

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

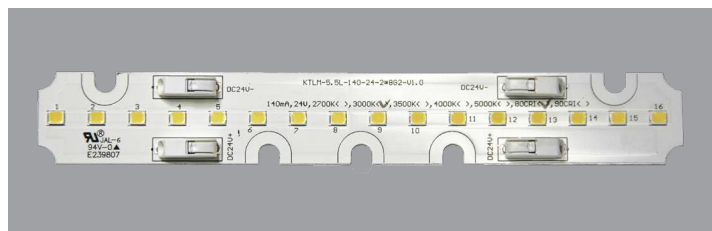
HIGH-EFFICACY LED MODULES FOR LINEAR FIXTURE APPLICATIONS

### 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.



RoHS  
Compliant



**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  $\geq$  72,000 hours @  $< 75^{\circ}\text{C}/167^{\circ}\text{F}$
- Reported L85  $>$  54,000 hours @  $< 75^{\circ}\text{C}/167^{\circ}\text{F}$
- Maximum board temperature at Tc point:  $95^{\circ}\text{C}/185^{\circ}\text{F}$
- Minimum operating temperature  $-30^{\circ}\text{C}/-22^{\circ}\text{F}$

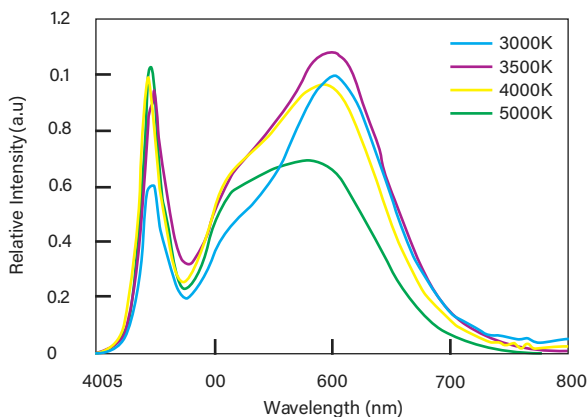
### PERFORMANCE SPECIFICATIONS

KT Model	Current (mA)	Initial Lumens	Vf	Power (W)	Lm/W	CRI	Length (in.)
KTLM-5.5L-140-24-830 /G2	140	530	21.5	3.0	177	83+	5.5
KTLM-5.5L-140-24-835 /G2		548			183		
KTLM-5.5L-140-24-840 /G2		550			183		
KTLM-5.5L-140-24-850 /G2		566			189		

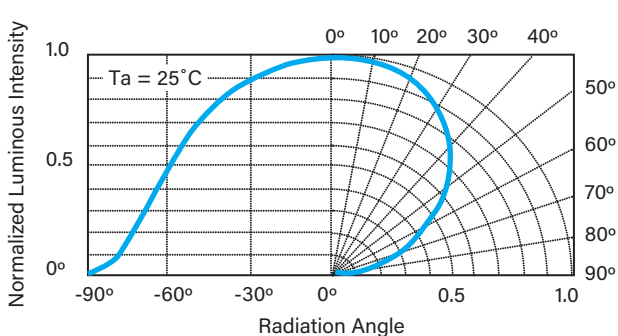
\*Values based on 4000K, Tc point of 45°C

### PHOTOMETRIC SPECIFICATIONS

#### SPECTRAL DISTRIBUTION



#### SPACIAL DISTRIBUTION





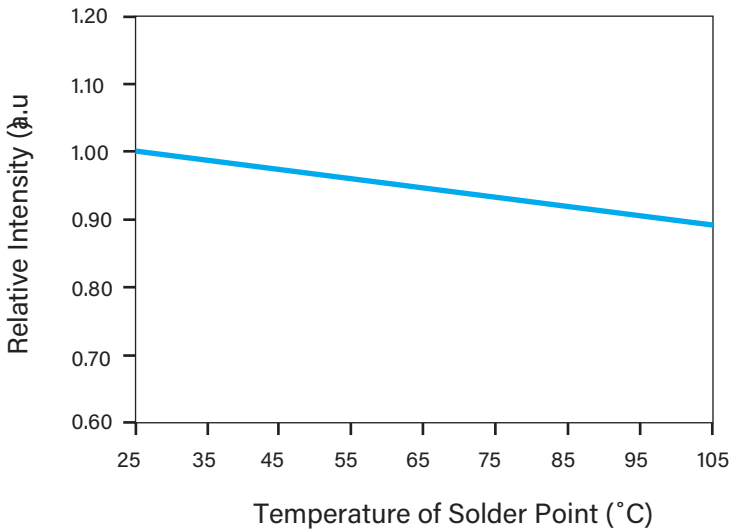
# LINEAR MODULES

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

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### PHOTOMETRIC SPECIFICATIONS (continued)

#### Flux VS. Temperature



### PERFORMANCE AT VARIOUS CURRENTS

KT Model	Current (mA)	Initial Lumens	Vf	Power (W)	Lm/W	CRI	Length (in.)
KTLM-5.5L-140-24-830 /G2	105	396	21.0	2.2	180	83+	5.5
KTLM-5.5L-140-24-835 /G2		406			184		
KTLM-5.5L-140-24-840 /G2		412			187		
KTLM-5.5L-140-24-850 /G2		422			189		

KT Model	Current (mA)	Initial Lumens	Vf	Power (W)	Lm/W	CRI	Length (in.)
KTLM-5.5L-140-24-830 /G2	70	263	20.8	1.45	181	83+	5.5
KTLM-5.5L-140-24-835 /G2		269			186		
KTLM-5.5L-140-24-840 /G2		275			189		
KTLM-5.5L-140-24-850 /G2		281			194		

KT Model	Current (mA)	Initial Lumens	Vf	Power (W)	Lm/W	CRI	Length (in.)
KTLM-5.5L-140-24-830 /G2	35	136	20.4	0.71	191	83+	5.5
KTLM-5.5L-140-24-835 /G2		139			196		
KTLM-5.5L-140-24-840 /G2		142			200		
KTLM-5.5L-140-24-850 /G2		145			204		

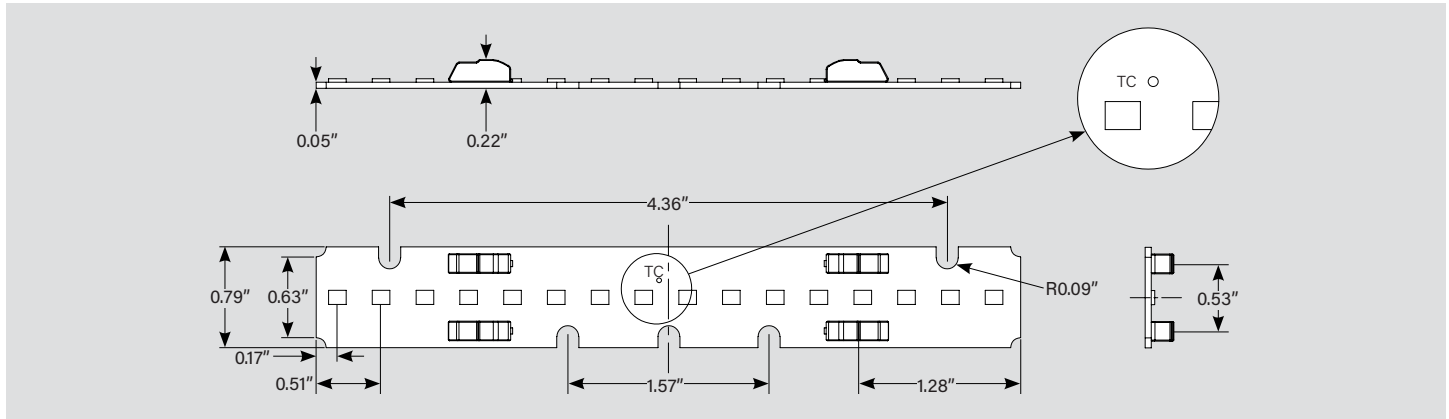


# LINEAR MODULES

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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          |