

3LB Series • LED Light Bar For Vertical Mount Reach-In Door Cases

Product Specifications

Luminaire: 3rd Generation LB Series (replaces 2LB Series). Rugged aluminum alloy gray extrusion, aluminum end plates with gasket seals, and IP67 Wet Location rating.

LED: Single PCB with LM80 certified Nichia/Samsung brand white light emitting diodes (LEDs), each with a clear hemispherical plastic integral lens vertical aligned aimed at the horizon. 80+ CRI, standard is 4000K CCT, 3500K and 5000K also available.

Lens: Precision optical engineered clear PMMA lenses, design specific for fixture application.

Dimming Capable

Application

Introducing the 3rd Generation Display Case LED Light Fixture from 1 Source LED! The 3LB Series is unlike any other LED fixture on the market: The **ONLY** universal fixture design for **BOTH** VERTICAL REACH-IN DOOR and HORIZONTAL MULTI-DECK CANOPY/SHELF refrigerated or freezer display cases.

“Best In Class” performance is achieved through a series of patented optical lens designs and use of new generation Nichia/Samsung high performance LM80 NAVLAP certified LEDs. **NOW** is the time to retrofit your cases: EFFICIENCY at less than 4 watts per linear foot, the lowest PRICING structure in the industry, and PERFORMANCE that is unmatched by any competitor light fixture.

Documentation

ETL Report #: 3177542, Certified To: UL 2108, UL 8750, CSA C22.2#9.0

ETL Listing: Suitable For Wet Locations

Labels: ANSI/NSF 2 Issue:2010/05/20 Food Equipment

Qualified: Lighting Design Lab (LDL), DesignLights Consortium®

Patents: US Patent filed, Patent Pending

Tests: Independent Test Lab, Boulder, CO. (NRTL)
Tested to IESNA-LM79-08, LM-80 Procedures

Life Rating

80,000 Hrs, TM21 L70 (6k)
In-Situ Projection > 88,000 hrs

Driver (recommended)

1Source Part #: HR80L-24
Advance Part #: LED-120A-0024V-33F
24V DC, 3.3A, electronic, Class 2, 80-watts

Dimming Controller (recommended)

1Source Part #: DC-24VDC
Ramp type: 100% to 15%
Typical 4.0 Watts in Dimmed State



Included Hardware: (2) fixture mounting clips as applicable

ACCESSORIES

DRIVER



1Source Part#: HR80L-24
(recommended)
24VDC, 3.3A
Electronic Class 2
UL Listed

DIMMING CONTROLLER



1Source Part#: DC-24VDC
(recommended)
Ramp type: 100% to 15%
Typical 4.0 Watts in Dimmed State
24VDC, Class 2

3LB Series • LED Light Bar for Display Doors



ORDERING & SPECIFICATIONS

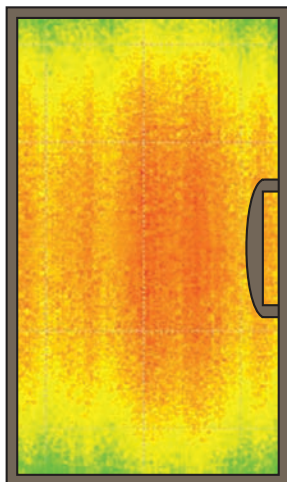
3LB Series • Cooler & Freezer Door Application										
Model Number	Application	Overall Fixture Length (inches)	W x D Dimension (mm)	Optical Lens Series	CCT	Total # Of LEDs Per Fixture	Total Input Watts	Total Lumens	Efficacy (LPW)	CRI
Reach-In Vertical Door: Middle Fixture										
3LB-6D-M160-4100K-NP	(MIDDLE) - 6' Door	70.5"	28 x 21	160°	4000K	84	22.0	1,606	73.0	84
3LB-5D-M160-4100K-NP	(MIDDLE) - 5' Door	59.0"	28 x 21	160°	4000K	70	18.4	1,343	73.0	84
3LB-4D-M160-4100K-NP	(MIDDLE) - 4' Door	47.5"	28 x 21	160°	4000K	56	14.7	1,073	73.0	84
3LB-4D-M120-4100K-HP	(MIDDLE) - 4' Door	47.5"	28 x 21	120°	4000K	84	21.8	1,540	70.6	84
3LB-4D-M160-3500K-NP	(MIDDLE) - 4' Door	47.5"	28 x 21	160°	3500K	56	14.9	1,260	84.0	85
Reach-In Vertical Door: Left / Right Fixture										
3LB-6D-L080-4100K-LP	(LEFT) - 6' Door	70.5"	28 x 21	80°	4000K	42	16.8	1,151	68.5	84
3LB-6D-R080-4100K-LP	(RIGHT) - 6' Door	70.5"	28 x 21	80°	4000K	42	16.8	1,151	68.5	84
3LB-5D-L080-4100K-LP	(LEFT) - 5' Door	59.0"	28 x 21	80°	4000K	35	14.0	975	69.7	84
3LB-5D-R080-4100K-LP	(RIGHT) - 5' Door	59.0"	28 x 21	80°	4000K	35	14.0	975	69.7	84
3LB-4D-L080-4100K-LP	(LEFT) - 4' Door	47.5"	28 x 21	80°	4000K	28	11.6	800	69.0	84
3LB-4D-R080-4100K-LP	(RIGHT) - 4' Door	47.5"	28 x 21	80°	4000K	28	11.6	800	69.0	84
3LB-4D-L120-4100K-NP	(LEFT) - 4' Door	47.5"	28 x 21	120°	4000K	56	15.3	1,062	69.4	84
3LB-4D-R120-4100K-NP	(RIGHT) - 4' Door	47.5"	28 x 21	120°	4000K	56	15.3	1,062	69.4	84
3LB-4D-L080-3500K-LP	(LEFT) - 4' Door	47.5"	28 x 21	80°	3500K	28	9.8	851	87.0	85
3LB-4D-R080-3500K-LP	(RIGHT) - 4' Door	47.5"	28 x 21	80°	3500K	28	9.8	851	87.0	85



Bold Text model numbers are DesignLights Consortium® qualified luminaires. Other model numbers are pending and in progress as a "family" qualification.

LIGHTING DISTRIBUTION TEST • OPTICAL IMAGING

5' Door with Two Middle Fixtures



- = 700 –800 Lux
- = 800 –900 Lux
- = 900+ Lux



Spacing: 30" On Center



middle fixture #1

middle fixture #2

MOUNTING CONFIGURATION & HARDWARE

All Door Configuration Fixtures Include Bracket End Plates and Qty. 2 Fixture Mounting Clips As Pictured Below:



End Plate Mounting Bracket



(2) Mounting Clips per Fixture

Installation crews have the option to use EITHER the Bracket End Plates OR Fixture Clips when mounting fixtures to case mullions. 1 Source recommends installing at least one (1) screw at either end Bracket End Plate to secure fixture and prevent fixture from sliding down mounting clips upon door open and closure.

Please visit 1SourceLED.com to download complete specification sheets.