



# LINEAR MODULES

## KTLM-5.5L-140-24-8XX /G2

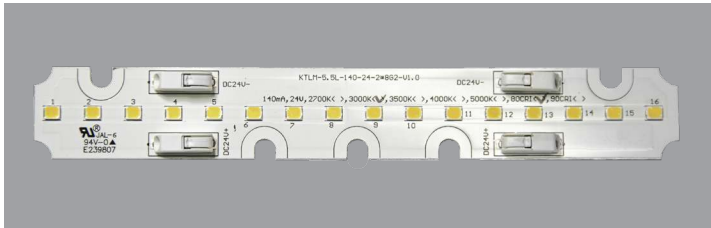
HIGH-EFFICACY LED MODULES FOR LINEAR FIXTURE APPLICATIONS

### DESCRIPTION

Linear LED Modules | 3000-5000K | 5.5" Length | 80 CRI

### APPLICATION

Family of Linear LED Modules for use in Class 2 lighting systems. Slim width design allows for use in narrow assemblies.



**5 YEAR**  
WARRANTY

### PRODUCT FEATURES

- Slim low profile LED modules for linear lighting applications
- For use in Class 2 lighting systems
- Highly reflective white soldermask
- Low-Profile Connectors (2 Sets) per module
- Aluminum substrate
- 3-Step MacAdam Color Binning
- Reported L70 ≥ 72,000 hours @ < 75°C/167°F
- Reported L85 > 54,000 hours @ < 75°C/167°F
- Maximum board temperature at Tc point: 95°C/185°F
- Minimum operating temperature -30°C/-22°F

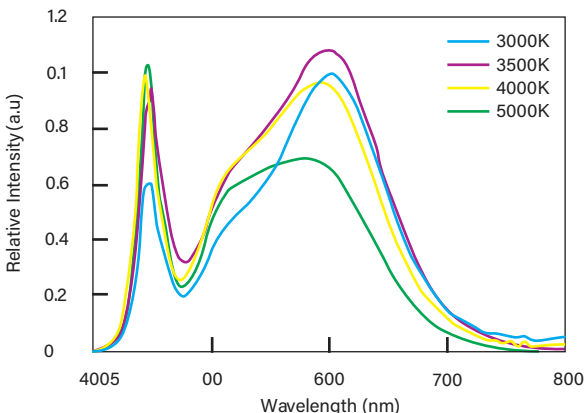
### PERFORMANCE SPECIFICATIONS

KT Model	Current (mA)	Initial Lumens	Vf	Power (W)	Lm/W	CRI	Length (in.)
KTLM-5.5L-140-24-830 /G2	140	558	22.1	3.1	180	83+	5.5
KTLM-5.5L-140-24-835 /G2		568			183		
KTLM-5.5L-140-24-840 /G2		571			184		
KTLM-5.5L-140-24-850 /G2		580			187		

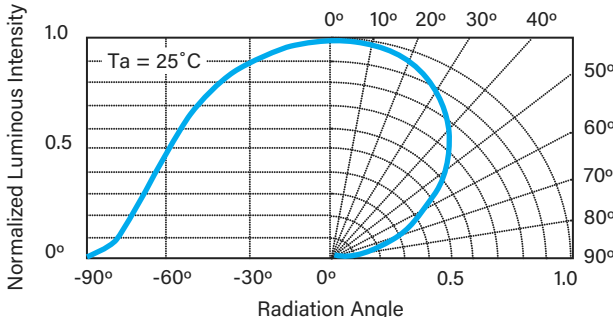
\*Values based on 4000K, tC point of 45°C

### PHOTOMETRIC SPECIFICATIONS

#### SPECTRAL DISTRIBUTION



#### SPACIAL DISTRIBUTION





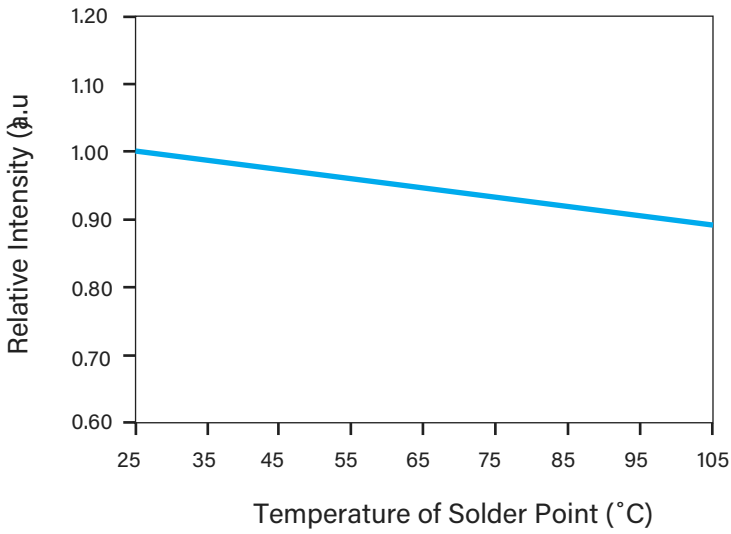
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### PHOTOMETRIC SPECIFICATIONS (continued)

#### Flux VS. Temperature





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### PERFORMANCE AT VARIOUS CURRENTS

Drive Current (mA)	Volts	Watts	3000K		3500K		4000K		5000K	
			Flux	Efficacy	Flux	Efficacy	Flux	Efficacy	Flux	Efficacy
140	22.10	3.1	558	180	568	183	571	184	580	187
135	22.07	3.0	539	180	549	183	551	184	561	187
130	22.03	2.9	521	180	530	183	532	183	542	187
125	21.99	2.8	502	179	511	183	513	183	522	186
120	21.95	2.6	483	186	491	189	494	190	502	193
115	21.91	2.5	465	186	472	189	474	190	483	193
110	21.87	2.4	446	186	453	189	455	190	463	193
105	21.82	2.3	427	186	433	188	435	189	443	193
100	21.78	2.2	407	185	413	188	415	189	423	192
95	21.74	2.1	388	185	394	188	395	188	402	191
90	21.69	2.0	368	184	374	187	376	188	382	191
85	21.65	1.8	349	194	354	197	355	197	362	201
80	21.60	1.7	329	194	334	196	336	198	342	201
75	21.55	1.6	310	194	314	196	315	197	321	201
70	21.50	1.5	290	193	294	196	295	197	300	200
65	26.62	1.4	270	193	273	195	275	196	280	200
60	21.40	1.3	250	192	253	195	254	195	259	199
55	21.35	1.2	230	192	232	193	233	194	238	198
50	21.29	1.1	209	190	212	193	213	194	217	197
45	21.23	1.0	188	188	191	191	191	191	195	195
40	21.16	0.8	168	210	170	213	171	214	173	216
35	21.09	0.7	147	210	149	213	149	213	152	217

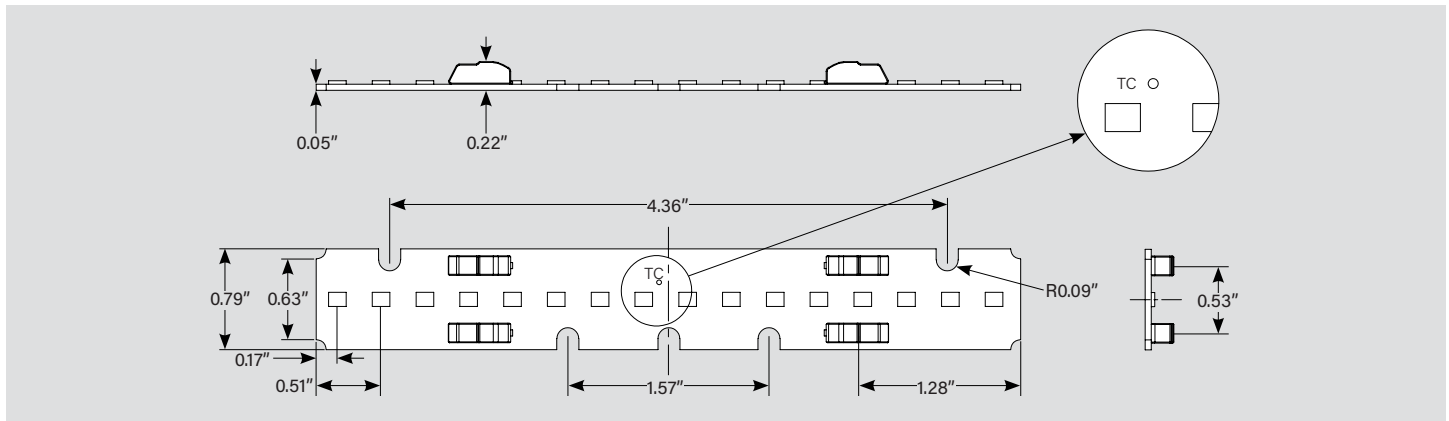


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### DIMENSIONS



### INSTALLATION AND PROPER USAGE GUIDELINES

- Parallel wiring applications are limited to 2.0 Amps
- Nominal rated Vf increases by 2% at 25°C and 10% at -30°C during initial on state
- Ensure proper mounting using the provided mounting slots and ensure sufficient contact with heat sinking material based on total design and application considerations. Damage caused by improper heat sinking is not covered by the warranty
- LEDs should not be touched or contacted during installation to avoid damage
- Wire connectors will accept 18-24AWG solid or bonded standard wire
- Installation of modules should be in an environment that incorporates ESD protective measures and technicians should be grounded and avoid contact with the LEDs when servicing an LED Luminaire
- Intended for indoor fixtures in dry applications
- CCT is measured at the LED binning condition, in accordance with ANSI C78 337
- The LED modules are intended for connection to a constant current, Class 2 power supply. When the arrays are connected and used with power supplies other than Class 2, the need for an additional evaluation shall be considered in the end use product investigation.

### ORDERING INFORMATION

CATALOG NUMBER	CARTON QTY.	UPC	EASY CODE
KTLM-5.5L-140-24-830 /G2	40	843654159287	SMF-18
KTLM-5.5L-140-24-835 /G2	40	843654159294	LJX-77
KTLM-5.5L-140-24-840 /G2	40	843654159300	VCI-61
KTLM-5.5L-140-24-850 /G2	40	843654159317	LPM-81

### CATALOG NUMBER BREAKDOWN

# KTLM-5.5L-140-24-8XX /G2

- |   |                                  |
|---|----------------------------------|
| <b>1</b> Keystone Technologies LED Module | <b>5</b> Nominal Forward Voltage |
| <b>2</b> Nominal Length                   | <b>6</b> 80 CRI                  |
| <b>3</b> Linear Narrow                    | <b>7</b> CCT                     |
| <b>4</b> Maximum Drive Current            | <b>8</b> 2nd Generation          |