Sign LEDs & Accessories

LM3-2007

10 YEARS WARRANTY

3 - 12″	150 LM/W	DC12V 2W	LM-79 LM-80
180°	True 7000K	+3,000 lux 5″ depth	IP68

High-Lumen Output LED Modules

3″~12″ | Channel letters and sign boxes

450 lm per module | 150 lm/W

2W, DC12V

True 7000K light reproduction

RoHS

LLA LED

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Sign LEDs & Accessories

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10 YEARS WARRANTY

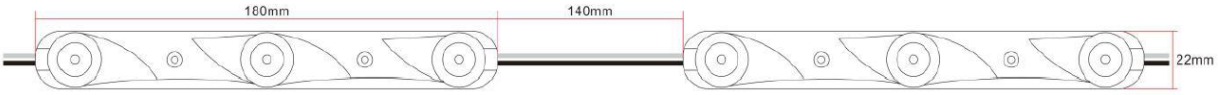
Specifications

3 - 12″	150 LM/W	DC12V 2W	LM-79 LM-80
180°	True 7000K	+3,000 lux 5″ depth	IP68

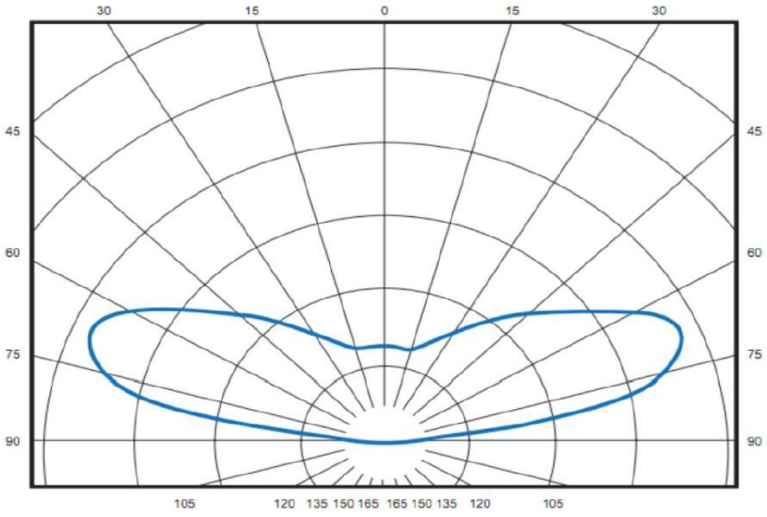
Viewing Angle	180° Micro prism lens
Input	12VDC 250mA
Driver Mode	**Constant Current** / Non-Polarity
Watts	2.0W/mod (2.0W/ft.)
Luminous Efficacy	150 lm/W
Color Temp	White 7000K
Lumens/Mod	300 lm/mod
Lumens/Foot	300 lm/ft.
Modules/Foot	1 mod/ft. (fully stretched)
Protection Grade	IP67
Material	Cable: UL-20AWG-300V-80°C
Fastening	Foam tape + Mechanical
Packaging	Chain: 20 mods / 20 ft. Bag: 3 chains (60 mods, 60 ft.) Case: 10 bags (600 mods, 600 ft.)
Warranty	7 years
Operating Temp.	-20°C ~ 45°C (-4°F ~ 113°F)
Storage Temp.	-30°C ~ 70°C (-22°F ~ 158°F)
Cascade	Max. 20 mods single-ended power feed Max. 40 mods double-ended power feed

MAX Power Supply Load			
Model	60W	120W	180W
LM3-3011	27 mods 27 ft.	54 mods 54 ft.	81 mods 81 ft.

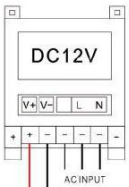
Dimensions



Light Distribution

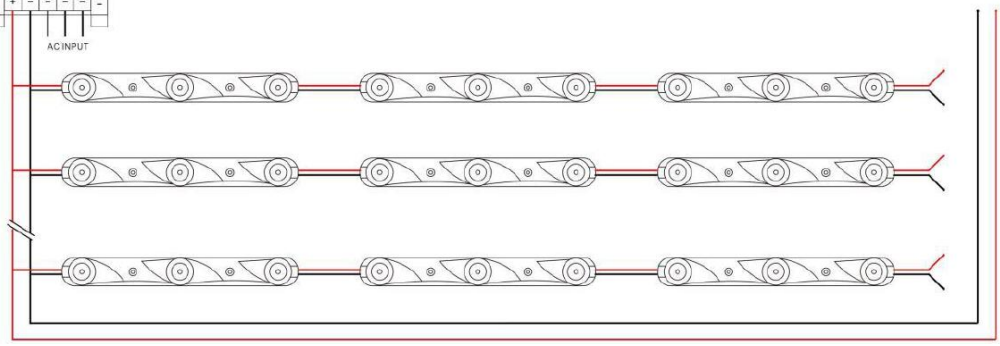


Installation Diagram



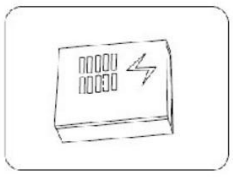
LM3-2007 = Max. 20 mods per chain @ single-end power feed

Max. 40 mods per chain @ double-end power feed

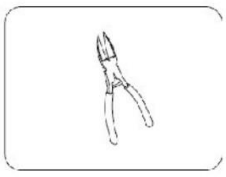


Installation Procedure

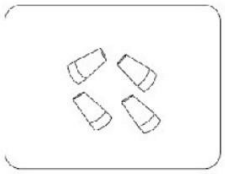
Product to be installed



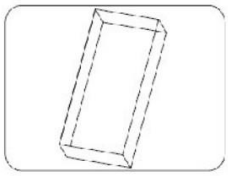
LED power supply



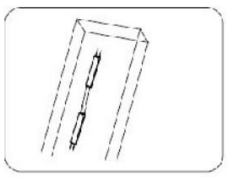
Diagonal pliers



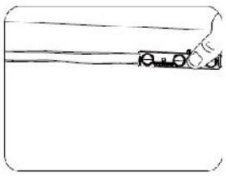
Wiring terminal



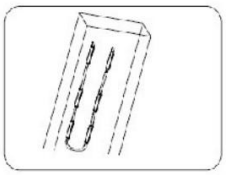
1. Cleaning the installation area



2. Tear the adhesive and paste it



3. Fix products and connect to power



4. Light up for test

Fastening

Foam tape + Mechanical

Warning

- Incorrect connection may cause short circuit and product failure
- Make sure power supply is unplugged during LED wires connection
- Power supply should be DC12V

Caution

- Please install in accordance with national standards and local electrical appliance specifications.
- This product must be installed and maintained by an electrician or other professional who has obtained the electrical operation certificate.
- Before installation, please check whether the product parameters are consistent with the requirements (product parameters could be found on product specification or label).
- Connect wires according to wiring diagram. Avoid short circuit during the connection.
- All connection points must be effectively insulated, waterproof and corrosion resistant.
- This series of products does not have short circuit, overload protection functions, the selected power supply must have short circuit, overload protection and other functions.
- The output voltage of the power supply must match the operating voltage of the module.
- Low-voltage products should reserve 20%-30% margin according to the actual power of the driven LED module when selecting the switching power supply.
- The wire diameter of the module connected to the power supply should be 18AWG or bigger guage, and the margin should be enlarged appropriately according to the actual current.
- The maximum number of modules used per string should not exceed the number of cascades in the above specification, otherwise brightness will be affected and there may be security risks.
- Wiring of the polarity can not be reversed, red wire is for positive, and white for negative.
- Products can not been installed in combustibles, or covered by thermal gaskets or similar materials.
- When installing or replacing a product, disconnect the power supply to ensure personal safety. Installation personnel must take ESD preventive measures, power supply must be effectively grounded.

Declaration

- The data listed in this product specification are typical values for reference only, specific parameters are subject to the actual measurement report.
- All product illustrations in this product specification are schematic drawings, details are subject to the actual received goods.
- If there are upgrade parameters, please obtain new information from your sales representative.