

Project:	Catalogue:	Type:
Notes:		

Product Description

The LSVB is a rugged commercial-grade enclosed and gasketed IP66 luminaire. It is ideal for use with indoor and outdoor applications where high-efficiency, performance and a high degree of ingress protection from dust/water is required. This luminaire's 5VA flame rated polycarbonate housing and lens make it non-corrosive and impact resistant.

Applications

Canopies, Cold Storage Facilities, Garages/Workshops, Dusty and Wet environments.



Features

- NEMA 4X / IP66
- 4 x Tri-Wing tamper resistant screws standard
- Dust and water resistant
- Shallow and narrow design
- Lightweight, 5VA injection molded housing and lens
- Standard low voltage dimming (0-10v, 10%)

Featured Options

- Internal and external occupancy Motion Sensors
- Low temperature (-40C)

Optical System

Standard diffuser is injection molded, UV stabilized frosted polycarbonate diffuser designed for high-efficiency while providing reduced glare. Smooth surface faces outwards.

Mounting

Stainless steel surface mounting brackets allows for ceiling or suspended mount or wall mount. Optional stainless steel V-hooks available for chain hanging (V-hooks and chain not included). Snap-in mounting brackets provided for chain or ceiling surface mounting. Offset mounting pads which keep luminaire level and slightly off of the mounting surface are formed within the housing.

Construction

Lightweight, injection molded, high mechanical resistant housing. Hole on one end is 7/8 inch nominal diameter comes with a strain relief connector. The other end has provisional 7/8" knock-out if required in row mounting applications. Diffuser flange fits into the gasketed retention slot providing a continuous seal, and is held in place with stainless steel retaining latches.

Finish

Light grey polycarbonate housing.

Electrical

Long life LEDs coupled with high efficiency drivers provide quality illumination. Rated to deliver L80 performance > 60,000 hours.

Warranty

5 year limited warranty. For complete warranty, click here:



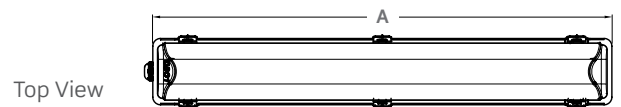
Approvals

- Approved to CSA and UL standards
- Wet Locations. Meet IP66. NEMA 4X
- Tested to LM-79-08 standards
- DesignLights Consortium® Qualified.

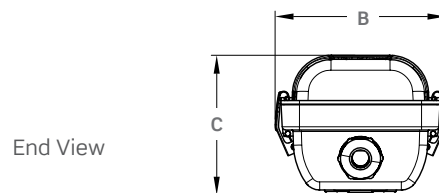
All configurations may not be DLC qualified. Check www.designlights.org/QPL for qualified configurations.



Dimensions



Top View



End View

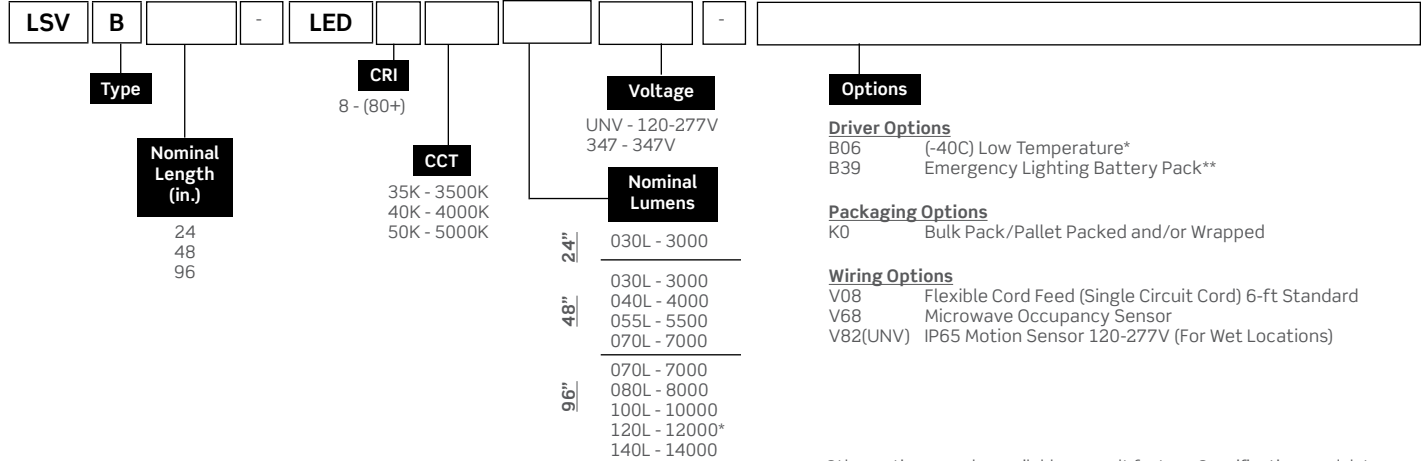
Size	A	B	C
24"	25 9/16"	3 1/4"	3 7/8"
48"	47 1/4"	3 1/4"	3 7/8"
96"	93 3/4"	3 1/4"	3 7/8"

Consult installation guide for exact dimensions.

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Order Key

EXAMPLE: LSVB48-LED840K040LUN3



Other options may be available, consult factory. Specifications and data subject to change without notice.

*Not available with UN3
**Not available in 24", UN3 & 347V.

Performance Data

LED Performance					
Size	Nominal Lumens	Delivered Lumens	Watts (120-277V)	Lumens per Watts	Thermal Performance
24	030L	3158	21.5	146.7	40
48	030L	3178	21.2	150.2	45
	040L	4058	27.8	146	40
	055L	5536	39.7	139.3	40
	070L	7211	51.2	140.9	35
96	070L	7042	46.5	151.4	45
	080L	8041	54	149	45
	100L	10111	66.9	151.2	40
	120L	11942	80.7	147.9	40
	140L	14663	102.4	143.2	35

Values based on 840K with standard lens at 25C

Mounted Accessories (Ordered Separately)
 KIT00001 Chain Set (2) 4ft w/ S-hooks.M10
 KIT00072 Single Cable with Adjustable Lock & Toggle

Performance Scaling Factor

	50K	40K	35K	30K
80CRI	1.000	1.000	0.960	0.946
90CRI	0.875	0.875	0.836	0.809

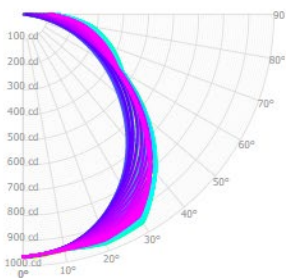
Lifetime Expectancy

	Calculated Hours	Reported Hours
L70	≥ 238,000	> 60,000
L80	≥ 149,000	> 60,000
L90	≥ 71,000	> 60,000

Values based on 840K

Photometrics

IES File: LSVB48-LED840K030LUNV
 Lumens: N/A
 Wattage: 22
 Efficacy: 144



Zonal Lumen Summary

Zone	Lumens	%
0.0° - 30.0°	770	24.2%
0.0° - 40.0°	1284	40.4%
0.0° - 60.0°	2275	71.6%
0.0° - 90.0°	3033	95.4%

Average Luminance Table (cd/m2) CP Summary

	0.00°	45.00°	90.00°
0.00°	8462	8462	8462
45.00°	8451	7232	5509
55.00°	7755	6087	4583
65.00°	7777	4938	3594
75.00°	9248	4408	2167
85.00°	14193	4217	293

Coefficients of Utilization

pc	80%			80%			70%					
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	30%
0	3749	3749	3749	3749	3645	3645	3645	3451	3451	3273	3273	3110
1	3382	3213	3062	2925	3278	3126	2988	2863	2962	2849	2746	2812
2	3063	2783	2553	2359	2963	2710	2498	2319	2572	2395	2242	2445
3	2787	2436	2165	1949	2694	2374	2124	1922	2257	2044	1869	2149
4	2548	2154	1865	1645	2462	2101	1833	1625	2002	1770	1587	1910
5	2341	1921	1628	1412	2263	1877	1602	1397	1792	1552	1368	1713
6	2160	1728	1437	1229	2089	1689	1416	1217	1617	1375	1195	1549
7	2002	1564	1281	1082	1937	1531	1263	1073	1469	1229	1055	1410
8	1862	1425	1151	962	1804	1397	1136	955	1343	1108	940	1292
9	1739	1307	1042	863	1685	1282	1029	857	1234	1005	845	1190
10	1629	1204	949	780	1581	1182	939	775	1141	918	765	1101

Effective Floor Cavity Reflectance: 20%