

Project:	Catalogue:	Type:
Notes:		

Product Description

The Alto is a recessed, lay-in T-Bar luminaire with modern styling and high visual comfort featuring a single regressed lens that creates a soft inviting glow. Choose between a square aperture or one with rounded corners for a tailored aesthetic. End-to-end illumination ensures consistent brightness across architectural spaces. With high-performance LED technology, the Alto optimizes energy consumption while maintaining exceptional brightness.

Applications

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

Features

- Fully luminous aperture
- Even end-to-end illumination
- 1.25" Regressed lens increased optical cut-off
- Aperture with square or rounded corners
- 1x4, 2x2 and 2x4 configurations
- Standard low voltage dimming (0-10v, 1%)
- For use in insulated ceilings

Featured Options

- Emergency lighting battery pack
- Integral wireless controls

Optical System

Frosted single-piece diffuser regressed 1.25" into fixture housing.

Mounting

This luminaire has been specifically designed for T-Bar applications. Holes provided for chain-mounting support to building structure. Integral earthquake clips for additional support.

Construction

Die-formed, cold rolled heavy-gauge steel housing assembly. Wiring access plates and knockouts are provided on back of housing.

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

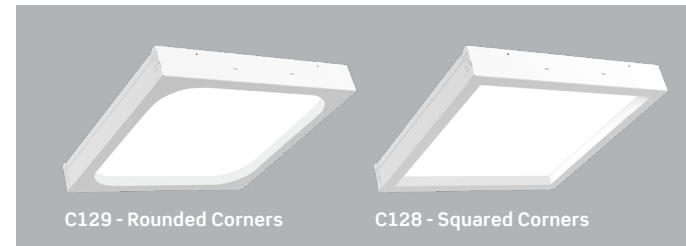
5 year limited warranty. For complete warranty, click here:



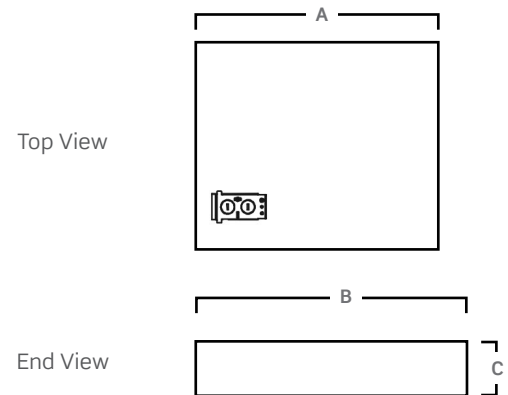
Approvals

- ETL listed.
- Tested in accordance to IESNA LM-79.
- Suitable for damp locations.
- DesignLights Consortium® (Pending)

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



Dimensions



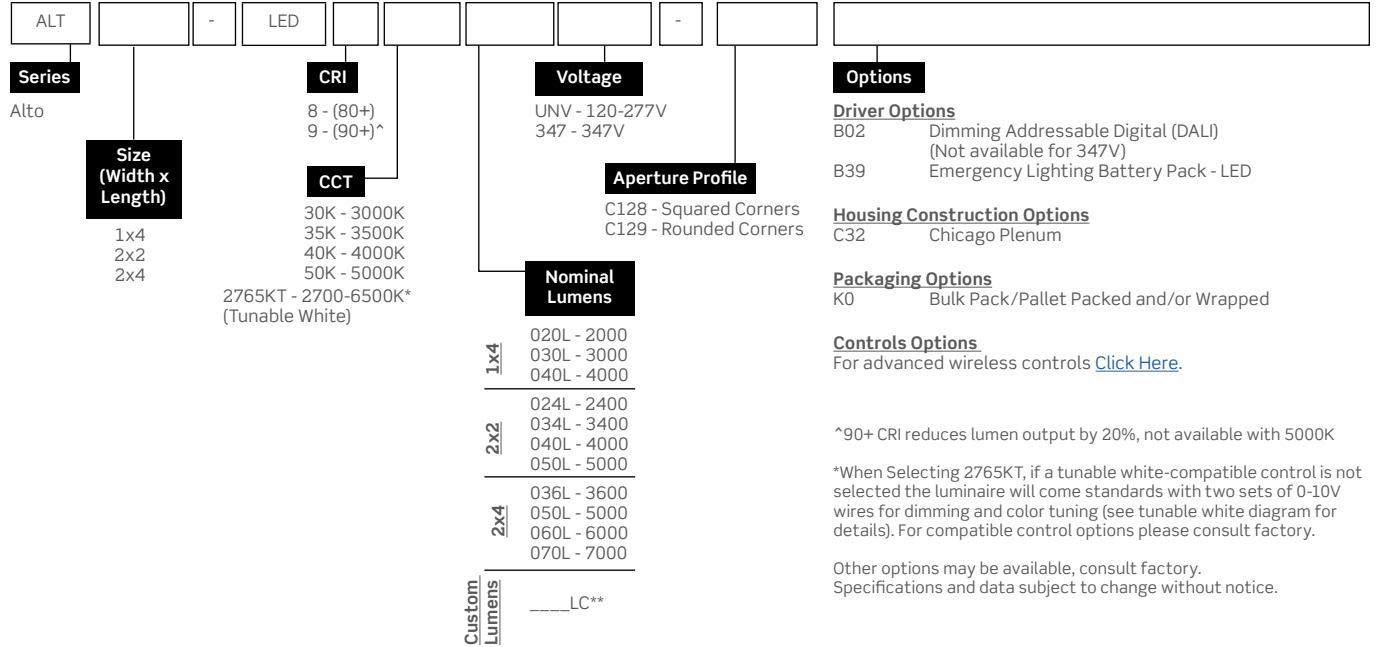
Size	A	B	C
1x4	47.75"	11.75"	3.25"
2x2	23.75"	23.75"	3.25"
2x4	47.75"	23.75"	3.25"

Consult installation guide for exact dimensions.

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Order Key

EXAMPLE: ALT2x2-LED840K040LUNV



Performance Data

LED Performance Data							
Size	Nominal Lumens	C129			C128		
		Delivered Lumens	Watts	Lumens Per Watt	Delivered Lumens	Watts	Lumens Per Watt
1x4	2000	2026	16	127	2086	16	131
	3000	3010	24	125	3099	24	128
	4000	4087	33	122	4209	33	126
2x2	2400	2401	19	129	2441	19	131
	3400	3425	27	127	3482	27	129
	4000	4044	32	125	4111	32	127
	5000	5018	41	123	5101	41	125
2x4	3600	3666	27	135	3788	27	140
	5000	5039	38	134	5206	38	138
	6000	6046	46	132	6247	46	137
	7000	7046	54	131	7280	54	136

Values based on 840K with standard lens at 25C

**Custom Lumens		
Size	Nominal Lumens Range	Watts
1x4	2000 - 4000	16 - 33
2x2	2400 - 5000	19 - 41
2x4	3600 - 7000	27 - 54

*3000Lm Example:
ALT2x2-LED840K030LCUNV-C129

Flange Kits (Ordered Separately)	
Size (Width x Length)	Item No.
1x4	KIT00136
2x2	KIT00137
2x4	KIT00138

Surface Kits (Ordered Separately)	
Size (Width x Length)	Item No.
1x4	KIT00373
2x2	KIT00374
2x4	KIT00375

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

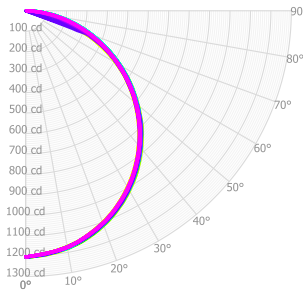
Lifetime Expectancy

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

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Photometrics

IES File: **ALT2x2-LED840K034LUNV-C129**
 Lumens: **N/A**
 Wattage: **27.07**
 Efficacy: **127**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	926	27.0%
0.0° - 40.0°	1515	44.2%
0.0° - 60.0°	2678	78.2%
0.0° - 90.0°	3424	100.0%

Average Luminance Table (cd/m²) CP Summary

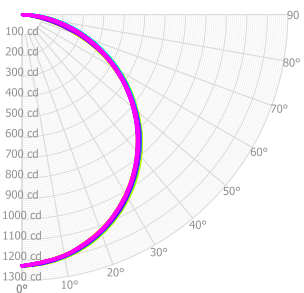
	0.00°	45.00°	90.00°
0.00°	3339	3339	3339
45.00°	3097	3056	3160
55.00°	2997	2935	3057
65.00°	2855	2780	2903
75.00°	2647	2525	2511
85.00°	2536	2035	820

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	4077	4077	4077	4077	3982	3982	3982	3982	3805	3805	3805	3643	3643	3643	3494	3494	3494	3424			
0	3717	3550	3401	3266	3623	3472	3336	3213	3326	3214	3111	3192	3100	3015	3068	2994	2926	2853			
1	3375	3088	2851	2652	3284	3023	2805	2620	2901	2717	2558	2788	2634	2500	2684	2557	2443	2368			
2	3074	2708	2425	2199	2988	2654	2391	2179	2551	2325	2140	2456	2263	2102	2367	2205	2066	1990			
3	2813	2397	2092	1860	2733	2351	2067	1847	2264	2017	1821	2184	1969	1795	2109	1924	1771	1695			
4	2585	2140	1829	1599	2513	2101	1809	1590	2028	1770	1572	1960	1733	1555	1896	1697	1538	1464			
5	2387	1926	1616	1394	2321	1893	1601	1388	1831	1570	1375	1773	1540	1363	1718	1512	1350	1279			
6	2213	1746	1443	1230	2153	1718	1430	1225	1665	1405	1216	1615	1381	1207	1568	1358	1198	1129			
7	2060	1593	1299	1097	2006	1569	1288	1093	1523	1268	1086	1480	1249	1079	1440	1230	1072	1006			
8	1924	1461	1178	986	1875	1441	1169	983	1401	1153	978	1364	1136	973	1329	1121	968	904			
9	1804	1348	1075	894	1760	1330	1068	892	1296	1054	887	1264	1041	883	1234	1028	879	819			
10																					

Effective Floor Cavity Reflectance: 20%

IES File: **ALT2x2-LED840K034LUNV-C128**
 Lumens: **N/A**
 Wattage: **27.07**
 Efficacy: **129**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	943	27.1%
0.0° - 40.0°	1542	44.3%
0.0° - 60.0°	2725	78.3%
0.0° - 90.0°	3483	100.0%

Average Luminance Table (cd/m²) CP Summary

	0.00°	45.00°	90.00°
0.00°	3407	3407	3407
45.00°	3148	3112	3232
55.00°	3043	2990	3129
65.00°	2897	2821	2978
75.00°	2687	2567	2552
85.00°	2580	2116	905

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	4146	4146	4146	4146	4049	4049	4049	4049	3869	3869	3869	3705	3705	3705	3554	3554	3554	3482			
0	3780	3611	3459	3322	3685	3532	3393	3268	3383	3269	3164	3246	3153	3067	3120	3046	2976	2902			
1	3433	3141	2900	2698	3340	3075	2853	2665	2951	2764	2602	2836	2680	2543	2730	2601	2486	2409			
2	3127	2755	2467	2237	3040	2699	2432	2217	2595	2366	2177	2498	2303	2139	2408	2243	2102	2024			
3	2861	2438	2129	1892	2780	2392	2102	1879	2304	2052	1852	2222	2004	1827	2146	1957	1802	1725			
4	2630	2177	1861	1627	2556	2138	1840	1618	2063	1801	1600	1994	1763	1582	1929	1727	1565	1490			
5	2428	1959	1645	1419	2361	1926	1629	1412	1863	1597	1399	1804	1567	1387	1748	1538	1374	1302			
6	2251	1776	1468	1252	2190	1748	1455	1247	1694	1430	1238	1643	1406	1228	1596	1382	1219	1149			
7	2095	1620	1321	1116	2040	1596	1311	1113	1550	1290	1105	1506	1271	1098	1465	1251	1092	1024			
8	1958	1487	1199	1004	1908	1466	1190	1001	1426	1173	996	1388	1157	990	1353	1141	985	921			
9	1835	1372	1095	910	1790	1354	1087	908	1319	1073	903	1286	1059	899	1255	1046	895	834			
10																					

Effective Floor Cavity Reflectance: 20%

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.

