

Date:	Project:	Type:	Notes:	Catalog #:
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LCHB-AO SERIES

Adjustable Output LED Compact High Bay

The LCHB-AO Series is the perfect lighting solution for a wide variety of applications. LED technology allows power and light levels to be customized to meet both energy and design needs.



Features & Specifications

Applications

Ideal for use in warehouses, distribution centers, retail, gymnasiums, commercial and industrial applications.

Construction

Housing made of sheet metal stamping and is finished with a post-production baked white powder coat. Frosted PMMA optical glare-control lens.

Mounting

V- Hooks included for suspension mount. Chain and cable mount ready. Surface mount available. Cord and plug options offered.

Electrical

Utilizes high-efficiency LED power supply and circuit boards. 120-277V & 0-10V dimming standard. 480V option. 50/60HZ input frequency.

Operating Temperature

Suitable for -20°C – 50°C Ambient

Lumen Maintenance

L70 rating of 100,000 hours

Warranty

Five-year warranty. Terms and Conditions Apply. See warranty documentation for more information.

Certification

UL Damp Listed. Adheres to LM79, LM80 and TM21 industry standards. DesignLights Consortium® (DLC) 5.1 Premium. RoHS Compliant.



Performance Data

FSC Part #	Form Factor	Rated Wattage	Kelvin Temp	Delivered Lumens	Efficacy	CRI
LCHB-22-17L-AO	10" x 17"	78	4000	12,012	154	>83
		78	5000	12,090	155	>83
		92	4000	13,984	152	>83
		92	5000	14,076	153	>83
		115	4000	17,250	150	>83
		115	5000	17,365	151	>83
LCHB-22-27L-AO	10" x 23"	135	4000	20,790	154	>83
		135	5000	20,925	155	>83
		155	4000	23,560	152	>83
		155	5000	23,715	153	>83
		185	4000	27,750	150	>83
		185	5000	27,935	151	>83
LCHB-24-40L-AO	10" x 31"	200	4000	30,800	154	>83
		200	5000	31,000	155	>83
		230	4000	34,960	152	>83
		230	5000	35,190	153	>83
		270	4000	40,500	150	>83
		270	5000	40,770	151	>83
LCHB-24-60L-AO	10" x 44"	270	4000	41,580	154	>83
		270	5000	41,850	155	>83
		340	4000	51,680	152	>83
		340	5000	52,020	153	>83
		400	4000	60,000	150	>83
		400	5000	60,400	151	>83

Catalog Ordering

Sample Part # LCHB-22-17L-AO-50K

LCHB								
1	2	3	4	5	5	6	7	8
1 - Series	2 - Dimensions/ Wattage		3 - Type	4 - Color Temperature		5 - Distribution Type		
LCHB	22 - 17L	(1x1.5 Foot, 78 Watt) (1x1.5 Foot, 92 Watt) (1x1.5 Foot, 115 Watt)	AO (Adjustable Output)	40K (4000 Kelvin Temp)	50K (5000 Kelvin Temp)	Blank (General Distribution) ND (Narrow Distribution- Aisle Light)		
	22 - 27L	(1x2 Foot, 135 Watt) (1x2 Foot, 155 Watt) (1x2 Foot, 185 Watt)						
	24 - 40L	(1x2.5 Foot, 200 Watt) (1x2.5 Foot, 230 Watt) (1x2.5 Foot, 270 Watt)						
	24 - 60L	(1x4 Foot, 270 Watt) (1x4 Foot, 340 Watt) (1x4 Foot, 400 Watt)						

6 - Controls

OS On/Off PIR Occupancy Sensor
PRGOS-BT Keilton EFS104 Bluetooth PIR Daylight Occ Sensor
PRGOS-LK Keilton EFS01RE Programmable Bi-Level Daylight Occ Sensor
RM51 Keilton EFS01RE Programmable Occ Sensor Remote Control
PRGOS-LS Sensorswitch LSXR Occ Sensor w/ Dimming Photocell
PRGOS-LR IRTEC LRD Programmable Occ Sensor w/ Remote Control

7 - Options

EM10WT20 Title 20 Compliant Emergency Battery Backup, 10 Watts, ~1300 Lumens
(lumens will change based on fixture selection)
EM20WT20 Title 20 Compliant Emergency Battery Backup, 20 Watts, ~2600 Lumens
(lumens will change based on fixture selection)
ETS-DR UL924 Emergency Lighting Control Device
480SD-250 480v to 277v Step Down Transformer, <250 Watts
480SD-375 480v to 277v Step Down Transformer, <375 Watts
480SD-400 480v to 277v Step Down Transformer, <400 Watts
PLG (6' SJT Cord & Plug)
C6 (6' Cord)
L7/15P (277VT Twist-lock Plug)
PP (PowerPlus)
T24(*)W** Pre-set wattage to comply with T24 requirements.
BAA (Buy American Act Compliant)

8 - Accessories (Sold Separately)

10GL (10' Loop w/ Gripple Hanging Kit)³
TMB (Top Mount Box)
SMK (Surface Mount Kit)
LCHB-22-17L-WG (LCHB-22-17L Wireguard)
LCHB-22-27L-WG (LCHB-22-27L Wireguard)
LCHB-24-40L-WG (LCHB-24-40L Wireguard)
LCHB-24-60L-WG (LCHB-24-60L Wireguard)

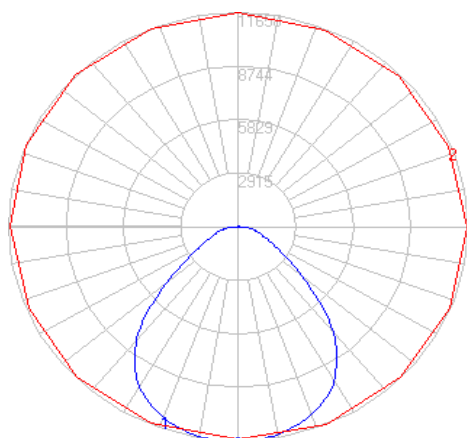
Photometric Data

LCBH-22-27L-40K Tested in accordance to IESNA LM-79

Zonal Lumen Summary

Zone	Lumens	%Luminaire
0-10	1,103.79	4.22%
10-20	3,185.45	12.18%
20-30	4,825.22	18.45%
30-40	5,689.00	21.76%
40-50	4,947.51	18.92%
50-60	3,082.59	11.79%
60-70	1,770.26	6.77%
70-80	1,049.79	4.01%
80-90	392.87	1.50%
90-100	9.39	0.03%
100-110	6.40	0.02%
110-120	7.24	0.02%
120-130	10.62	0.03%
130-140	13.75	0.05%
140-150	15.32	0.05%
150-160	14.57	0.05%
160-170	12.14	0.04%
170-180	4.80	0.01%

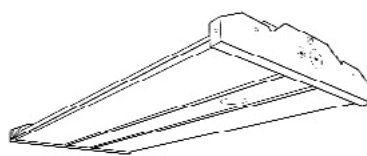
Polar Graph



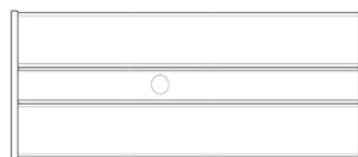
Physical Characteristics

Dimensions

Version	Depth	Length	Width	Weight
LCHB-22-17L	1.8"	16.5"	10.2"	6lbs
LCHB-22-27L	1.8"	22.8"	10.2"	7.75lbs
LCHB-24-40L	1.8"	31.1"	10.2"	10.75lbs
LCHB-24-60L	1.8"	44.1"	10.2"	14.75lbs



Bottom View



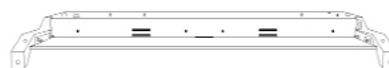
End View



Back View



Side View



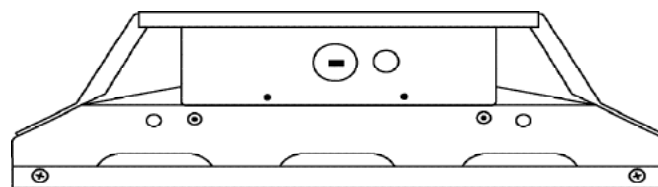
Versions

LCHB-24 (40L housing)



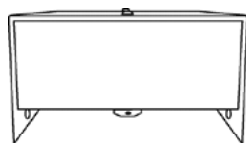
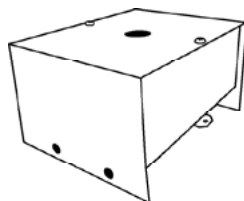
Mounting

SMK (Surface Mount Kit)

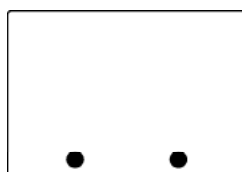


SMK Installed

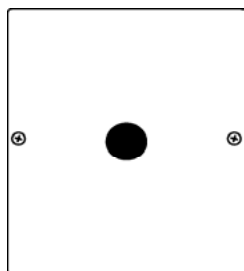
TMB (Top Mount Box)



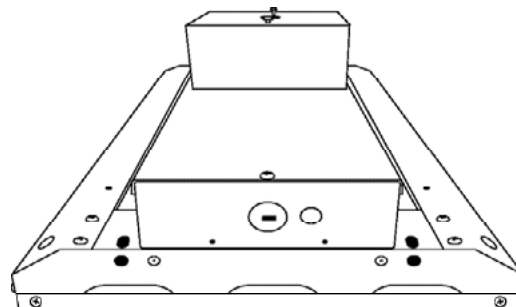
TMB Side View



TMB End View



TMB Top View



TMB Installed