

LED Grow Strip

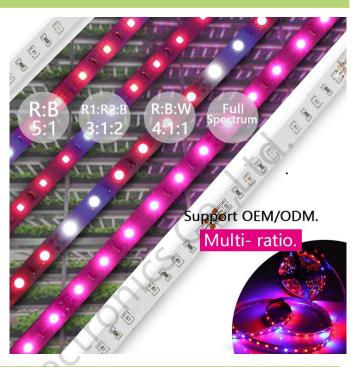
Mul⊠-Ra⊠o/UL Cer⊠fiedd/l spectrum

Benefits

- > Super bright 5050 2835 SMD top LED.
- > Flexible ribbon for curving around bends
- > OEM ODM are available.

Applications

- > hydroponic system
- > Herb Grow
- > flowering and fruiting



Technical Operating Data

	Ļ	ED Grow Srip			
Item No	MX-DT2835A-14.4W	MX-DT2835B-14.4W	MX-DT2835C-14.4W	MX-DT5050-14.4W	
LED Type	SMD 2835 0.2W	SMD 2835 0.2W	SMD 5050 0.2W	SMD 2835 0.2W	
LED Wavelength	R=620-630nm; B=460-470nm	R1=650-660nm; R2=620-630nm B=460-470nm	R=650-660nm; B=460-470nm; W=6000-6500K	Full Spectrum	
LED Qty		60 LED Per Me	eter		
Power		14.4W per Me	ter		
Working Voltage		12/24V			
Size	L100cm X W0.8cm				
Life Span		50000 Hours			
Waranty		3 years			

Technical Features

- Size of printed circuit board (L x W x H): 1000 mm x 8 mm x 2 mm
- Max run length: 8 meters
- > Smallest unit of 3/6 LEDs can be cut out at regular intervals withouth damaging the rest of the product
- Connection possible at the reel end or at the marked cut points
- LM80 approved

- > Linear LED tape light on flexible printed circuit board with 3M self-adhesive back
- ➤ LM80 approved LED
- > 3 year limited warranty
- ➤ Up to 50,000 hrs lifetime for Tc<70°C
- ▶ UV,IR ray free













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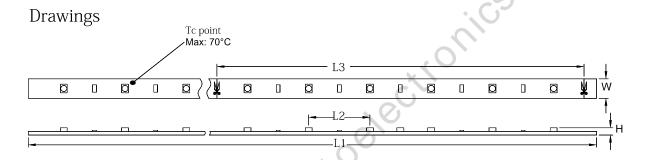
Fa Website: www.mingxue.cn

Multi-Ratio/UL Certified/Full spectrum

Minimum and Maximum Ratings

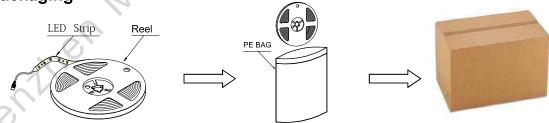
Product	Operating Temperature at Tc point °C*	Storage Temperature °C *	Voltage Range V DC*	Reverse Voltage V DC*
MX-M001A	-20 ~ 70	-20 ~ 70	23 ~ 25	25
MX-M002A	-20 ~ 70	-20 ~ 70	23~ 25	25
MX-M003A	-20 ~ 70	-20 ~ 70	23 ~ 25	25
MX-M004A	-20 ~ 70	-20 ~ 70	23~ 25	25

 $^{*)} Exceeding maximum \ ratings \ for \ \phi erating \ and \ storage \ temperature \ will reduce \ expected \ life \ time \ or \ destroy \ the \ product.$



Product	Whole Length L1 mm	Distance between LED s L2 mm	Length per unit L3 mm	Width W mm	Height H mm
MX-M001A	5000	16.7	100	10	2
MX-M002A	5000	8.33	50	10	2
MX-M003A	5000	16.7	100	10	2
MX-M004A	5000	8.33	50	10	2

Packaging



Product	Length/Reel M	Quantity/carton Reel	Size of Carton L x W x H mm	Net Weight KG	Gross Weight KG
MX-M001A	5	40	510 x 240 x 230	4.8	5.8
MX-M002A	5	40	510 x 240 x 230	4.8	5.8
MX-M003A	5	40	510 x 240 x 230	4.8	5.8
MX-M004A	5	40	510 x 240 x 230	4.8	5.8

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 $Exceeding\ maximum\ ratings\ for\ \phi erating\ voltage\ will\ cause\ hazardous\ overload\ and\ will\ likely\ destroy\ the\ product$

The temperature of the LED module must be measured at the Tc-point according to EN60598-1 in a thermally constant status with a temperature sensor or a temperature sensitive label. For exact location of the Tc-point, please refers to below drawing. In any condition, if the actual Tc exceed maximum operating temperature at Tc-point 70°C will void all warranties.



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Safety Information

- > The LED strip light itself and all its components must not be mechanically stressed.
- > Assembly must not damage or destroy conducting paths on the circuit board.

In order to drive LED flexible strip lights safely , it is absolutely necessary to operate them with an electronically stabilised powers upply protecting a gainst short circuits, overload and overheating.

To also ease t he luminai re/installation a pproval, e lectronic control gear, power supply and all electronic accessor ies for LED or LED modules should carry the CE mark and meet the latest European safety standard.

- Installation of LED flexible strip light (with power supplies) needs to be made with regard to all applicable electrical safety standards. Only qualified personnel should be allowed to perform installations.
- > Observe correct polarity!
 Depending on the product incorrect polarity will lead to emission of red or no light. The flexible strip light can be destroyed!
- Parallel connection is highly recommended as safe electrical operation mode.
 Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the flexible strip light.
- > The maximum run length of products stated in this datasheet is 10m with power feed at one end.
- Pay attention to standard ESD precautions when installing the module.
- ➤ Please ensure that the power supply is adequate to operate the flexible strip light.
- > The module, as manufactured, has no conformal coating and therefore offers no inherent protection against corrosion. The ability to customize the length of the product by cutting at specificallymarked points is a key feature of the product and hence the reason for no factory installed conformal coating. For these reasons, it is recommended that the user complete all products modifications first (cutting wiring) and then apply a conformal coating in the final stage of installations.
- Damage by corrosion will not be honored as a materials defect claim. It is the uer担 responsibility to provide suitable protetion against corrosive agents such as moisture and condensation and other harmful elements.
- > For applications involving exposure to humidity and dust the poduct must be protected by a fixture or housing with a suitable protecting class. The product can be protected against condensation water by treatment with an appropriate circuit board grade conformal coating. The conformal coating should have the following features:
 - Optical transparency
 - UV-resistance
 - thermal expansion matching the thermal expansion of the product 15-30*10-6 cm/cm/K
 - low permeability of steam for all climatic conditions
 - resistance against corrosive environment
- ➤ The minimum bending radius is 2 cm. The product has to be mounted on a metal heat sink!
- > For outdoor applications, the product has to be mounted on a metal heat sink as well as housing with IP65 rated at least.

Warranty Information

- > MX offers a 3 year limited warranty for products stated in this datasheet from the date of shipment from MX担 factory.
- > All products are , at the time of shipment, warranted to be free from defects in material and workmanship under normal service and use, provide that installation or renewal is in accoardance with manufacturer担 instruction.
- If any product fails within the warranty period, and then afteMX has verfied the allegedly non-complying product(s) and found the said product(s) to be in fact defective within warranty, MX will at its option either furnish a replacement for or issue a credit for the purchasing price of product(s), therefor which proves to be not in compliance with the aforesaid warranty.
- > Free replacement(s) supplied under warranty does not extend the original warraty period cover.
- MX does not automatically accept liability for associated or consequential loss of any kind whatsoever, but due consideration will be given in cases where product(s) is confirmed as defective after vertication.
- > This warranty does not apply to any failures caused by misuse, improper storage, negligence,accident, maladjustment, repaire or accessories and devices from other manufacturers.
- This warranty does not cover defects or damanages during transportation.
- > In any condition, if the actual Tc exceed the maximum allowed working temperature at Tc-point will avoid all warranties.

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