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LHBSB-S1 Series

LED Linear High Bay Specifications

Project _____

Type _____ Date _____

LHBSB-S1-SW3C320W-WH35SP

Voltage 120–347 VAC | Selectable CCT | Sensor Ready | IP20

Selectable Beam Angle | Selectable Wattage | 0–10 V Dimming | 5 yr WARRANTY

Available Models[1]

- ☐ LHBSB-S1-SW3C160W-WH35SP
- ☐ LHBSB-S1-SW3C240W-WH35SP
- ☐ LHBSB-S1-SW3C320W-WH35SP

Part Number Breakdown

Example: LHBSB-S1-SW3C320W-WH35SP

Series	Selectable CCT	Selectable Wattage	Finish	Output Range	Feature
LHBSB-S1 [Linear High Bay, Dimmable, Selectable Beam]	**SW3C** [3500K, 4000K, 5000K]	**160W** [105, 130, 160W]	**WH** [White]	**35** [3500K-5000K]	**SP** [Selectable Power]
		240W [165, 215, 240W]			
		320W [255, 295, 320W]			

Overview

The selectable LED Linear High Bay features three beam angle, color temperature, and wattage choices for a customized light output giving you 27 output options in one fixture. The high bay has a high efficacy of 150 lm/W and replaces traditional metal-halide fixtures. It has an aluminum housing and a polycarbonate lens. Each fixture includes a hanging kit. Optional motion sensors are available and sold separately.

Features

- Selectable Beam Angle (45°x100°, 65°x95°, 90°x90°)
- Selectable CCT (3500K, 4000K, 5000K)
- Selectable Wattage (varies by model)
- High Efficacy of 150 lm/W
- Optional Motion sensor sold separately

Product Details

- Aluminum/Steel Housing
- Polycarbonate Lens
- Hanging Kit Included
- 0-10V Dimming
- 120-347 VAC input

Certifications and Compliances

- Certified by UL - UL 1598 (IFAM)

UL CERTIFIED

Applications

- Auditoriums
- Cafeterias
- Commercial Buildings
- Distribution Centers
- Grocery Stores
- Gymnasiums
- Manufacturing Plants
- Retail Applications
- Warehouses

Warranty

- 5-year warranty

T 866.811.5550 | **F** 314.972.6202
https://www.superbrightleds.com
email: commercial-sales@superbrightleds.com

[1]Contact customer service if interested in other options.

Rev V1.1 Date: 05/29/2026

Specifications are subject to change without notice

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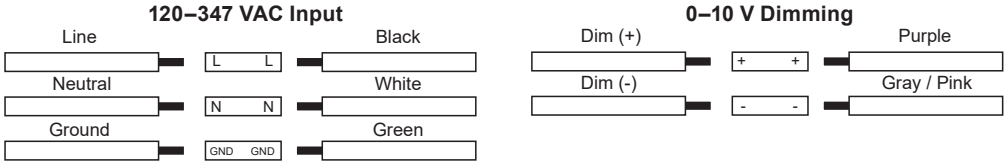
Wiring Diagram



Series	LHBSB-S1-SW3C
PHOTOMETRIC	
UL File Number	E366643
Beam Angle	Selectable Beam Angle (45°x100°, 65°x95°, or 90°x90°)
Color Temperature	Selectable CCT (3500K, 4000K, or 5000K)
CRI	80+
ELECTRICAL	
Operating Voltage	120–347 VAC
Surge Protection	6 kV (L/N-PE, L-N)
Power Factor	≥0.9
Dimmer Type	0-10V
MECHANICAL	
IP Rating	IP20
Environmental Rating	Suitable for Damp Locations, Indoor Only
Input Connection	Pigtail
Product Materials	Aluminum Housing, Steel Driver Housing, Polycarbonate Lens
Lens Type	Optical
Rated Life (L70)	50000 hours
Ambient Operating Temperature	-40 to 50°C (-40 to 122°F)

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SPECIFICATIONS				
Model		LHBSB-S1-SW3C160W-WH35SP		
DLC Product ID		–		
PHOTOMETRIC				
Lumens		15750 lm	19500 lm	24000 lm
Efficacy		150 lm/W		
ELECTRICAL				
Wattage		105 Watts	130 Watts	160 Watts
Current Draw	120 VAC	975mA	1.2A	1.6A
	277 VAC	420mA	520mA	640mA
	347 VAC	335mA	415mA	510mA

Model		LHBSB-S1-SW3C240W-WH35SP		
DLC Product ID		–		
PHOTOMETRIC				
Lumens		24750 lm	32250 lm	36000 lm
Efficacy		150 lm/W		
ELECTRICAL				
Wattage		165 Watts	215 Watts	240 Watts
Current Draw	120 VAC	1.5A	2.0A	2.4A
	277 VAC	660mA	860mA	960mA
	347 VAC	525mA	685mA	765mA

Model		LHBSB-S1-SW3C320W-WH35SP		
DLC Product ID		–		
PHOTOMETRIC				
Lumens		38250 lm	44250 lm	48000 lm
Efficacy		150 lm/W		
ELECTRICAL				
Wattage		255 Watts	295 Watts	320 Watts
Current Draw	120 VAC	2.4A	2.7A	3.0A
	277 VAC	1.0A	1.2A	1.3A
	347 VAC	815mA	940mA	1.0A

Note: model specific outputs are for 4000K.

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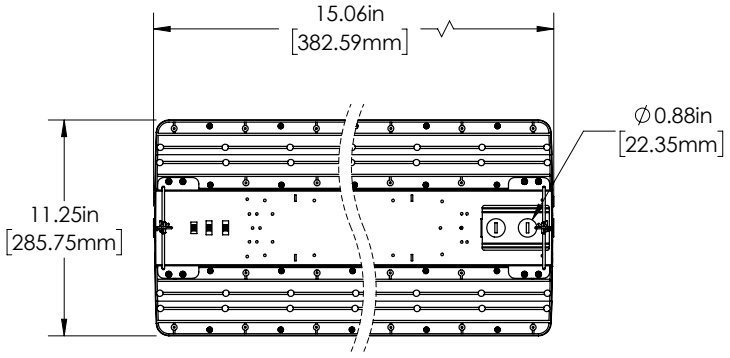
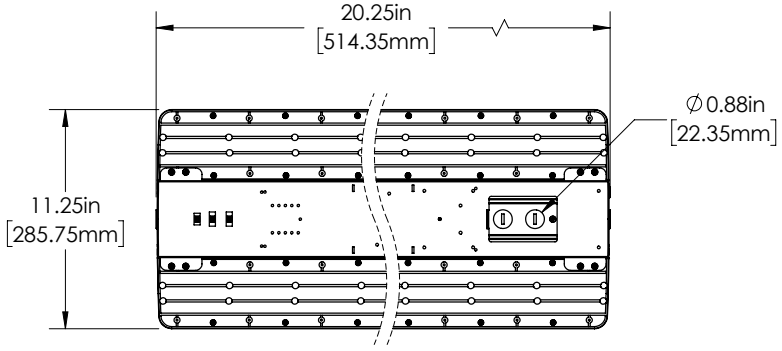
Dimensional Drawings

LHBSB-S1-SW3C160W-WH35SP



LHBSB-S1-SW3C240W-WH35SP



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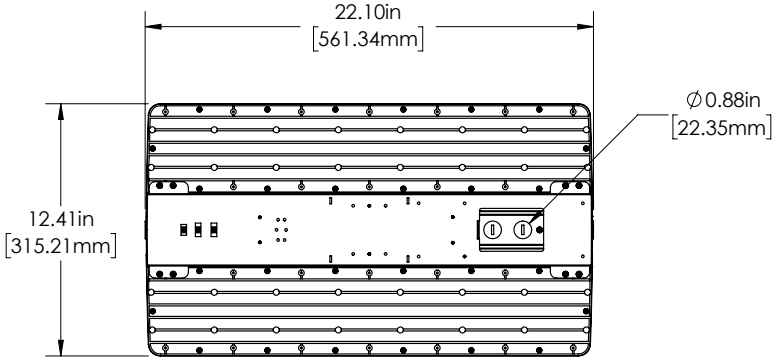
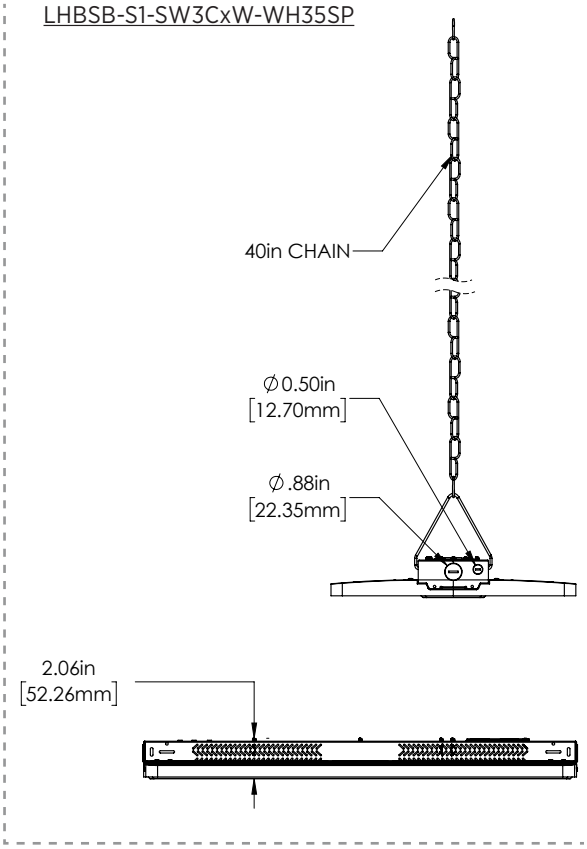


LHBSB-S1-SW3CxW-WH35SP



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