

LHBDP2 Series

LED Linear High Bay Specifications

Project _____

Date _____ Type _____



LHBDP2-50K21-100



Description

LHBDP2 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 130 lumens per watt. 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

- 4000K and 5000K versions available
- 130 lm/W
- 115° beam angle
- 80+ CRI

Optional Accessories

- Merrytek microwave motion sensor (MC054V RC D)

Application

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

Available Models¹

- | | |
|-------------------------------------------|-------------------------------------------|
| <input type="checkbox"/> LHBDP2-40K21-100 | <input type="checkbox"/> LHBDP2-50K21-100 |
| <input type="checkbox"/> LHBDP2-40K41-165 | <input type="checkbox"/> LHBDP2-50K41-165 |
| <input type="checkbox"/> LHBDP2-40K41-225 | <input type="checkbox"/> LHBDP2-50K41-225 |
| <input type="checkbox"/> LHBDP2-40K42-325 | <input type="checkbox"/> LHBDP2-50K42-325 |

Part Number Breakdown

Example: LHBDP2-50K41-225

Family	CCT	Size [width, length]	Wattage
LHBDP2	40K [4000K] or 50K [5000K]	21 [narrow, 2' long]	100 [100 W]
		41 [narrow, 4' long]	165 [165 W]
			225 [225 W]
		42 [wide, 4' long]	325 [325 W]

Certifications and Compliances

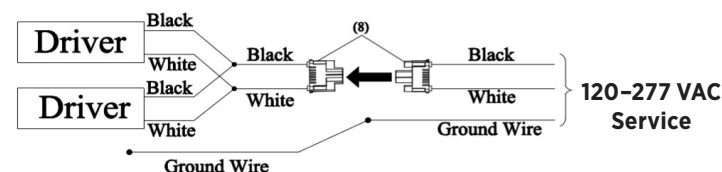
DesignLights Consortium listed as DLC 5.1 Premium. ETL Listed for damp/dry locations and RoHS compliant.



Warranty

- 5-year warranty

Wiring Diagram



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



T 866.811.5550

F 314.972.6202

email: commercial-sales@superbrightleds.com

www.superbrightleds.com/cat/industrial-led-lighting/

Rev V1 Date: 03/10/2022

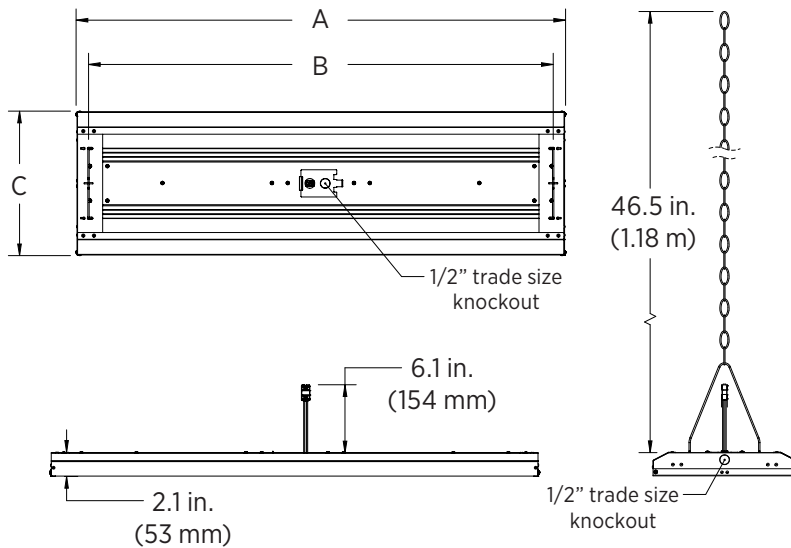
Specifications are subject to change without notice.

Printed in the U.S.A.

LHBD2 Series

LED Linear High Bay Specifications

Dimensional Drawing



Model	Length (A)	Length (B)	Width (C)
LHBDP2-xK21-100	24 in. (610 mm)	22 in. (559 mm)	12.6 in. (321 mm)
LHBDP2-xK41-165 / LHBDP2-xK41-225	46 in. (1.17 m)	44 in. (1.12 m)	12.6 in. (321 mm)
LHBDP2-xK42-325	46 in. (1.17 m)	44 in. (1.12 m)	17.1 in. (435 mm)

Specifications

Model	LHBDP2-xK21-100	LHBDP2-xK41-165	LHBDP2-xK41-225	LHBDP2-xK42-325
Intensity	13,000 lm	21,450 lm	29,250 lm	42,250 lm
Operating Voltage	120-277 VAC			
Power Consumption	100 W	165 W	225 W	325 W
Current Draw	833 mA @ 120 VAC 361 mA @ 277 VAC	1.38 A @ 120 VAC 596 mA @ 277 VAC	1.88 A @ 120 VAC 812 mA @ 277 VAC	2.71 A @ 120 VAC 1.17 A @ 277 VAC
Efficacy	130 lm/W			
Color Temperature	4000K or 5000K (as ordered)			
Beam Angle	115° (type V distribution)			
CRI	80+			
Power Factor	≥ 0.9			
Dimming	0-10 V			
Environmental Rating	IP20, damp or dry location only			
Ambient Operating Temperature	-4°-104° F (-20°-40° C)			
Rated Life (L70)	50,000 hours			

