

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:



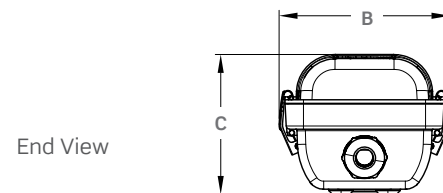
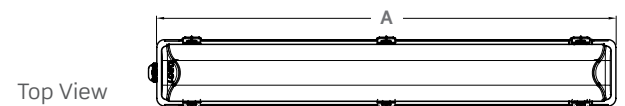
Approvals

- 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



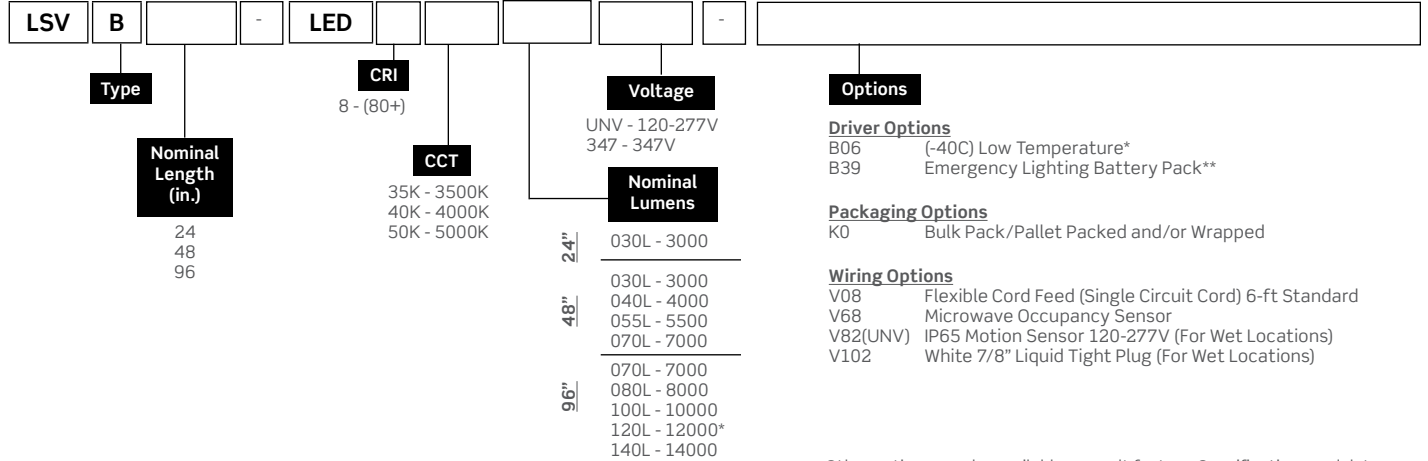
Size	A	B	C
24"	25 9/16"	3 1/4"	3 7/8"
48"	47 1/4"	3 1/4"	3 7/8"
96"	93 3/4"	3 1/4"	3 7/8"

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

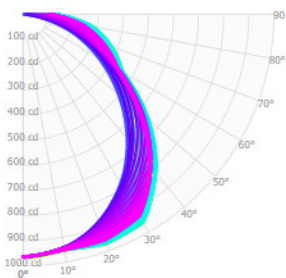
Lifetime Expectancy

	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%
0	3749 3749 3749	3749 3645 3645	3645 3645 3451 3451 3273 3273 3110 3110 3033
1	3382 3213 3062	2925 3278 3126	2988 2863 2962 2849 2746 2812 2720 2635 2674 2600 2532 2531
2	3063 2783 2553	2359 2963 2710	2498 2319 2572 2395 2242 2445 2298 2169 2327 2206 2099 2146
3	2787 2436 2165	1949 2694 2374	2124 1922 2257 2044 1869 2149 1969 1818 2049 1898 1768 1845
4	2548 2154 1865	1645 2462 2101	1833 1625 2002 1770 1587 1910 1711 1549 1824 1654 1513 1608
5	2341 1921 1628	1412 2263 1877	1602 1397 1792 1552 1368 1713 1504 1340 1640 1458 1312 1419
6	2160 1728 1437	1229 2089 1689	1416 1217 1617 1375 1195 1549 1335 1172 1485 1298 1151 1264
7	2002 1564 1281	1082 1937 1531	1263 1073 1469 1229 1055 1410 1196 1037 1355 1165 1019 1135
8	1862 1425 1151	962 1804 1397	1136 955 1343 1108 940 1292 1080 926 1244 1054 911 1028
9	1739 1307 1042	863 1685 1282	1029 857 1234 1005 845 1190 982 833 1148 959 821 937
10	1629 1204 949	780 1581 1182	939 775 1141 918 765 1101 898 755 1064 879 745 859

Effective Floor Cavity Reflectance: 20%