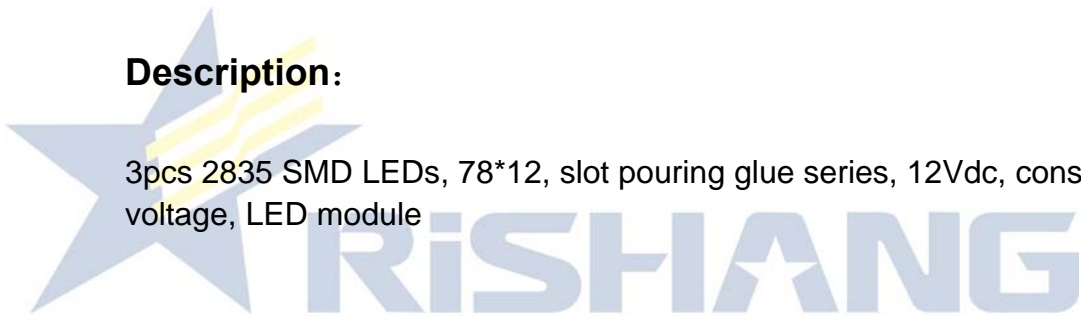


Specification

Model: M143TA

Description:

3pcs 2835 SMD LEDs, 78*12, slot pouring glue series, 12Vdc, constant voltage, LED module



Prepared by : _____

Checked by : _____

Standard Dept : _____

Approved by : _____

Issued Status: Draft Published

Specification

Product Name: LED module

Applications

Model: M143TA

Suitable for 6~16cm [2.36~6.29in] depth signage, such as absorbing plastic letter, metal letter, channel letter, black and white board, light box etc.

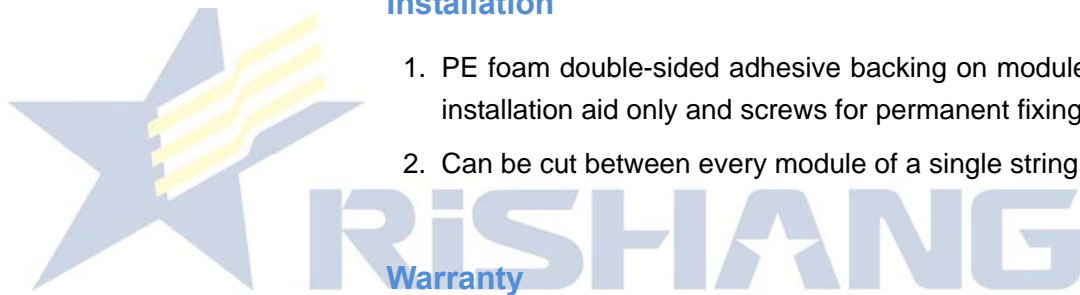


Features

1. High luminous efficacy with 2835 SMD LED mounted;
2. Maximum cascading qty up to 20pcs;
3. slot pouring glue technology, high rating of dust and water resistance;
4. CE, RoHS compliant.

Installation

1. PE foam double-sided adhesive backing on modules used as an installation aid only and screws for permanent fixing;
2. Can be cut between every module of a single string.



3 years or 13,000 hours, whichever comes first.

Optical and Electrical Parameters:

| P/N | LED Color | Color Temperature(K) Wavelength(nm) | Beam Angle (°) | Luminous Flux (lm/piece) | CRI | Luminous Efficacy (lm/W) | Working Voltage (V DC) | Working Current (mA/piece) | Power (W/piece) |
|--------|---------------|--|----------------|--------------------------|-----|--------------------------|------------------------|----------------------------|-----------------|
| M143TA | Warm white | 3000 | 115 | 70 | ≥75 | 97 | 12 | 60 | 0.72 |
| M143TA | Neutral white | 6000 | 115 | 70 | ≥75 | 97 | 12 | 60 | 0.72 |
| M143TA | Cold white | 9000 | 115 | 70 | ≥75 | 97 | 12 | 60 | 0.72 |
| M143TA | Red | 620-625 | 115 | 18 | — | 25 | 12 | 60 | 0.72 |
| M143TA | Yellow | 585-590 | 115 | 18 | — | 25 | 12 | 60 | 0.72 |
| M143TA | Green | 525-530 | 115 | 33 | — | 46 | 12 | 60 | 0.72 |
| M143TA | Blue | 465-470 | 115 | 9 | — | 12.5 | 12 | 60 | 0.72 |

Others:

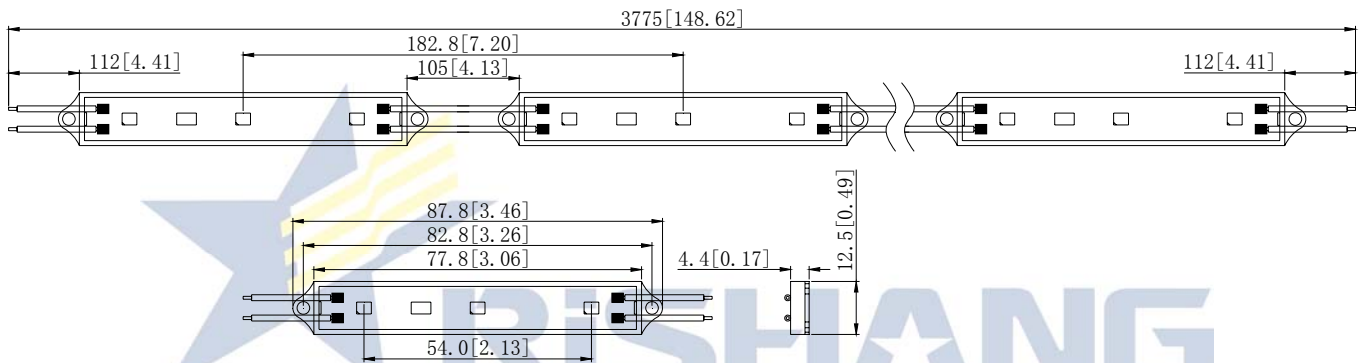
| P/N | LED Color | Standard cascading qty (pcs) | Max. cascading qty | | Single module weight | | Operating Temperature | | Storage Temperature | | IP Grade |
|--------|---|------------------------------|--------------------|--------------------|----------------------|-------|-----------------------|--------------|---------------------|--------------|----------|
| | | | Single-ended (pcs) | Double-ended (pcs) | (g) | (lb) | (°C) | (°F) | (°C) | (°F) | |
| M143TA | White Red Yellow Green Blue | 20 | 20 | / | 6.2 | 0.013 | -25~ +60 | -13~ +140 | -25~ +70 | -13~ +158 | IP65 |

Notes:

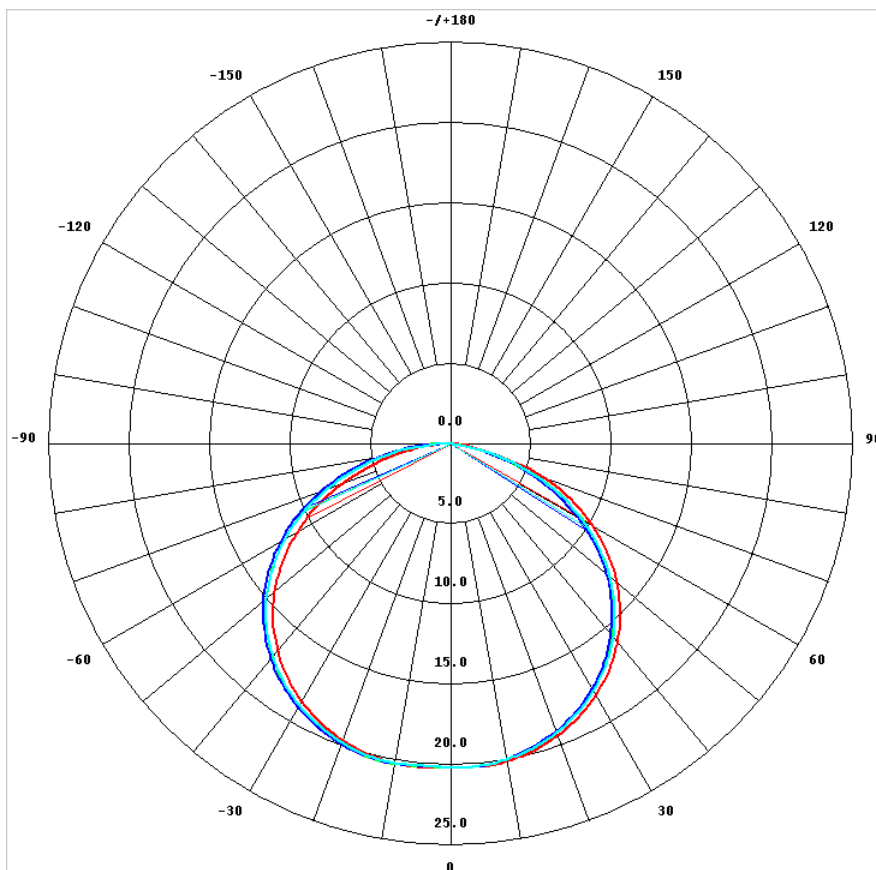
- ① Testing environment temperature: 25±2°C [77±3.6°F];
- ② The actual data of each single product may differ from above typical data which are subject to change without prior notice.

Profile Drawings:

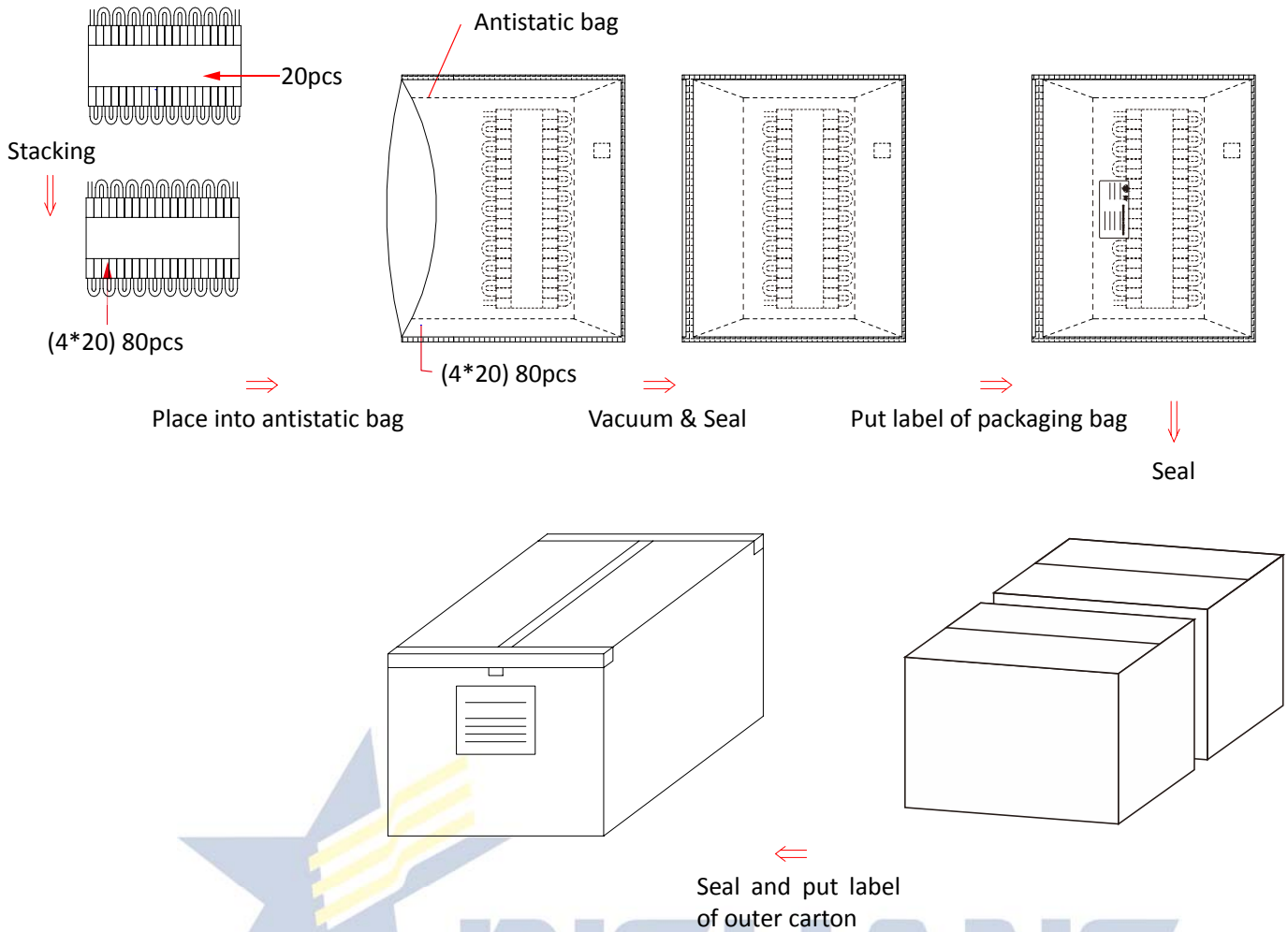
Unit: mm [in]



Light Distribution:



Packaging Diagrams:



Packaging Information:

1. Put this product into anti-static bags and then packaged into double-deck corrugated carton;
2. Outer Carton: 52.8*37.6*27.2cm =0.0539 (1±10 %) CBM [20.78*14.80*10.70in]; inner carton: 35.8*25.6*24.2cm =0.0221 (1±10%) CBM [14.09*10.07*9.52in];
3. 20pcs modules per cascading, 4pcs cascading in each antistatic bag, 12pcs antistatic bags per inner carton, 2pcs inner cartons packed into the outer carton, 1920pcs modules in total;
4. Net Weight (N.W): 11.88 (1±10%) kg [26.19 (1±10%) lb];
5. Gross Weight (G.W): 13.91 (1±10%) kg [30.66 (1±10%) lb];
6. The actual packed quantity and weight may subject to change without prior notice.