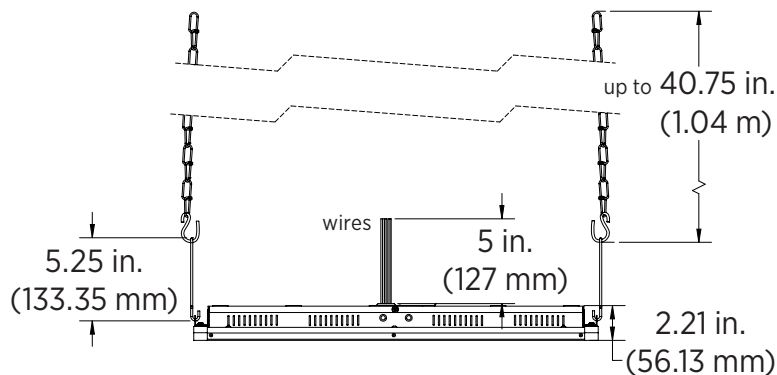
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LHBD-xKx-xW Series Specifications

Dimensional Drawing



Model	Length (A)	Width (B)
LHBD-xK2-80W	23.85 in	12.5 in.
LHBD-xK2-110W	(60.58 cm)	(31.73 cm)
LHBD-xK3-165W	23.85 in	17.38 in.
LHBD-xK3-220W	(60.58 cm)	(44.13 cm)
LHBD-xK5-165W	46.69 in.	12.5 in.
LHBD-xK5-225W	(1.19 m)	(31.73 cm)
LHBD-xK6-320W	46.69 in.	17.38 in.
	(1.19 m)	(44.13 cm)



Specifications

Model LHBD-	xK2-80W	xK2-110W	xK3-165W	xK3-220W	xK5-165W	xK5-225W	xK6-320W
Intensity	10,400 lm	14,300 lm	21,450 lm	28,600 lm	21,450 lm	29,250 lm	41,600 lm
Operating Voltage	100-277 VAC						
Power Consumption	80 W	110 W	165 W	220 W	165 W	225 W	320 W
Current Draw @ 120 VAC	0.67 A	0.92 A	1.38 A	1.83 A	1.38 A	1.88 A	2.67 A
Efficacy	≥130 lm/W						
Color Temperature	5000K						
Beam Angle	120°						
CRI	≥80						
Power Factor	≥90						
Dimming	1-10 V						
Environmental Rating	damp or dry location only						
Ambient Operating Temperature	-4°-104° F (-20°-40° C)						
Product Weight	9 lb (4.1 kg)		12 lb 5 oz (5.6 kg)		16 lb 4 oz (7.4 kg)		18 lb 14 oz (8.6 kg)
Rated Life (L70)	50,000 hours						

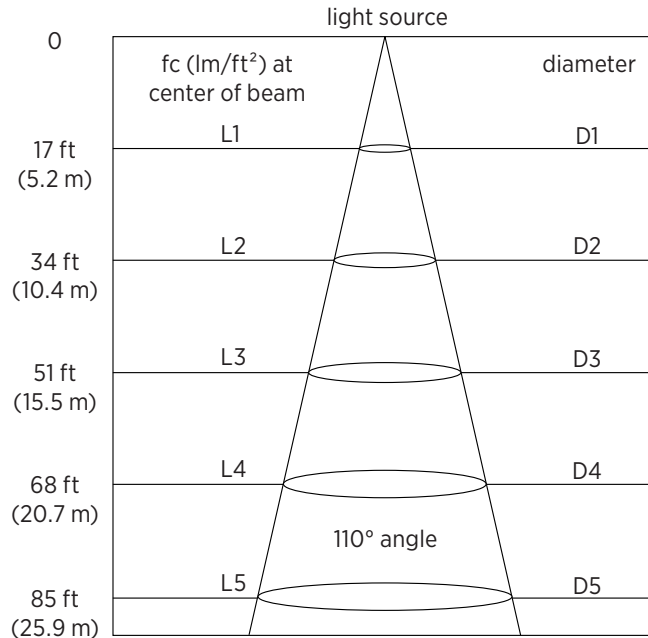


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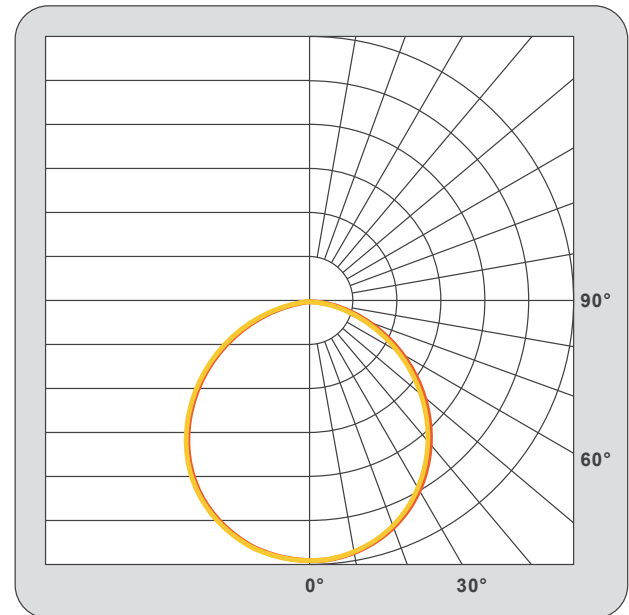
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Optics

Illuminance Cone Diagram



Polar Candela Distribution Diagram



Model LHBD-	xK2-80W	xK2-110W	xK3-165W	xK3-220W	xK5-165W	xK5-225W	xK6-320W
Light Intensity ³	10,400 lm	14,300 lm	21,450 lm	28,600 lm	21,450 lm	29,250 lm	41,600 lm
L1	12.77 fc	17.7 fc	25.7 fc	36 fc	25.7 fc	37.7 fc	58.9 fc
L2	3.19 fc	4.42 fc	6.4 fc	9 fc	6.4 fc	9.4 fc	14.7 fc
L3	1.42 fc	1.97 fc	2.9 fc	4 fc	2.9 fc	4.2 fc	6.5 fc
L4	0.8 fc	1.11 fc	1.6 fc	2.2 fc	1.6 fc	2.4 fc	3.7 fc
L5	0.51 fc	0.71 fc	1.0 fc	1.4 fc	1.0 fc	1.5 fc	2.4 fc
D1	Ø44.4 ft (13.5 m)	Ø44.9 ft (13.7 m)	Ø44.7 ft (13.6 m)	Ø44.8 ft (13.7 m)	Ø46.2 ft (14.1 m)	Ø45.9 ft (14 m)	Ø45.4 ft (13.8 m)
D2	Ø88.8 ft (27.1 m)	Ø89.8 ft (27.4 m)	Ø89.4 (27.2 m)	Ø89.6 ft (27.3 m)	Ø92.4 ft (28.2 m)	Ø91.8 ft (28 m)	Ø90.8 ft (27.7 m)
D3	Ø133.2 ft (40.6 m)	Ø134.7 ft (41.1 m)	Ø134.1 (40.9 m)	Ø134.4 ft (41 m)	Ø138.6 ft (42.2 m)	Ø137.7 ft (42 m)	Ø136.2 ft (41.5 m)
D4	Ø177.6 ft (54.1 m)	Ø179.6 ft (54.7 m)	Ø178.8 (54.5 m)	Ø179.2 ft (54.6 m)	Ø184.8 ft (56.3 m)	Ø183.6 ft (56 m)	Ø181.6 ft (55.4 m)
D5	Ø222 ft (67.7 m)	Ø224.5 ft (68.4 m)	Ø223.5 (68.1 m)	Ø224 ft (68.3 m)	Ø231 ft (70.4 m)	Ø229.5 ft (70 m)	Ø227 ft (69.2 m)

³Measured intensity will vary depending on color temperature.

