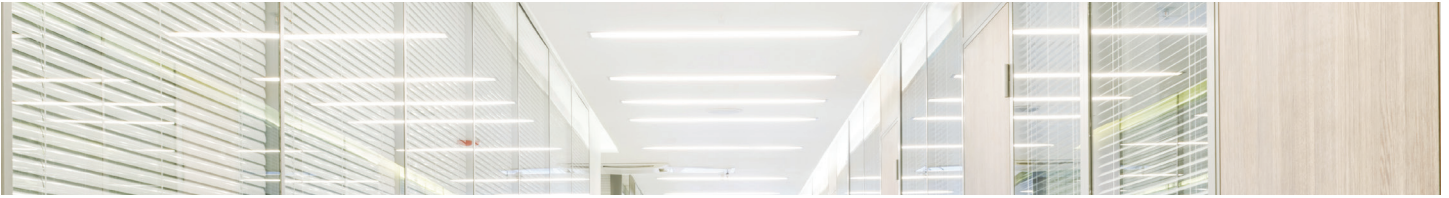


4' | 4400 LUMEN LED BOARD SOLUTION | 1100 lm/ft



APPLICATION

Upgrading linear fluorescent-style luminaires to an LED solution. Common applications include troffers, strips/channels, wraps, vapor-tights, and high bays.

MODULE TYPE: Linear	COLOR RENDERING INDEX (CRI): >80
MAX. MODULE POWER: 42W (27W Recommended)	RECOMMENDED WIRING: Parallel Connection
MAX. DRIVE CURRENT: 1500mA (1000mA Recommended)	WARRANTY: 5 Years

SYSTEM FEATURES

Module Features

- For Use in Class 2 Lighting Systems
- Highly Reflective White Soldermask
- Low Profile WAGO Push Connectors
- UL Recognized Components
- Single-Sided CEM3 Substrate
- 3-Step MacAdam Color Binning
- LM80 Tested LEDs by Samsung
- Beam Angle: 120°
- Approximately 1100 Lumens per Nominal Foot
- Reported Life Expectancy: L70 > 36,000 hours at Tc <85°C
- Calculated Life Expectancy: L70 = 93,000 hours at Tc <85°C
- Maximum Board Temperature at Tc Point: 85°C

Driver Features

- UL 8750 Recognized Component LED Power Unit
- Meets FCC Part 15 Class B (Consumer) Limit for EMI
- Over Current, Short Circuit, and Open Circuit Protection
- Class 2 Output
- Type 1 Outdoor, Suitable for Dry and Damp Locations
- Up to 194°F/90°C Maximum Case Temperature
- THD: <20%
- Drivers Available with Various Dimming Technologies (Phase Control or 0-10V)

PERFORMANCE SPECIFICATIONS

Module Specifications

Module Specifications				Full Output at Max. Ratings*				Recommended Output (Optimized for DLC Performance)			
Catalog Number	Color Temp	CRI	Forward Voltage	Drive Current	Approx. Lumens	Module Power	Module Efficacy	Drive Current	Approx. Lumens	Module Power	Module Efficacy (at 1000mA)
KTLM-1500-L6-830-90A	3000K	>80	28Vdc	1500mA	4500	42W	107 lm/W	1000mA	3250	27W	120 lm/W
KTLM-1500-L6-835-90A	3500K	>80	28Vdc	1500mA	4600	42W	110 lm/W	1000mA	3300	27W	122 lm/W
KTLM-1500-L6-840-90A	4000K	>80	28Vdc	1500mA	4700	42W	112 lm/W	1000mA	3400	27W	126 lm/W
KTLM-1500-L6-850-90A	5000K	>80	28Vdc	1500mA	4850	42W	115 lm/W	1000mA	3525	27W	131 lm/W

Note: Nominal values shown. Actual values may vary based on LED manufacturing tolerances, electrical specifications of power supply, and ambient temperature.

*DLC is fixture-dependent. Delivered efficacy when modules are driven at or near maximum ratings needs to be evaluated on a case-by-case basis.

Suggested Keystone Driver Options for 1100SL Linear LED System

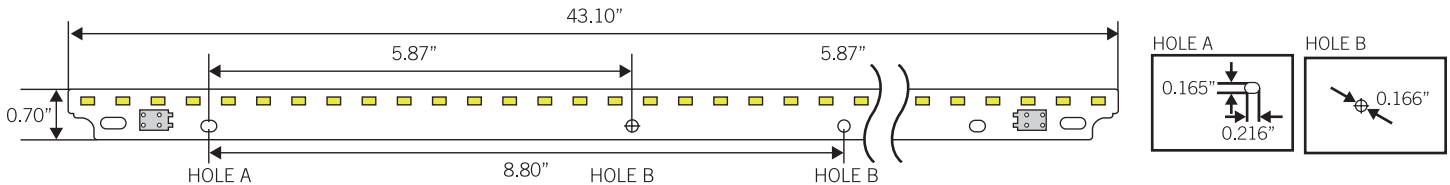
No. of Modules	Max Drive Current	Keystone Driver Cat No.	Total System Drive Current	Drive Current per Module	Total Lumens Per Module	Total System Lumens	Total Module Power	Module Efficacy	Driver Efficiency	Total System Power	Total System Efficacy
2	2000mA	KTLD-72-UV-2x1000-VDIM-L5	2000mA	1000mA	3525	7050	54W	131 lm/W	81%	67W	106 lm/W

Note: Above data is based on 5000K LED module(s) at 25°C. Performance will differ slightly at other Kelvin temperatures. For additional driver options, please contact Keystone.

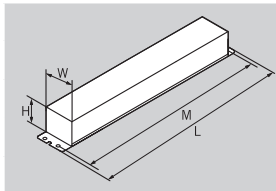
4' | 4400 LUMEN LED BOARD SOLUTION | 1100 lm/ft

PHYSICAL SPECIFICATIONS

Module Dimensions

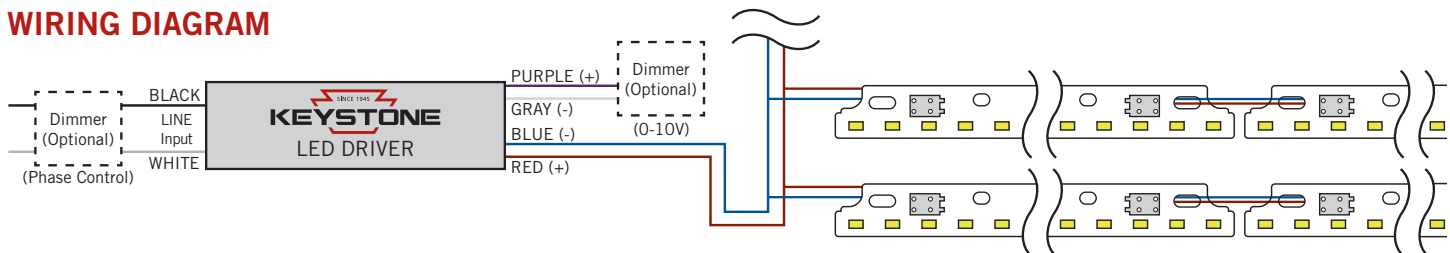


Ballast Case Dimensions



CASE STYLE	L5
LENGTH	9.50"
WIDTH	1.70"
HEIGHT	1.18"
MOUNTING	8.90"

WIRING DIAGRAM



Note: If mounting via metal screws, the diameter of the screw head (and optional washer) must not exceed 8mm (typically referred to as #8 size screw.)

CATALOG NUMBER BREAKDOWN

Modules

KTLM-1500-L6-8xx-90A

Keystone Technologies LED Module	Max. Drive Current (mA)	Form Factor Designation	800 Series	Color Temp	Number of LEDs	120° Beam Angle
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Drivers

KTLD-72-UV-2x1000-VDIM-L5

Keystone Technologies LED Driver	Maximum Power (W)	120-277V Input	Rated Output Current (mA)	0-10V Dimming	Case Style
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NOTE: Multiple module and driver options are available. Please see reverse for details.

LIGHT MADE EASY