



## Mini 2 LED Module



Don't let its small size fool you! The TMT LEDs Game Changer Mini Series module delivers a big punch! This powerful little module delivers up to 178 lumens per watt. The .6 watt module is 20% brighter than competing .8 watt duo LED modules, and the .8 watt module is brighter than competing 1.2 watt modules, making it the best, brightest and most efficient channel letter lighting solution in the industry.

This revolutionary product line helps reduce your system cost and enables you to increase your quality threshold, delivering a better, brighter channel letter for your customers.

### Features

- 50-139 lumens per module
- Innovative Cable Hiding Technology (patent pending)
- High efficiency circuit design
- Clean White Technology
- Up to 178 lumens per watt
- Available in 3000K and 6500K
- Small module footprint of 4.8 cm x 1.4 cm

### Application

- Ideal for 5 cm – 15 cm deep channel letters and capsules



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**Datasheet**  
**Game Changer**  
**TDS-Mini 2**  
Application  
Small and Medium  
Channel Letter

Operating Temperature	<b>-30°C ~ +60°C</b>	Lead Wire	<b>Tin Coated Copper Wire</b>
Storage Temperature	<b>-30°C ~ +60°C</b>	Lifetime TM21	<b>&gt;60.000 Hours</b>
Body Material	<b>Case: ABS   Optics: Optical PC</b>	Adhesive Tape	<b>3M Foam</b>
Finishing	<b>Ultrasonic Welding</b>	Strip Size	<b>50 Modules/Strip</b>

**12V DC | 160° BEAM ANGLE**

PRODUCT	MINI2			MINI2			MINI2		
<b>Power</b>	0,36W			0,6 W			0,8W		
<b>Current</b>	30mA			50mA			66mA		
<b>Modules Per Meter</b>	6.7			6.7			6.7		
<b>60w power Supply</b>	141 Total / 50 Single			91 Total / 50 Single			68 Total / 50 Single		
<b>Input Voltage</b>	12V			12V			12V		
<b>Colors</b>	<b>Order Code</b>	<b>Lumen</b>	<b>Lm/W</b>	<b>Order Code</b>	<b>Lumen</b>	<b>Lm/W</b>	<b>Order Code</b>	<b>Lumen</b>	<b>Lm/W</b>
<b>10.000 K</b>				106038	103		105969	132	
<b>6500 K</b>	104348	62		105636	103		105637	132	
<b>3000 K</b>	105714	62		105715	96		105716	132	

Custom Color and Power Solutions  
Can be manufactured upon request

**Packaging Details**

**Chain**

**Bag**

**Box**

50 pcs

100 pcs

1,000 pcs

Density Guideline	1"	2"	3"	4"	5"	6"	7"	8"	9"	10+"
<b>MINI 2</b>	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal
<b>MINI 2 HO</b>	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal	Optimal

Can Depth (cm)      Optimal      Acceptable

Luminous flux tolerance ±10% - CCT tolerance ±8%

