

## SOPN-MX28357000

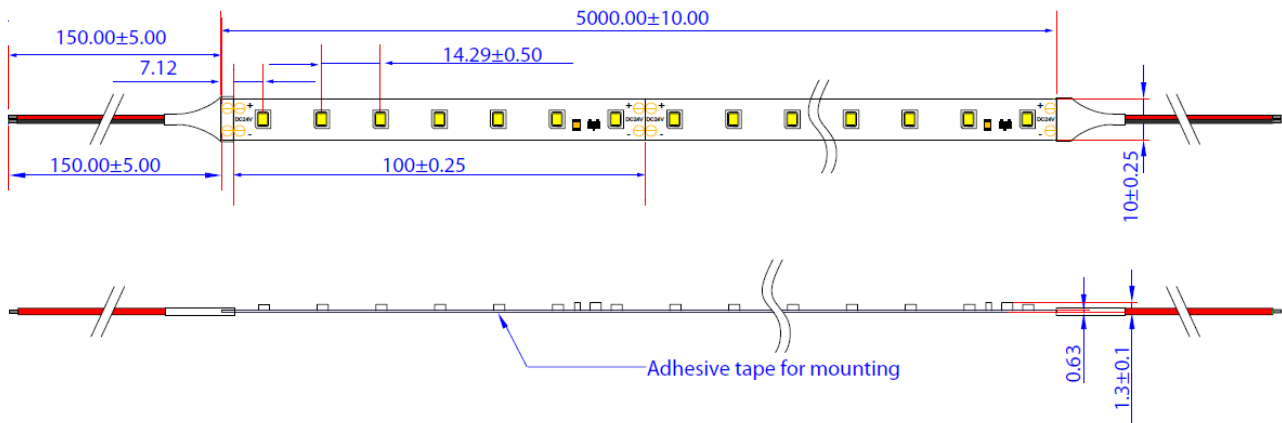
Part number	LED color	Typ. CCT	CRI	Typ. Luminous flux @ Tc 25°C	Typ. Luminous flux @Tc 65°C
SOPN-MW28357000	Cool white	5700K	>80	2160lm/m	1944lm/m
SOPN-MS28357000	Natural white	4000K	>80	2160lm/m	1944lm/m
SOPN-MN28357000/3000K	Warm white	3000K	>80	2015lm/m	1814lm/m
SOPN-MN28357000/2700K	Warm white	2700K	>80	1915lm/m	1732lm/m

### Product features

<b>Dimensions</b>	5000 x 10 mm
<b>PCB material</b>	Flex
<b>LED</b>	2835 pkg
<b>Supply voltage</b>	24V
<b>Supply current</b>	600mA/m
<b>Power dissipation</b>	14,4W/m
<b>Inverse-polarity protection</b>	no
<b>Connector</b>	wires
<b>Energy Classification</b>	A+ ab 09.20 D
<b>Protection</b>	IP00
<b>Other</b>	Sticky tape on backside
<b>Certification</b>	IEC 62031; IEC 62778; IEC 62717; IEC 61000-4-2



**Drawing :**



Min Cutting length 100mm

Due to technical reasons, we are free to use an updated LED version without any notification to the customer.

**Lumen maintenance for 2835-24v-70LED/M Series**

Supply Voltage	Tp temperature	L90/F10	L90/F50	L80/F10	L80/F50	L70/F10	L70/F50
24V	40	>27,000 h	>29,000 h	>29,000 h	>30,000 h	>30,000 h	>30,000 h
24V	45	>26,000 h	>28,000 h	>28,000 h	>30,000 h	>30,000 h	>30,000 h
24V	55	>24,000 h	>26,000 h	>26,000 h	>30,000 h	>30,000 h	>30,000 h
24V	65	>22,000 h	>24,000 h	>25,000 h	>30,000 h	>30,000 h	>30,000 h
24V	75	>20,000 h	>22,000 h	>23,000 h	>30,000 h	>30,000 h	>30,000 h

## References:

- According to DIN EN 62031, the modules have to be evaluated as integrated modules and need to be tested in the lamp / application.
- Transient overvoltage can damage the module.
- The electrical safety of the module has to be evaluated in the application.
- A conformity test must be carried out after installation in the application.
- The components on the LED module are sensitive to electrostatic discharge (ESD) and electrical overstress (EOS).
- LEDs are encapsulated with silicon for a high optic efficiency.
- Do not touch the silicon with sharp or pointy objects such as tweezers.
- Fingerprints on the silicon may affect the optical characteristics.
- UV or sunlight may affect/discolor the silicon socketing.
- Do not use dissolver-containing glue.
- Do not modify the module.
- Only use tools specified for the voltage.
- Do not touch any parts, components or connectors on the PCB while the product is in operation.
- Do not change or modify the connecting cable while the module is in operation.
- Avoid solder beads, flux remains etc. to avoid short-circuits.
- Please store the LEDs in vacuum sealed bags to avoid dust.
- Do not exert mechanical pressure on the module since even low application of force can damage the components. Do not expose the module to high temperature, high humidity and direct sunlight.
- Do not cover or pot the LEDs with a different potting material such as Epoxy, Urethan.
- Any additional molding of the LED module is not recommended as the LED might be damaged by unqualified potting materials or methods. The optical characteristics of the LEDs might be changed by any kind of molding.
- Do not use sulfur-containing materials in the environment of the modules.
- Do not operate or mount the module in an environment with high humidity or gases such as Cl, H<sub>2</sub>S, NH<sub>3</sub>, SO<sub>2</sub>, NO<sub>x</sub>, etc.
- Corrosion damage resulting from contact of the LED module with moisture and condensation water cannot be acknowledged as defect.
- The correct thermal management of the LED application has to be ensured by the customer. Insufficient thermal management may cause damage to the LED or to other components. A sufficient heat transfer has to be ensured by using a heat sink or similar.



- Only operate the LED module using power supply in accordance to the technical specification.
- Be aware of the correct polarity
- The start-up of the LED modules (with power supply) must be carried out according to instructions of an electrically skilled person.

Do not twist it



The maximum bending angle is 180° and the minimum bend radius is 3mm. Do not bend the components and solder parts (each 50cm)



Cut the LED tape along the cutting lines



Do not touch the emitting surface when installing and moving



If it's necessary to change the position after installation, please be noted the tear angle should not exceed 30°

