

KTAG-44L-1400-30-8XX-RJ

HIGH EFFICACY LINEAR LED MODULE

DESCRIPTION

High efficacy linear LED modules pre-mounted into aluminum extension via a patented manufacturing method, 44" Long.



RoHS
Compliant

5 YEAR
WARRANTY



MODULE TYPE: Linear

MAX MODULE POWER: 41.8W

MAX DRIVE CURRENT: 1400mA

COLOR RENDERING INDEX (CRI): >80

RECOMMENDED WIRING: Parallel Connection

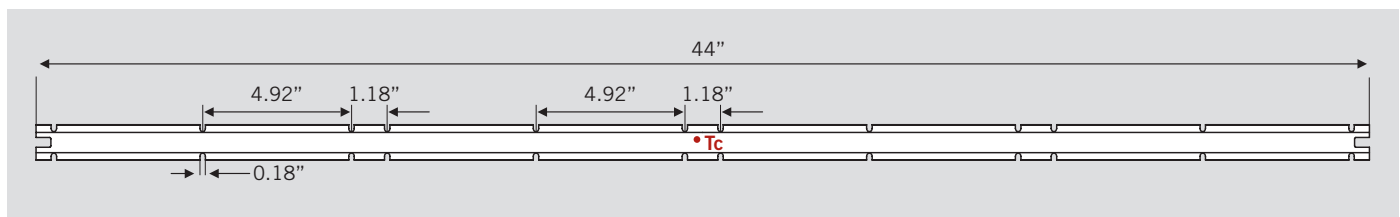
WARRANTY: 5 Years

PRODUCT FEATURES

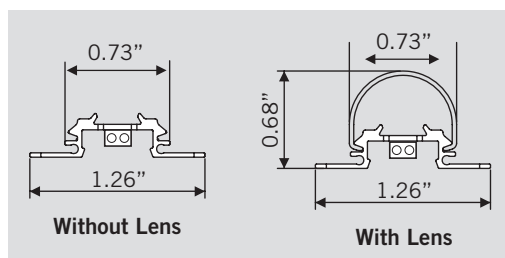
- For Use in Class 2 Lighting Systems Only
- High Lumen Density Design, Approx 1500 lm/ft
- Optional Lens Accessory
- Completely Heat Sunked, No Additional Heat Sinking Needed to maintain LED lifetime
- Low Profile, Push-In Connectors
- Made with UL Recognized Components
- 5-Step Color Binning
- 2835 LED Chip Package
- Reported Life Expectancy: L70 >54,000 hours at 85°C | L90 48,000 hours at 85°C
- Calculated Life Expectancy: L70 > 160,000 hours at 85°C | L90 48,000 hours at 85°C
- Beam Angle: 120°
- Linkable in parallel with different length AlumaGroove Modules

PHYSICAL SPECIFICATIONS

Top View



Side View



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PERFORMANCE SPECIFICATIONS

Drive Current mA	Volts	Watts	3000K				3500K				4000K				5000K			
			WITHOUT LENS		WITH LENS		WITHOUT LENS		WITH LENS		WITHOUT LENS		WITH LENS		WITHOUT LENS		WITH LENS	
			Flux	Efficacy lm/W	Flux	Efficacy lm/W	Flux	Efficacy lm/W	Flux	Efficacy lm/W	Flux	Efficacy lm/W	Flux	Efficacy lm/W	Flux	Efficacy lm/W	Flux	Efficacy lm/W
1400	29.828	41.8	5570	133	4756	112	5627	134.7	4804	115.0	5684	136.1	4853	116.2	5800	138.9	4952	118.6
1350	29.710	40.1	5412	135	4528	113	5465	136.3	4620	115.2	5521	137.7	4714	117.6	5633	140.5	4810	120.0
1300	29.596	38.5	5248	136	4396	114	5303	137.8	4487	116.6	5356	139.2	4579	119.0	5466	142.0	4672	121.4
1250	29.484	36.9	5084	138	4256	115	5138	139.3	4345	117.8	5189	140.7	4433	120.2	5295	143.6	4524	122.7
1200	29.369	35.3	4916	139	4119	117	4966	140.9	4204	119.3	5017	142.3	4290	121.7	5119	145.2	4378	124.2
1150	29.254	33.6	4746	141	3981	118	4793	142.5	4060	120.7	4841	144.0	4143	123.2	4940	146.9	4228	125.7
1100	29.139	32.1	4576	143	3839	120	4622	144.2	3917	122.2	4668	145.7	3997	124.7	4764	148.6	4078	127.2
1050	29.028	30.5	4397	144	3692	121	4443	145.7	3769	123.6	4488	147.2	3846	126.1	4580	150.2	3924	128.7
1000	28.905	28.9	4219	146	3540	122	4262	147.4	3613	125.0	4305	148.9	3687	127.5	4393	152.0	3762	130.1
950	28.785	27.4	4033	147	3388	124	4076	149.0	3459	126.4	4117	150.5	3530	129.0	4201	153.6	3602	131.6
900	28.659	25.8	3847	149	3236	125	3884	150.6	3300	128.0	3923	152.2	3368	130.6	4003	155.3	3437	133.3
850	28.540	24.3	3657	151	3073	127	3700	152.3	3141	129.3	3738	153.8	3205	131.9	3814	157.0	3271	134.6
800	28.411	22.7	3468	153	2910	128	3502	154.1	2969	130.7	3537	155.7	3029	133.3	3609	158.9	3091	136.1
750	28.281	21.2	3271	154	2751	130	3304	155.8	2807	132.3	3338	157.4	2864	135.0	3406	160.6	2922	137.8
700	28.170	19.7	3096	157	2601	132	3127	158.6	2654	134.6	3159	160.2	2708	137.3	3223	163.5	2763	140.1
650	28.045	18.2	2894	159	2432	133	2923	160.4	2482	136.1	2953	162.0	2532	138.9	3013	165.3	2584	141.7
600	27.905	16.8	2689	161	2260	135	2717	162.2	2307	137.7	2745	163.9	2354	140.6	2801	167.2	2402	143.4
550	27.764	15.3	2480	162	2085	137	2507	164.1	2129	139.3	2532	165.7	2172	142.2	2584	169.1	2217	145.1
500	27.624	13.8	2269	164	1908	138	2293	165.9	1948	141.0	2317	167.6	1988	143.8	2364	171.0	2028	146.8

* Nominal Values Shown. Actual Values May Vary Based on Tolerances and Ambient Temperature.

Circuit Layout	
No. of LED's in Series	No. of LED's in Parallel
10	16

ACCESSORIES

Lens	KTAG-44L-LENS*
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*Polycarbonate, Flammability Rating V-2

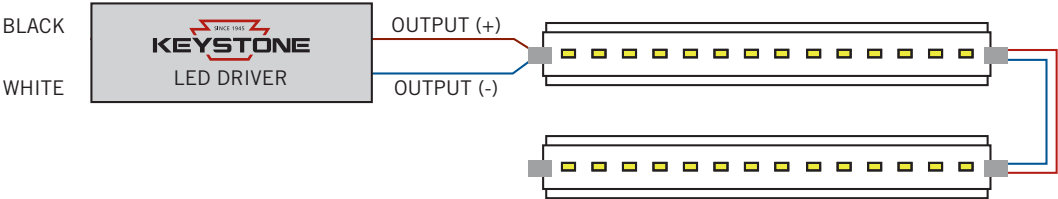


ALUMAGROOVE®

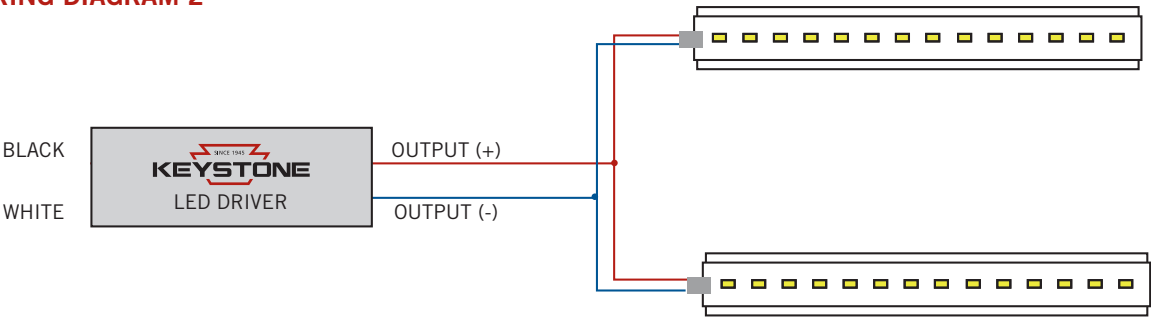
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WIRING DIAGRAM 1*



WIRING DIAGRAM 2*



* Not to exceed a total of 8' total length for end-to-end parallel connections and not to exceed 2A input into any one connector.

ORDERING INFORMATION

Catalog Number	Easy Code	UPC
KTAG-44L-1400-30-830-RJ-CP	ZWN-45	843654120508
KTAG-44L-1400-30-835-RJ-CP	WWT-60	843654120515
KTAG-44L-1400-30-840-RJ-CP	SBZ-59	843654120522
KTAG-44L-1400-30-850-RJ-CP	NVG-16	843654120539

CATALOG NUMBER BREAKDOWN

KTAG-44L-1400-30-8XX-RJ

1 2 3 4 5 6 7

- 1 Keystone Technologies AlumaGroove
- 2 Nominal Length
- 3 Max. Drive Current
- 4 Nominal Forward Voltage
- 5 800 Series
- 6 Color Temperature
- 7 Rear-Junction Connection