



LHBD3-50K80H



Description

LHBD3 LED linear high bays are an ideal option for high bay applications in commercial and industrial locations. Powerful and reliable—these lights achieve an incredibly efficient 140 lumens per watt (145 on 80 W model). Steel housing is powder-coated for added durability and impact-resistant polycarbonate lens protects LEDs and diffuses light. Lights include a hanging kit for suspension mounting the fixture.

Construction/Mechanical

- Includes suspension/hanging kit
- White finish steel housing
- Polycarbonate lens
- ½” trade size knockouts

Electrical

- 120–277 VAC input
- 0–10 V dimming
- 50,000 hour LED lifetime
- ≥0.9 power factor

Photometrics

- 140 lm/W (145 lm/W on 80 W model)
- 90° beam angle
- 80+ CRI

Optional Accessories (purchased separately)

- Merrytek microwave motion sensor (MC054V RC D)

Application

Easily replaces traditional T5 and T8 high bay fixtures as well as metal-halide high bays—ideal for many applications including factories, warehouses, and other large, high-ceiling spaces.

Available Models¹

2-Foot Length

- LHBD3-50K80H
- LHBD3-50K110H
- LHBD3-50K165H
- LHBD3-50K220H

3-Foot Length

- LHBD3-50K225H
- LHBD3-50K300H

Part Number Breakdown

Example: LHBD3-50K300H

Family	CCT	Wattage	Efficacy
LHBD3	50K [5000K]	80 [80 W]	H [high efficacy]
		110 [110 W]	
		165 [165 W]	
		220 [220 W]	
		225 [225 W]	
		300 [300 W]	

Certifications and Compliances

These are DesignLights Consortium listed as DLC 5.1 Premium. They are also Certified by UL and rated as suitable for damp locations.

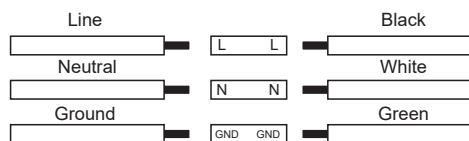


Warranty

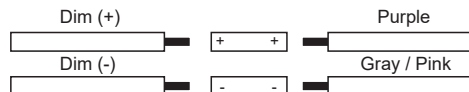
- 5-year warranty

Wiring Diagram

120–277 VAC Input



0–10 V Dimming



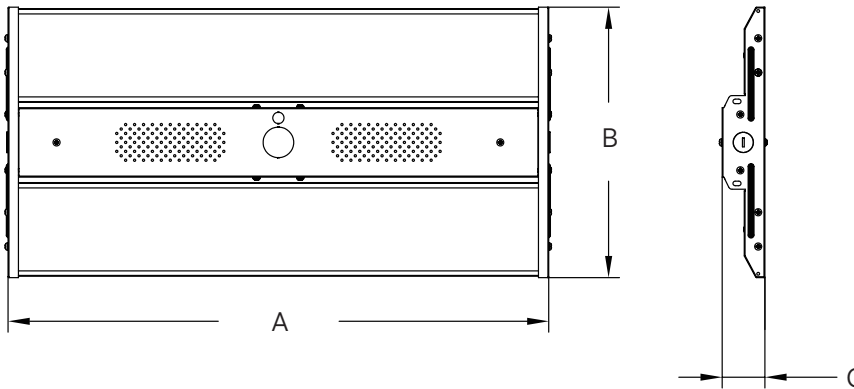
¹Contact customer service if interested in options other than those listed.



LHBD3 Series

LED Linear High Bay Specifications

Dimensional Drawing



Model	A	B	C
LHBD3-50K80H, LHBD3-50K110H, LHBD3-50K165H	23.6 in. (599 mm)	11.8 in. (300 mm)	1.9 in. (48 mm)
LHBD3-50K220H	23.6 in. (599 mm)	14.2 in. (361 mm)	1.9 in. (48 mm)
LHBD3-50K225H, LHBD3-50K300H	35.1 in. (892 mm)	14.2 in. (361 mm)	1.9 in. (48 mm)

Specifications

Model LHBD3-	50K80H	50K110H	50K165H	50K220H	50K225H	50K300H
Intensity	11,600 lm	15,400 lm	23,100 lm	30,800 lm	31,500 lm	42,000 lm
Operating Voltage	120-277 VAC					
Power Consumption	80 W	110 W	165 W	220 W	225 W	300 W
Current Draw	120 VAC	667 mA	917 mA	1.38 A	1.83 A	2.5 A
	277 VAC	289 mA	397 mA	596 mA	794 mA	1.08 A
Efficacy	145 lm/W	140 lm/W				
Color Temperature	5000K					
Beam Angle	90°					
CRI	80+					
Power Factor	≥ 0.9					
Dimming	0-10 V					
Environmental Rating	IP20, suitable for damp locations					
Ambient Operating Temperature	-4°-122° F (-20°-50° C)					
Rated Life (L70)	50,000 hours					

