

# LSVB - Select

LED - Selectable Sealed Vapor B

Project:	Catalogue:	Type:
Notes:		

## Product Description

The LSVB is a colour selectable 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

- 3 colour temperatures (3500K, 4000K & 5000K)
- 3 wattages (low, medium & high)
- Compatible with 120, 277 & 347 V
- 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. Total harmonic distortion < 15%. Operating temperature ranked from -20 to 40C.

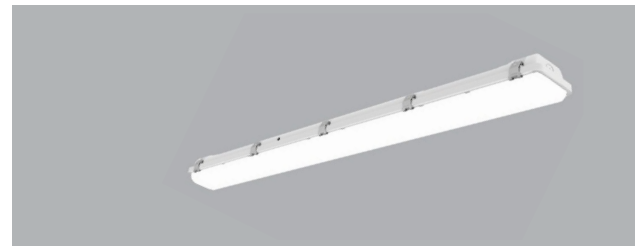
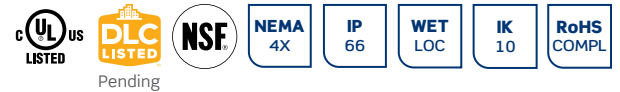
## Warranty

5 year limited warranty. For complete warranty, click here: [5YR Warranty](#)

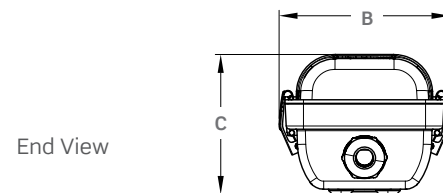
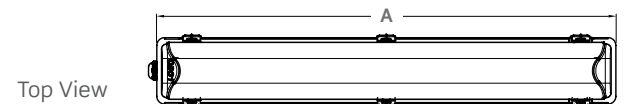


## Approvals

- Approved to CSA/UL standards. UL listed for insulated ceilings.
- Wet Locations. Meet IP66. NEMA 4X
- Tested to LM-79-08 standards
- DesignLights Consortium® Pending.



## Dimensions



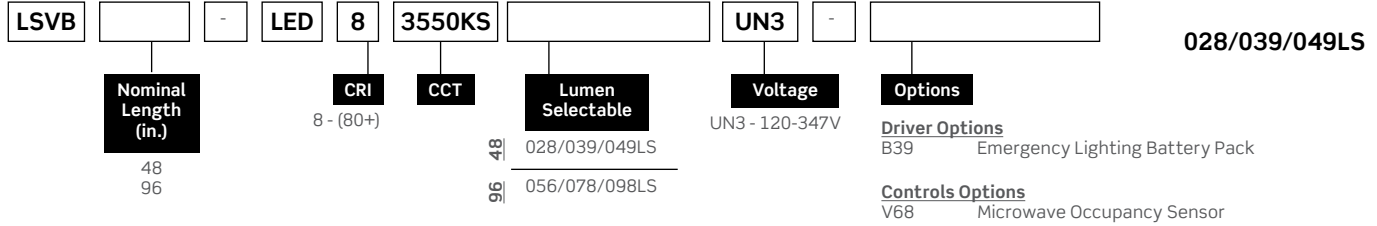
Size	A	B	C
48"	47 1/4"	3 1/4"	3 7/8"
96"	93 3/4"	3 1/4"	3 7/8"

Consult installation guide for exact dimensions.

Project:	Catalogue:	Type:
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### Order Key

EXAMPLE: LSVB48-LED83550KSUN3



### Performance Table

Size	Output	3500K			4000K			5000K		
		lm	W	lm/W	lm	W	lm/W	lm	w	lm/W
48	Low	2,785	19.3	144.3	2,843	18.9	150.3	2,814	19.5	144.5
	Medium	3,831	27.0	141.9	3,976	26.4	150.3	3,852	27.3	141.3
	High	4,707	34.0	138.4	4,913	33.1	148.4	4,700	34.4	136.7
96	Low	5,570	39	144.3	5,686	38	150.4	5,628	39	144.3
	Medium	7,662	54	141.9	7,952	53	150.6	7,704	55	141.1
	High	9,414	68	138.4	9,826	66	148.4	9,400	69	136.6

### Performance Scaling Factor

	50K	40K	35K	30K
80CRI	1.000	1.000	0.960	0.946

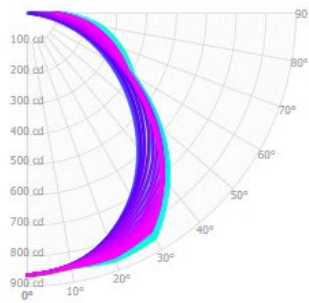
### Lifetime Expectancy

	Calculated Hours	Reported Hours
L70	≥ 235,000	> 60,000
L80	≥ 148,000	> 60,000
L90	≥ 70,000	> 60,000

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

### Photometrics

IES File: LSVB48-LED83550KSUN3(LO)  
 Lumens: N/A  
 Wattage: 18.9  
 Efficacy: 150



### Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	689	24.2%
0.0° - 40.0°	1148	40.4%
0.0° - 60.0°	2035	71.6%
0.0° - 90.0°	2714	95.4%

### Average Luminance Table (cd/m<sup>2</sup>) CP Summary

	0.00°	45.00°	90.00°
0.00°	7570	7570	7570
45.00°	7560	6470	4928
55.00°	6937	5445	4100
65.00°	6957	4417	3215
75.00°	8273	3943	1938
85.00°	12697	3772	262

### Coefficients of Utilization

Values are lumens delivered to the workplane from a single luminaire

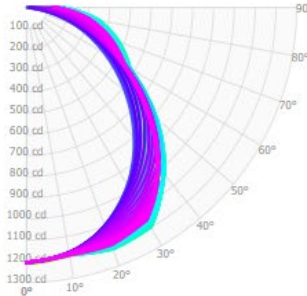
pc	80%				70%				50%				30%				10%				0%			
	pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%		
0	3354	3354	3354	3354	3261	3261	3261	3261	3087	3087	3087	2928	2928	2928	2782	2782	2782	2782	2714					
1	3025	2874	2739	2617	2933	2796	2673	2562	2650	2549	2456	2516	2434	2358	2392	2326	2265	2194						
2	2740	2490	2283	2110	2651	2424	2235	2074	2301	2142	2006	2187	2055	1940	2082	1974	1877	1807						
3	2493	2179	1937	1744	2410	2124	1900	1719	2019	1829	1672	1923	1761	1626	1833	1698	1582	1512						
4	2280	1927	1669	1472	2203	1880	1640	1454	1791	1584	1419	1709	1530	1386	1632	1479	1353	1285						
5	2094	1719	1457	1263	2024	1679	1433	1250	1603	1388	1224	1532	1345	1198	1467	1304	1173	1108						
6	1933	1545	1285	1099	1869	1511	1267	1089	1446	1230	1069	1386	1195	1049	1329	1161	1029	967						
7	1791	1399	1145	968	1733	1370	1130	959	1314	1100	943	1261	1070	928	1212	1042	912	852						
8	1666	1275	1029	861	1613	1250	1016	854	1201	991	841	1155	966	828	1113	942	815	758						
9	1555	1169	932	772	1508	1147	921	767	1104	899	756	1064	878	745	1027	858	734	680						
10	1457	1077	849	698	1414	1057	840	693	1020	821	684	985	804	675	952	786	666	615						

Effective Floor Cavity Reflectance: 20%

Project:	Catalogue:	Type:
Notes:		

## Photometrics

IES File: **LSVB48-LED83550KSUN3(MO)**  
 Lumens: **N/A**  
 Wattage: **26.4**  
 Efficacy: **151**



### Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	963	24.2%
0.0° - 40.0°	1606	40.4%
0.0° - 60.0°	2845	71.6%
0.0° - 90.0°	3794	95.4%

### Average Luminance Table (cd/m<sup>2</sup>) CP Summary

	0.00°	45.00°	90.00°
0.00°	10582	10582	10582
45.00°	10545	9028	6890
55.00°	9678	7601	5733
65.00°	9727	6183	4494
75.00°	11580	5529	2711
85.00°	17695	5268	373

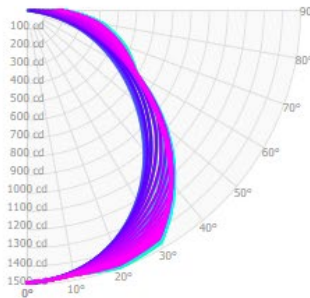
### Coefficients of Utilization

Values are lumens delivered to the workplane from a single luminaire

pc	80%				70%				50%			30%			10%			0%	
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
pw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	4230	4019	3829	3659	4100	3910	3737	3581	3705	3564	3434	3517	3403	3296	3344	3252	3167	3068	
2	3831	3481	3193	2950	3707	3390	3125	2900	3217	2995	2804	3058	2874	2712	2911	2759	2625	2526	
3	3486	3047	2708	2438	3369	2970	2656	2404	2824	2557	2337	2688	2463	2273	2563	2373	2211	2114	
4	3187	2694	2333	2057	3080	2628	2293	2033	2504	2214	1985	2389	2140	1938	2282	2068	1892	1797	
5	2928	2403	2036	1766	2830	2347	2004	1747	2241	1941	1711	2143	1881	1675	2051	1823	1641	1549	
6	2702	2161	1797	1537	2613	2113	1771	1522	2022	1720	1494	1937	1670	1466	1858	1623	1439	1352	
7	2504	1957	1602	1353	2423	1915	1580	1342	1837	1537	1319	1764	1496	1297	1695	1457	1275	1192	
8	2329	1783	1439	1203	2256	1747	1421	1194	1679	1385	1176	1616	1351	1158	1556	1318	1140	1060	
9	2175	1634	1303	1079	2108	1603	1288	1072	1544	1258	1057	1488	1228	1042	1436	1200	1027	951	
10	2037	1506	1188	976	1977	1479	1174	969	1427	1149	957	1378	1124	944	1331	1099	932	860	

Effective Floor Cavity Reflectance: 20%

IES File: **LSVB48-LED83550KSUN3(HO)**  
 Lumens: **N/A**  
 Wattage: **33.1**  
 Efficacy: **148**



### Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	1190	24.2%
0.0° - 40.0°	1985	40.4%
0.0° - 60.0°	3516	71.6%
0.0° - 90.0°	4690	95.5%

### Average Luminance Table (cd/m<sup>2</sup>) CP Summary

	0.00°	45.00°	90.00°
0.00°	13087	13087	13087
45.00°	13247	11286	8513
55.00°	12196	9529	7074
65.00°	12284	7742	5540
75.00°	14766	6923	3340
85.00°	22801	6670	456

### Coefficients of Utilization

Values are lumens delivered to the workplane from a single luminaire

pc	80%				70%				50%			30%			10%			0%	
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
pw	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	5227	4966	4732	4521	5067	4831	4618	4426	4579	4404	4244	4347	4205	4074	4133	4019	3913	3792	
2	4734	4302	3945	3645	4580	4188	3861	3584	3975	3701	3465	3779	3551	3352	3597	3410	3244	3122	
3	4307	3765	3346	3013	4163	3670	3282	2970	3489	3160	2888	3322	3043	2809	3167	2933	2733	2612	
4	3939	3329	2883	2542	3806	3248	2833	2512	3095	2736	2452	2952	2644	2395	2820	2556	2338	2221	
5	3619	2970	2516	2182	3497	2901	2476	2159	2770	2399	2114	2648	2325	2071	2534	2253	2028	1915	
6	3339	2670	2221	1899	3229	2611	2188	1881	2499	2125	1846	2394	2064	1812	2296	2006	1779	1671	
7	3094	2418	1979	1672	2994	2367	1952	1658	2270	1900	1630	2180	1849	1603	2095	1801	1576	1473	
8	2878	2203	1779	1487	2788	2159	1756	1475	2075	1712	1453	1997	1670	1431	1923	1629	1409	1311	
9	2687	2019	1610	1334	2605	1981	1591	1325	1908	1554	1306	1839	1518	1287	1774	1483	1269	1176	
10	2518	1861	1468	1206	2443	1827	1451	1198	1763	1420	1182	1703	1389	1167	1645	1359	1151	1063	

Effective Floor Cavity Reflectance: 20%