

Project:	Catalogue:	Type:
Notes:		

Product Description

Commercial-grade, low profile LED troffer luminaire. Ideal for shallow plenums, it features an evenly illuminated and fully luminous aperture with low glare performance. This troffer provides superior uniform illumination, making it the perfect replacement for fluorescent luminaires in offices, schools, hospitals, and commercial buildings. Designed for easy installation and maintenance, it ensures long-lasting performance and energy efficiency.

Applications

Office Areas, Retail Stores, Classrooms, Corridors, Hospitals, Nursing Homes

Features

- Fully luminous aperture
- Uniform illumination
- Multiple control options
- Shallow profile for obstructed plenum applications
- Available in 1x4, 2x2, 2x4, and 20x60 configurations
- Standard low voltage dimming (0-10v), 10%

Featured Options

- 1% dimming
- Air handling
- Tunable White

Optical System

Frosted single-piece diffuser.

Mounting

This luminaire has been specifically designed for T-Bar applications.

Construction

Die-formed, cold rolled steel housing assembly. Wiring access plates and knockouts are provided on back of housing. Anchor points at each corner are also provided for suspended cable mounting, as well as hooks for seismic code compliance. Field serviceable design, allowing in-field access for maintenance

Finish

White, polyester powder painted housing.

Electrical

Long life LEDs coupled with high efficiency drivers provide quality illumination. Rated to deliver L80 performance > 60,000 hours. Standard low voltage dimming (0-10v) driver.

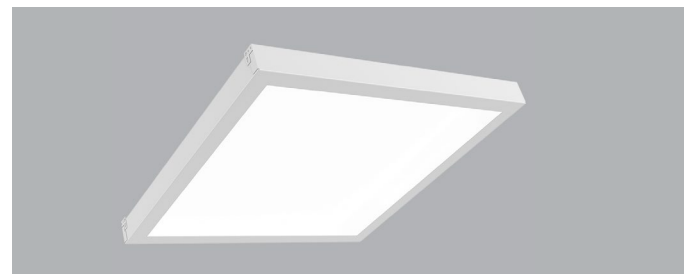
Warranty

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

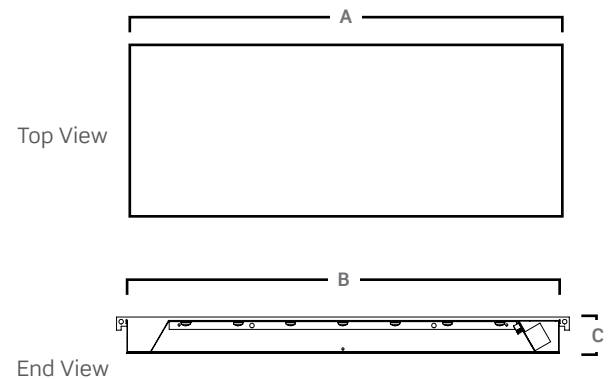


Approvals

- ETL listed.
- Suitable for damp locations.



Dimensions



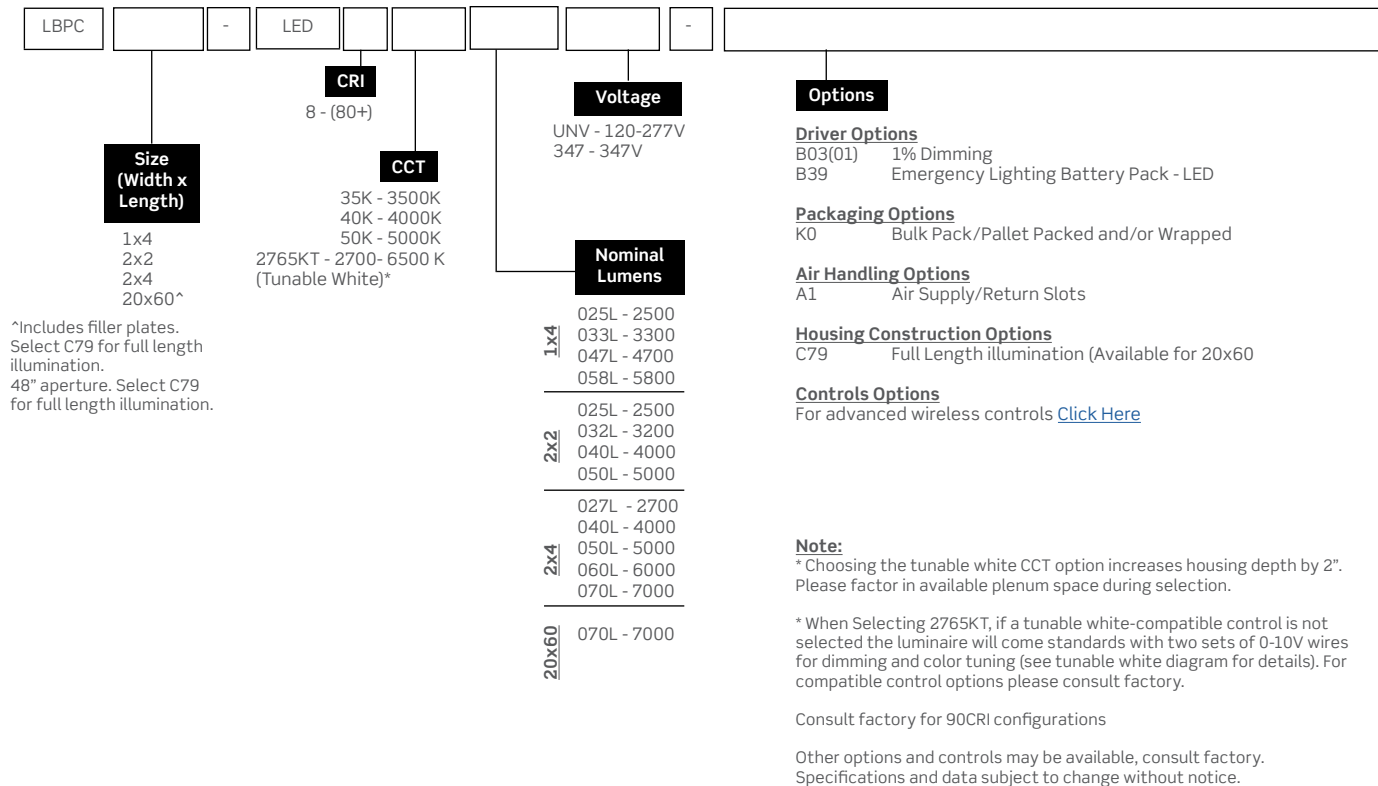
Size	A	B	C
1x4	47.75"	11.75"	2"
2x2	23.75"	23.75"	2"
2x4	47.75"	23.75"	2"
20x60	59.75"	19.75"	2"

Consult installation guide for exact dimensions.

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Order Key

EXAMPLE: LBPC2x4-LED840K050LUNV-K2



Performance Data

LED Performance Data				
Size	Nominal Lumens	Delivered Lumens	Watts	Lumens Per Watt
1x4	2500	2560	19.4	132.0
	3300	3290	25.3	130.0
	4700	4728	37.4	126.5
	5800	5854	47.3	123.9
2x2	2500	2522	19.3	130.5
	3200	3245	25.2	128.8
	4000	4045	31.8	127.1
	5000	5062	40.5	124.9
2x4	2700	2720	19.1	142.5
	4000	4065	28.9	140.5
	5000	5058	36.3	139.3
	6000	6045	43.8	138.1
	7000	7027	51.3	136.9
20x60	7000	7027	51.3	136.9

Values based on 840K with standard lens at 25C

Performance Scaling Factor

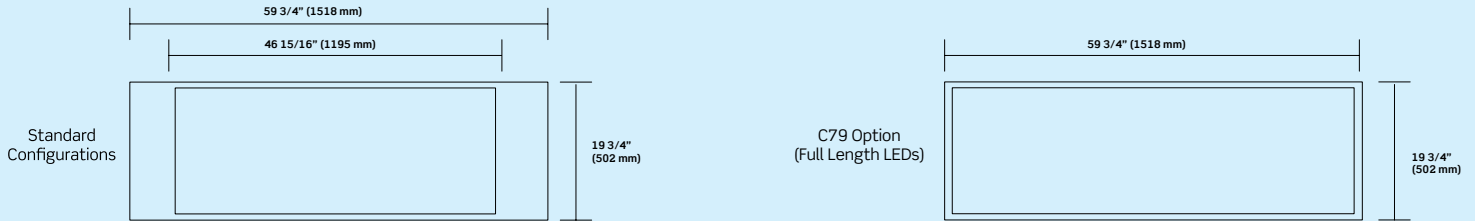
	50K	40K	35K	30K
80CRI	1.000	1.000	0.960	0.946
90CRI	0.875	0.875	0.836	0.809

Lifetime Expectancy

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

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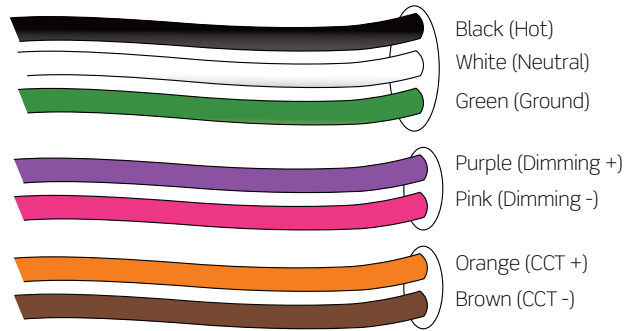
Filler Pan & Full-Length Options



Tunable White

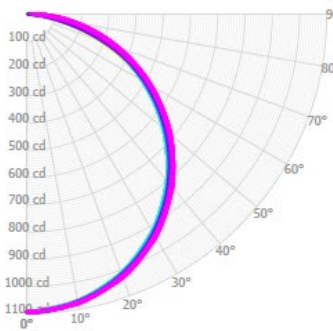
When Selecting 2765KT, if a tunable white-compatible control is not selected the luminaire will come standard with two sets of 0-10V wires for dimming and color tuning. For compatible control options please consult factory.

Dim and CCT control wire colors are subject to change without notice. All control wires are marked per the parentheses.



Photometrics

IES File: **LBPC2X2-LED840K032LUNV**
 Lumens: **N/A**
 Wattage: **27**
 Efficacy: **120**



Zonal Lumen Summary

Zone	Lumens	%Fixture pc
0.0° - 30.0°	851	26.2%
0.0° - 40.0°	1397	43.1%
0.0° - 60.0°	2496	76.9%
0.0° - 90.0°	3244	100.0%

Average Luminance Table (cd/m2) CP Summary

	0.00°	45.00°	90.00°
0.00°	3034	3034	3034
45.00°	2977	2947	2904
55.00°	2937	2898	2827
65.00°	2890	2816	2722
75.00°	2866	2704	2369
85.00°	3237	2771	914

Coefficients of Utilization

Values are lumens delivered to the workplane from a single luminaire

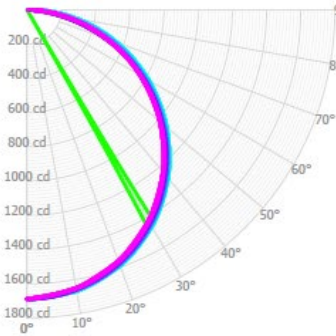
Zone	80%				70%				50%				30%				10%				0%			
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
0	3862	3862	3862	3862	3773	3773	3773	3773	3605	3605	3605	3452	3452	3452	3311	3311	3311	3244						
1	3512	3349	3204	3073	3422	3275	3142	3022	3136	3027	2926	3008	2919	2836	2891	2819	2752	2682						
2	3183	2906	2677	2485	3097	2844	2633	2454	2728	2550	2396	2620	2472	2341	2521	2398	2288	2216						
3	2896	2544	2271	2054	2814	2492	2239	2035	2394	2177	1998	2304	2118	1963	2219	2063	1929	1856						
4	2648	2249	1956	1733	2572	2205	1932	1721	2122	1885	1696	2046	1840	1672	1975	1797	1649	1577						
5	2432	2006	1707	1487	2363	1969	1688	1479	1899	1652	1462	1834	1616	1446	1773	1583	1430	1359						
6	2245	1803	1507	1295	2181	1772	1492	1289	1713	1463	1277	1658	1435	1265	1606	1408	1254	1185						
7	2080	1634	1344	1141	2023	1607	1332	1137	1556	1309	1128	1509	1286	1119	1465	1264	1111	1045						
8	1936	1490	1209	1016	1884	1467	1199	1013	1423	1180	1006	1383	1161	1000	1344	1144	993	930						
9	1808	1366	1096	913	1761	1347	1088	910	1309	1072	905	1274	1056	900	1241	1042	895	835						
10	1695	1260	1000	827	1653	1243	993	825	1211	980	821	1180	967	817	1151	955	813	755						

Effective Floor Cavity Reflectance: 20%

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Photometrics

IES File: **LBPC2X4-LED40K050LUNV**
 Lumens: **N/A**
 Wattage: **38**
 Efficacy: **133**



Zonal Lumen Summary

Zone	Lumens	%Fixture	pc
0.0° - 30.0°	1314	26.0%	pw
0.0° - 40.0°	2160	42.7%	1
0.0° - 60.0°	3866	76.5%	3
0.0° - 90.0°	5057	100.0%	5

Average Luminance Table (cd/m²) CP Summary

	0.00°	45.00°	90.00°
0.00°	2324	2324	2324
45.00°	2190	2205	2242
55.00°	2132	2149	2189
65.00°	2058	2071	2106
75.00°	1963	1959	1912
85.00°	1969	1852	1031

Effective Floor Cavity Reflectance: 20%

Coefficients of Utilization

Values are lumens delivered to the workplane from a single luminaire

Zone	Lumens	%Fixture	pc	80%		70%		50%		30%		10%		0%				
				70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	6020	6020	6020	6020	5880	5880	5880	5880	5619	5619	5619	5380	5380	5380	5160	5160	5160	5057
1	5467	5212	4982	4776	5327	5096	4887	4698	4879	4706	4548	4680	4539	4408	4496	4383	4276	4161
2	4954	4518	4159	3856	4818	4422	4090	3810	4240	3961	3720	4072	3839	3634	3917	3724	3551	3431
3	4505	3953	3526	3185	4377	3872	3475	3156	3719	3379	3099	3578	3287	3044	3446	3201	2990	2871
4	4118	3493	3035	2686	3999	3425	2997	2666	3296	2923	2628	3176	2853	2592	3065	2786	2556	2441
5	3782	3115	2648	2304	3674	3057	2619	2291	2948	2561	2265	2847	2506	2239	2752	2454	2214	2101
6	3490	2800	2337	2005	3391	2752	2314	1996	2659	2268	1977	2573	2225	1959	2492	2183	1941	1831
7	3234	2536	2084	1767	3145	2495	2065	1760	2416	2028	1746	2342	1993	1733	2272	1959	1719	1611
8	3009	2312	1874	1573	2929	2277	1859	1567	2209	1829	1557	2146	1800	1547	2086	1772	1537	1431
9	2811	2121	1698	1413	2738	2090	1686	1409	2032	1661	1401	1977	1637	1393	1925	1614	1386	1291
10	2635	1956	1550	1279	2569	1929	1539	1276	1879	1518	1270	1831	1498	1264	1785	1479	1258	1161