



TMT LEDs USA LLC
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Datasheet
Game Changer
TDS-TMT 4
(Midi 4)

Applications
Channel Letters
Lightboxes Cabinets
Cove Lighting

IP 67
PROTECTION

MADE IN
EUROPE

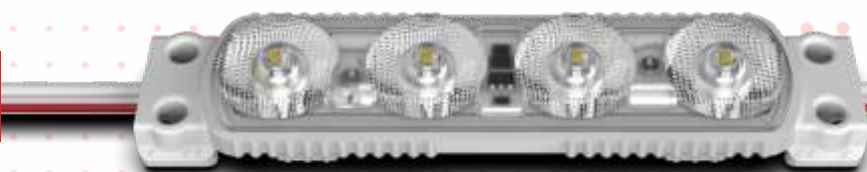
10 YEAR
PRODUCT WARRANTY

5 YEAR
LABOR WARRANTY

UL
E491014

CE

TMT 4 (MIDI 4) Led Module



The all new, revolutionary TMT Game Changer Platinum TMT 4 module has efficiency at the center of its design. The Crystalens optics provide a 170° viewing angle that dramatically reduces the number of modules required to provide bright, even illumination without hotspots. The incredibly efficient circuit design at the core of this powerful module outperforms every other module in the industry. Three times fewer modules delivers the same amount of brightness while reducing the power need by 30% making it the perfect product for large channel letters, sign cabinets and retrofitting existing fluorescent lighting.

Features

- Best optical light dispersion in the industry
- Unbeatable 240 – 320 lumens per module
- Perfect for large channel letters and sign cabinets when installed 3" - 10" from the face
- Cable Hiding Technology (Patent Pending)
- Efficient Circuit Design (Patent Pending)
- Clean White Technology
- Snap-in compatible o TMT LEDs aluminum Midi Stick (Patent Pending)
- Available in 12 and 24 volt formats
- Up to 200 lumens per watt

Applications

- Ideal for large channel letters with depths of 3" – 6"
- Perfect for sign cabinets with installation depths of 2" to 10" from sign face



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Operating Temperature	-40°F ~ +140°F	Lead Wire	Tin Coated Copper Wire
Storage Temperature	-40°F ~ +140°F	Lifetime TM21	>60,000 Hours
Body Material	Case: ABS Optics: Optical PC	Adhesive Tape	3M Foam
Finishing	Ultrasonic Welding	Strip Size	50 Modules/Strip

12V / 24 DC 3 SDCM 170° BEAM ANGLE

Product Name	Order Code	Power	C2C	Lumen	Lm/W	Color
TMT Midi 4 12V 1.7W 6,500K	TMT-105729	1,7W	12"	296	174Lm/W	6,500K
TMT Midi 4 12V 2W 10,000K	TMT-106166	2W	12"	340	170Lm/W	10,000K
TMT Midi 4 12V 2W 8,000K	TMT-107640	2W	12"	340	170Lm/W	8,000K
TMT Midi 4 12V 2W 6,500K	TMT-105919	2W	12"	340	170Lm/W	6,500K
TMT Midi 4 12V 2W 3,000K	TMT-106167	2W	12"	310	155Lm/W	3,000K
TMT Midi 4 12V 2W RED	TMT-107101	2W	12"	95	48Lm/W	RED
TMT Midi 4 24V 2W 6,500K	TMT-105813	2W	12"	340	170Lm/W	6,500K

Can Depth

Optimal

Acceptable

Density Guideline

1"

2"

3"

4"

5"

6"

7"

8"

9"

10+"

TMT 4 24V

TMT 4 12V

Packaging Details

Chain

Bag

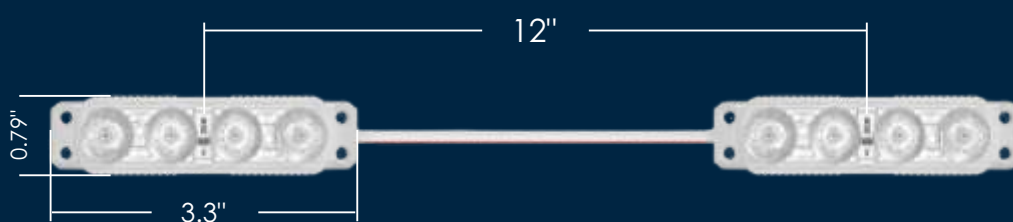
Box

50 pcs

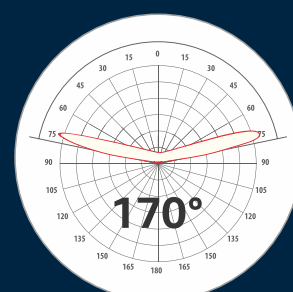
100 pcs

1,000 pcs

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



BEAM ANGLE

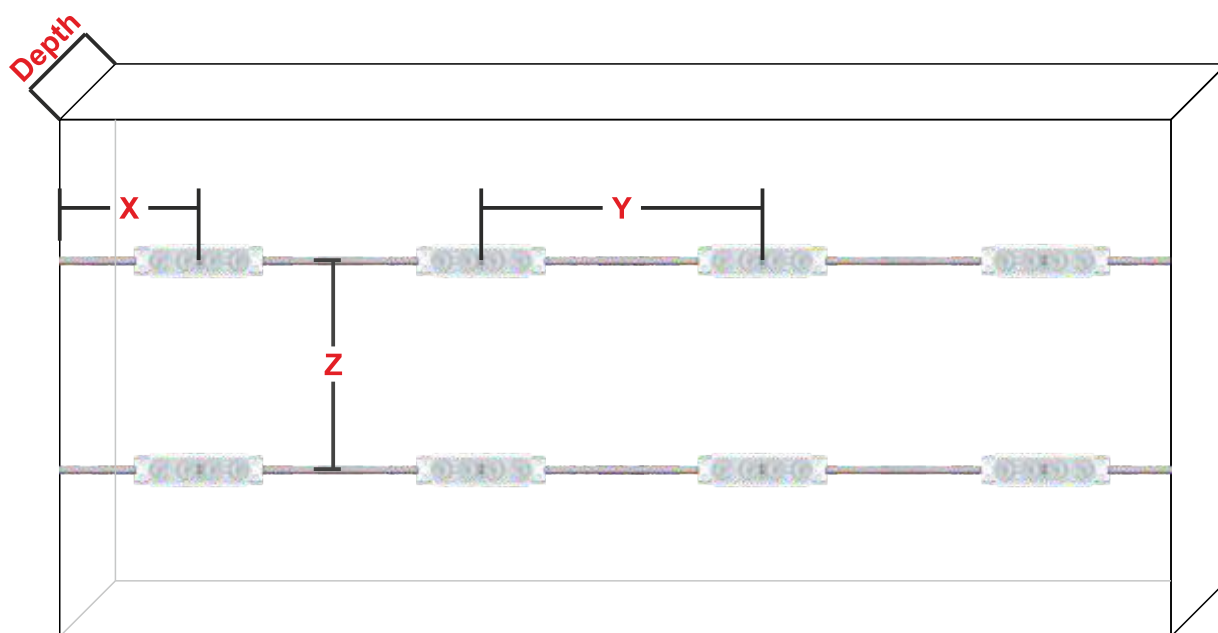




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Density Guide
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Explanations

x = Distance from the edges of the sign
 y = Center-to-center spacing between adjacent modules in a row
 z = Spacing between rows of modules

Optimal Brightness Option

	From Edges	C2C	Row Spacing
Depth	X	Y	Z
2"	3"	6"	6"
3"	5"	10"	10"
4"	6"	12"	12"
5"	6"	12"	12"
6"	6"	12"	12"
7"	6"	12"	12"
8"	6"	12"	12"

Relative Brightness Option

	From Edges	C2C	Row Spacing
Depth	X	Y	Z
2"	3"	6"	6"
3"	5"	10"	10"
4"	6"	12"	12"
5"	7"	12"	14"
6"	9"	12"	18"
7"	10"	12"	20"
8"	12"	12"	24"



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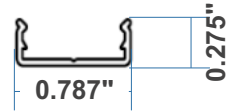
Game Changer TDS-Aluminum Sticks Family

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Single Sided Connector Order Code: 101135



Single Sided Profile Order Code: 101142



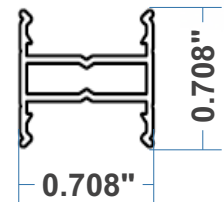
Spec	Value
Width (inch)	0.787
Height (inch)	0.275
Length (inch)	94 (can be cut in different sizes up on request)



Double Sided Connector Order Code: 101131



Double Sided Profile Order Code: 101146



Spec	Value
Width (inch)	0.787
Height (inch)	0.708
Length (inch)	94 (can be cut in different sizes up on request)

