

Electrical and Optical Specifications*

LED Module Part Number	Color Temperature	Max Input Current	Forward Voltage	Rated Power	Luminous Flux Nominal ±1%	Efficiency	Beam Angle	CRI	Dimmable
TM04LN4027-001	2700K	350 mA	40 VDC	14 W	940 lumens	67 lm/W	120°	>80	\checkmark
TM04LN4030-001	3000K	350 mA	40 VDC	14 W	1000 lumens	71 lm/W	120°	>80	\checkmark
TM04LN4035-001	3500K	350 mA	40 VDC	14 W	1000 lumens	71 lm/W	120°	>80	\checkmark
TM04LN4040-001	4000K	350 mA	40 VDC	14 W	1100 lumens	78 lm/W	120°	>80	\checkmark
TM04LN4050-001	5000K	350 mA	40 VDC	14 W	1100 lumens	78 lm/W	120°	>80	1
TM04LN4065-001	6500K	350 mA	40 VDC	14 W	1100 lumens	78 lm/W	120°	>80	\checkmark

LED MODULE BASE NUMBER

* Performance based on 25°C ambient temperature.

Note: Specifications are subject to change without notice.

Color and Binning



** Value varies depending on product type and color rank



Mechanical Specifications



LED MODULE BASE NUMBER

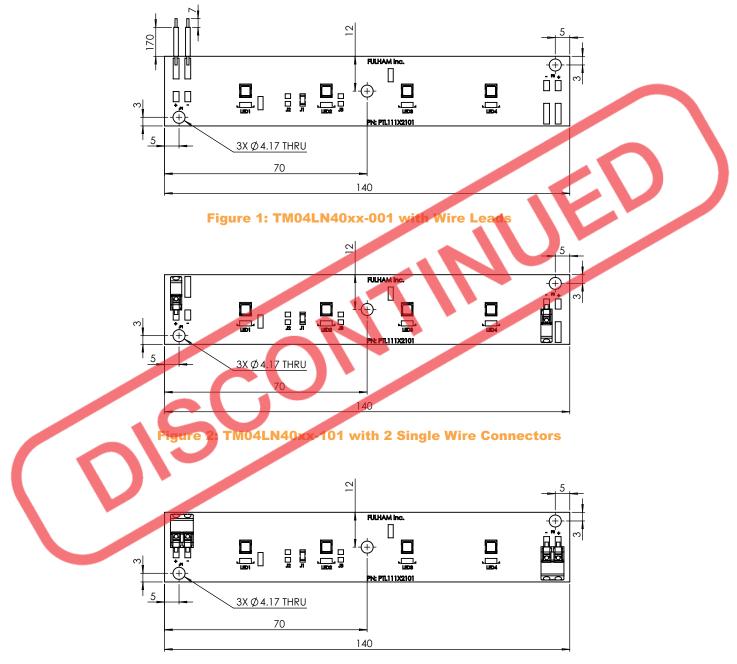
* xx = 27, 30, 35, 40, 50, or 65 for respective color temperature ** y = 0, 1, or 2 for respective connection method

Mounting Methods

- 1. If mounting by screw hole, use any screw with diameter less than 4.17mm. Use all available screw holes to ensure good contact between back side of module and mounting surface.
- 2. If mounting using double-sided tape, peel backing and place LED module on mounting surface. Firmly press down on the module to ensure good adherence. Follow the double-side tape manufacturer's installation instructions.
- 3. If connectors are used, use solid wire size 24 18 AWG, rated at a minimum 50V, minimum 105°C, and stripped to length between 6-7 mm (0.24-0.28 inches). Push button for insertion of conductor and for easy removal of wires.



Mechanical Drawings



LED MODULE BASE NUMBER

Figure 3: TM04LN40xx-201 with 2 Double Wire Connectors

NOTE:

Modules are polarity sensitive.

Ensure that "positive" from LED driver is connected to "positive" of LED modules and that "negative" from Polarities of modules are marked with "+" for positive and "-" for negative.



Reliability and Life Specifications

Lumen Maintanance	L70 > 36,000 Hrs based on LM80 Data at Case Temperature of 55°C and 400mA Driver Current				
Color Consistency	Binning per ANSI C78.377-2008; 7 SDCM				
Energy Star for Luminaires Compliant	Indoor Fixture types for Ts \leq 105°C; Outdoor Fixtures for Ts \leq 85°C				
DLC Compliant	Categories 11-16 for Ts \leq 85°C				
Certifications	cURus, Class 2 Lighting Systems, RoHS				
UL Part Number	PTL111X2101 (File # E351548)				
Fulham Warranty	3 Years				

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Environmental Rating

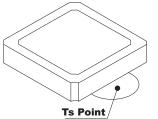
Modules are rated for dry locations, unless option for conformal coating is requested.

Electrostatic Sensitive Product (ESD)

Fulham LED products should be handled with proper measures to protect against any potential ESD damage. When servicing, personnel should be ground and direct contact with LED should be avoided.

Thermal Specifications

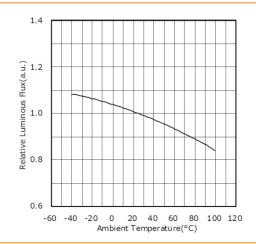




Thermal Management

Proper thermal management should be employed to ensure life and reliability of product. Use thermal grease, paste, pad, or other material interface is highly recommended.

Thermal De-Rating



Ref. Nichia NS9L(W)153AM-H3 Spec Sheet I = 120 mA