



LINEAR MODULES

KTLM-11L-280-48-8XX /G2

HIGH-EFFICACY LED MODULES FOR LINEAR FIXTURE APPLICATIONS

DESCRIPTION

RoHS
Compliant



**5 YEAR
WARRANTY**

MODULE TYPE: Linear

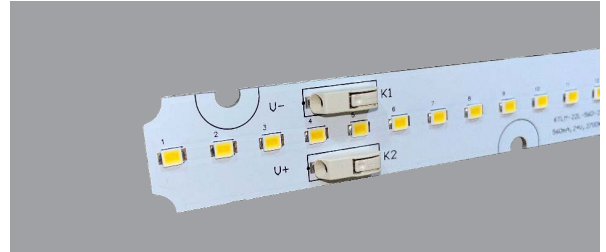
MAX MODULE POWER: 12.5W

MAX DRIVE CURRENT: 280mA

COLOR RENDERING INDEX (CRI): > 80

RECOMMENDED WIRING: Parallel connection

WARRANTY: 5 years



PRODUCT FEATURES

- Slim Low Profile Led Modules for Linear Lighting Applications
- For use in Class 2 lighting systems
- Highly reflective white soldermask
- (2 sets) Low Profile Connectors per Module
- UL recognized components

- Aluminum substrate
- 3-step MacAdam color binning
- 80 CRI modules have a nominal 2,200 lumens/foot
- Reported L70 $\geq$ 54,000 hours @ < 85°C/185°F
- Calculated L70 $\geq$ 100,000 hours @ < 85°C/185°F
- Maximum board temperature at Tc point: 85°C/185°F

PERFORMANCE SPECIFICATIONS

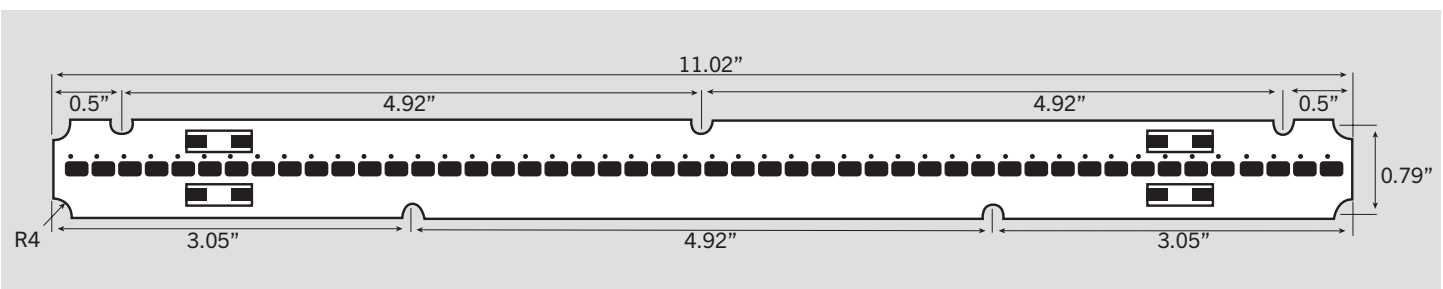
Drive Current (mA)	Volts	Watts	3000K		3500K		4000K		5000K	
			Flux	Efficacy	Flux	Efficacy	Flux	Efficacy	Flux	Efficacy
280	44.68	12.5	2149	172	2192	175	2268	181	2360	189
270	44.53	12.0	2071	173	2118	177	2196	183	2279	190
260	44.44	11.6	2000	172	2045	176	2121	183	2199	190
250	44.34	11.1	1928	174	1972	178	2046	184	2120	191
240	44.25	10.6	1857	175	1898	179	1969	186	2040	192
230	44.16	10.2	1785	175	1824	179	1893	186	1960	192
220	44.07	9.7	1713	177	1750	180	1817	187	1880	194
210	43.97	9.2	1640	178	1675	182	1740	189	1799	196
200	43.88	8.8	1567	178	1600	182	1662	189	1718	195
190	43.78	8.3	1493	180	1525	184	1583	191	1636	197
180	43.68	7.9	1419	180	1449	183	1505	191	1556	197
170	43.58	7.4	1343	181	1372	185	1426	193	1473	199
160	43.48	7.0	1268	181	1295	185	1280	183	1390	199
150	43.38	6.5	1194	184	1218	187	1362	210	1307	201

CIRCUIT SPECIFICATIONS

No. of LEDs in Series	No. of LEDs in Parallel
16	3

*Nominal Values Shown. Actual values may vary based on tolerance and ambient temperature.

PRODUCT SPECIFICATIONS

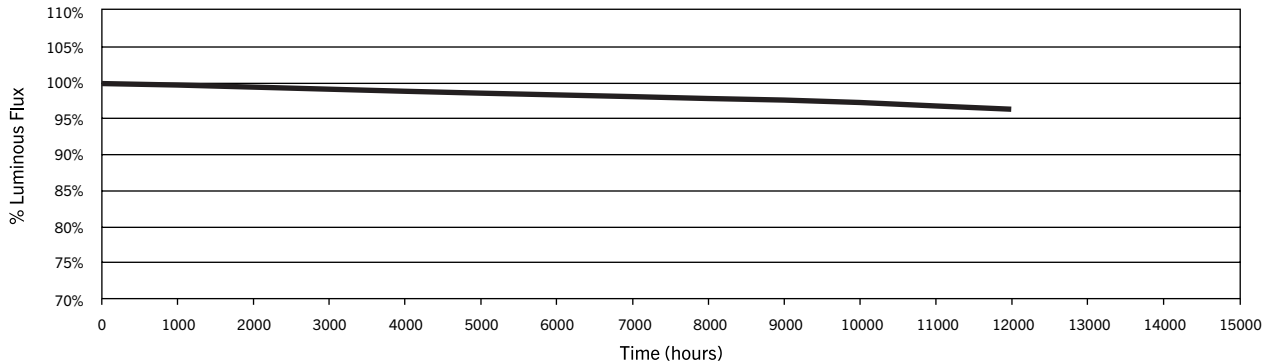




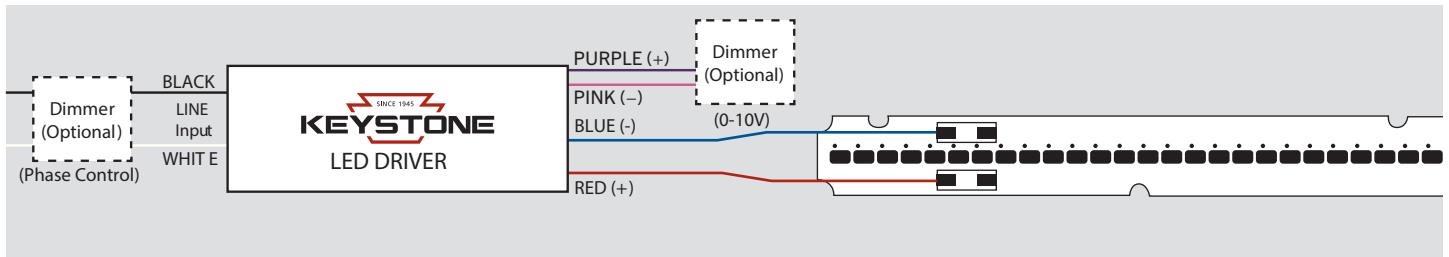
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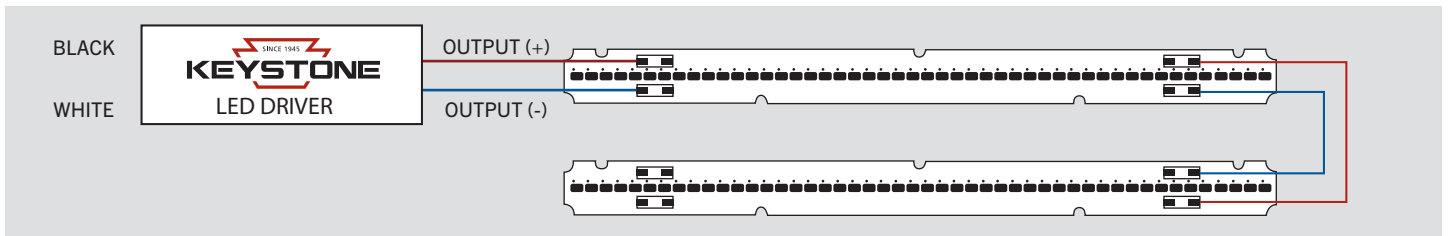
AVERAGE LUMEN MAINTENANCE VS. TIME



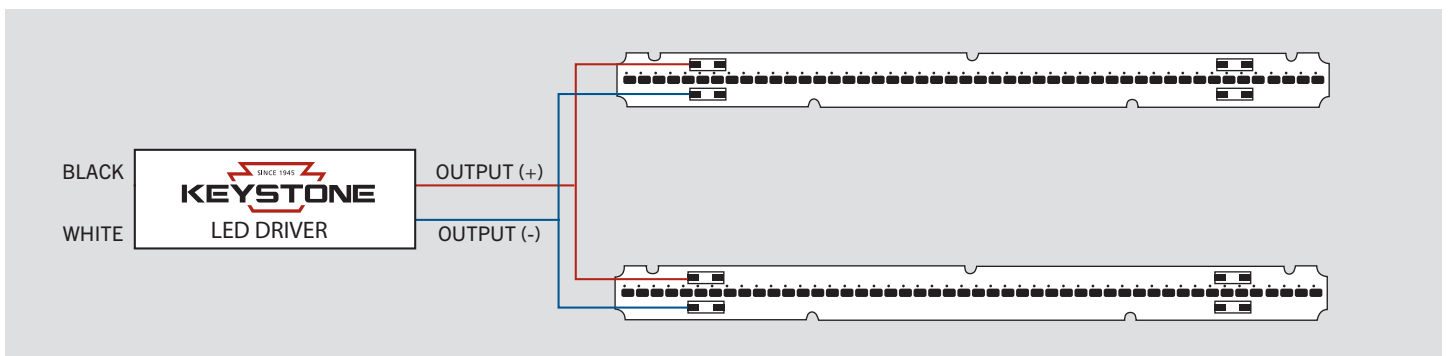
WIRING DIAGRAM (SINGLE MODULE)



WIRING DIAGRAM (PARALLEL OPTION 1)



WIRING DIAGRAM (PARALLEL OPTION 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.

* Wiring Above assumes parallel wiring, please contact Keystone for assistance if other wiring configurations are required



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ORDERING INFORMATION

Order Code	Pack Quantity	Easy Code	UPC
KTLM-11L-280-48-830 /G2	1	843654150468	WYJ-00
KTLM-11L-280-48-835 /G2	1	843654150475	OHX-27
KTLM-11L-280-48-840 /G2	1	843654150482	KPG-65
KTLM-11L-280-48-850 /G2	1	843654150499	DZX-42

CATALOG NUMBER BREAKDOWN

KTLM-11L-280-48-8XX /G2

1

2

3

4

5

6

7

- 1 Keystone Technologies LED Module
- 2 Nominal Length
- 3 Max. Drive Current
- 4 Nominal Forward Voltage
- 5 80 CRI
- 6 Color Temperature
- 7 2nd Generation