

XLHB & XLHB SU with Uplight LED Linear High/Low Bay

Leading Specification Features



Marketing Positioning Statement

The XLHB LED Linear High Bay/Low Bay and XLHB SU LED Linear High Bay/Low Bay with Up-Light deliver the perfect combination of low energy consumption in a wide variety of lumen outputs ranging from 8,000 to over 48,000 lumens. With its sleek design, XLHB and XLHB SU are excellent retrofit or new construction choices in place of traditional metal halide or linear fluorescent fixtures for use in factories, warehouses, distribution centers, cold storage, retail applications or any indoor application that demands an attractive yet rugged fixture. Distribution choices include Symmetric (S); Aisle Lighter (AL); Symmetric with diffused lens (SDFL) and Uplight (SU).



Superior Control Technology & Thermal Management

Thermal Control Driver features integral sensor
Reduces drive current when ambient temperature exceeds rated temperature

Integral Motion Sensor (IMS) Choose IMS0 (on/off) or IMS30 (dims output to 30% of maximum drive current)

Dimming (DIM) 0-10V dimming enabled with controls by others

Low Total Cost of Ownership - Quick Payback

Annual Energy & Maintenance Savings \$6,150 savings for (50) XLHB 2 SS fixtures replacing (50) 250W MH fixtures

\$8,165 savings for (50) XLHB 4 SS fixtures replacing (50) 400W MH fixtures

\$10,005 savings for (50) XLHB 6 SS fixtures replacing (50) 575W MH fixtures

\$13,640 savings for (50) XLHB 8 SS fixtures replacing (50) 775W MH fixtures

Payback Analysis ROI of 2.5 years for XLHB 2 example
ROI of 2.2 years for XLHB 4 example
ROI of 2.3 years for XLHB 6 example
ROI of 2.0 years for XLHB 8 example

Based upon 12 hour daily operation at \$.10kwh

Outstanding Uniformity & Visual Comfort

Industry-Leading Optical Unit Features a slim 4" (XLHB) or 5-11/16" (XLHB SU) profile housing in die-formed steel

Clear polycarbonate lens standard

Optional diffused lens (DFL)

XLHB SU features 8% uplight

Lumen Output Wide range of lumen outputs available by varying the number of LED rows from 2 through 8, as well as drive currents

Available lumen range of 7,509 to 48,561

LIGHT OUTPUT - Linear High Bay Diffused Lens*							
Uplight Distribution		Lumens		Watts		LPW	
		SU	AL	SU	AL	SU	AL
Cool White	XLHB - 2 - SS	8,090	N/A	76	N/A	106	N/A
	XLHB - 2 - HO	11,111	N/A	109	N/A	102	N/A
	XLHB - 4 - SS	15,745	N/A	148	N/A	106	N/A
	XLHB - 4 - HO	20,599	N/A	200	N/A	103	N/A
	XLHB - 6 - SS	24,906	N/A	218	N/A	114	N/A
	XLHB - 6 - HO	34,222	N/A	320	N/A	107	N/A
	XLHB - 8 - SS	32,751	N/A	288	N/A	114	N/A
	XLHB - 8 - HO	43,114	N/A	400	N/A	108	N/A
Neutral White	XLHB - 2 - SS	7,745	N/A	77	N/A	101	N/A
	XLHB - 2 - HO	10,556	N/A	110	N/A	96	N/A
	XLHB - 4 - SS	15,420	N/A	145	N/A	106	N/A
	XLHB - 4 - HO	20,253	N/A	200	N/A	101	N/A
	XLHB - 6 - SS	23,467	N/A	221	N/A	106	N/A
	XLHB - 6 - HO	32,299	N/A	322	N/A	100	N/A
	XLHB - 8 - SS	31,057	N/A	288	N/A	108	N/A
	XLHB - 8 - HO	40,612	N/A	400	N/A	101	N/A

*Uplight not available with Clear Lens or AL distribution.

LIGHT OUTPUT - Linear High Bay Clear Lens*										
Standard Distribution		Lumens			Watts			LPW		
		SDFL	S	AL	SDFL	S	AL	SDFL	S	AL
Cool White	XLHB - 2 - SS	8,012	9,232	9,213	76	76	76	105	121	121
	XLHB - 2 - HO	10,929	12,557	12,581	109	109	109	100	115	116
	XLHB - 4 - SS	15,277	17,953	18,337	145	143	145	106	126	127
	XLHB - 4 - HO	19,951	23,326	23,931	200	200	200	100	117	120
	XLHB - 6 - SS	24,747	27,860	27,834	217	217	219	114	128	127
	XLHB - 6 - HO	33,979	38,228	38,132	320	320	320	106	119	119
	XLHB - 8 - SS	32,915	37,179	36,678	286	288	286	115	129	128
	XLHB - 8 - HO	43,110	48,561	48,204	400	400	400	108	121	120
Neutral White	XLHB - 2 - SS	7,509	8,837	8,853	77	75	75	98	118	118
	XLHB - 2 - HO	10,262	12,119	12,133	110	110	110	93	110	110
	XLHB - 4 - SS	14,426	16,951	16,836	141	141	143	102	120	118
	XLHB - 4 - HO	19,167	21,970	22,037	197	197	200	97	111	110
	XLHB - 6 - SS	23,222	26,362	26,124	220	221	221	106	119	118
	XLHB - 6 - HO	31,812	36,169	35,852	321	322	322	99	112	111
	XLHB - 8 - SS	30,715	34,903	34,457	286	286	289	107	122	119
	XLHB - 8 - HO	40,113	45,753	45,079	399	399	400	101	115	113

* Note: SDFL - Symmetric Diffused Lens, S - Symmetric Clear Lens, AL - Aisle Lighter Diffused Lens Only

Leading Selection of Light Output Options

Distribution Options XLHB – Type S Symmetric, Type AL Aisle Lighter or Type SDFL Symmetric with Diffused Lens

XLHB SU – Type SU Symmetric with Uplight

Drive Currents Choice of Super Saver (SS) or High Output (HO)

High Efficacy Up to 129 lumens per watt

Color Rendering Index Nominal CRI of 70 for 5000K CCT or 80 for 4000K CCT facilitate recognition of specific colors of various objects to meet industry standards

Color Temperature Cool white (5000K) achieves desired “bright” appearance while requiring fewer foot candles

Neutral white (4000K) for a warmer color temperature

Temperature Range -40°C to +50°C (-40°F to 122°F)
SS max = 55°C, HO max = 40°C

Suitable for use in a wide range of ambient temperatures

Input Voltage Universal voltage 120V thru 277V (50/60hz input)

347-480V Available

Unparalleled Speed & Ease of Installation

Mounting Available in Pendant (PM), Single Hub Chain (SHC), Hook Cable Hangers (HCH) or Tandem Mount (TMK)

Lightweight 2/4 LED row units -23 pounds
6/8 LED row units - 34 pounds

Maintenance Free Once installed, the XLHB and XLHB SU are virtually maintenance free

Exceptional Reliability in an LED High/Low Bay Fixture

Housing Die-formed steel – expands from 2 to 4, 6 or 8 LED rows for increased lumen output

Designed vertical fins serve as heat sink

Design resists accumulation of dirt and debris

Single screw access to driver and wiring connections

Purpose built for high bay or low bay applications

Superior Listings To UL1598, UL8750 and other U.S. and International safety standards

Suitable for damp locations

Finish Finished with LSI’s DuraGrip® polyester powder coat process

Resists cracking and peeling

Long-Life Minimum 60,000 hours to 100,000 hours depending upon ambient temperature of installation location

Once installed, virtually maintenance free

Surge Protector Meets IEEE C62.41.2-2002, Location Category C, 10KV

Prevents damage to fixture due to unexpected “surge” or “swell” in AC Line Voltage

Warranty Limited 5-year warranty

DLC Selected versions of this product are on the DLC Qualified Products List (QPL). Consult the LSI website or the DLC QPL website at www.designlights.org for specific products listed.

