

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

### Product Specifications

**Luminaire:** 3<sup>rd</sup> 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.

**Not all products are qualified on the DLC QPL. For a complete list of our qualified products, please consult the DLC Qualified Products List at [www.designlights.org/qpl](http://www.designlights.org/qpl).**

### Application

**Introducing the 3<sup>rd</sup> 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

Please visit [1SourceLED.com](http://1SourceLED.com) to download complete specification sheets.

## 3LB Series • LED Light Bar for Display Doors

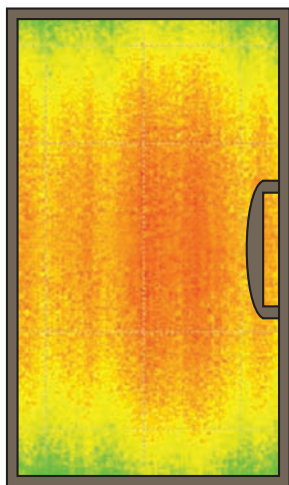
### ORDERING & SPECIFICATIONS




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	
<b>Reach-In Vertical Door: Middle Fixture</b>											
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	
<b>Reach-In Vertical Door: Left / Right Fixture</b>											
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	

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#### 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.