

## LED Strip 12W /m 24V 112LED /m 140lm/W

High quality LED strip for professional use with seven LEDs in one module to achieve luminous efficacy up to 140lm/W. Two layers of PCB with 3oz copper paths characterized by a lower voltage drop and lower operating temperature. On a base using adhesive tape 3M 300 LSE. LEDs that meet requirements of LM-80 test, guaranteeing small lumen decrease and colour constancy in time.

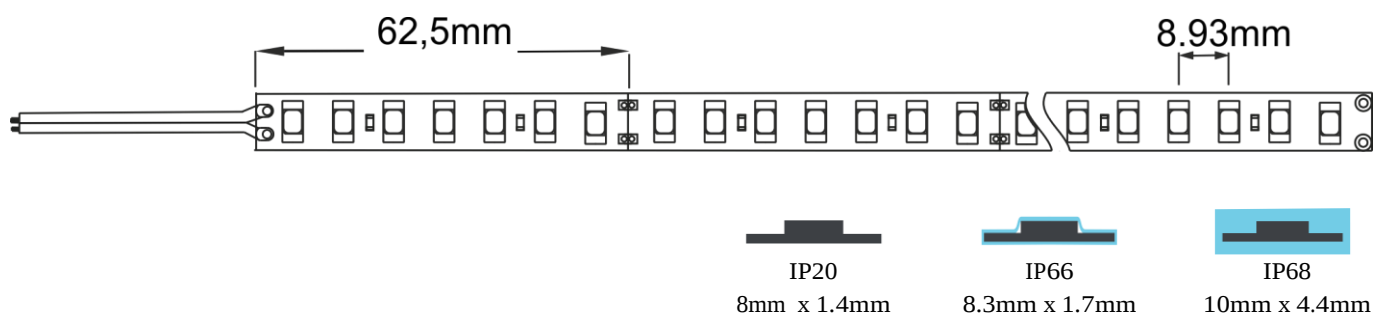
- 12W
- 24V DC
- 140lm/W LM80 SDCM  $\leq 3$
- 6.25cm cutting length
- 3oz 8mm FPC
- CRI>80, available over 95
- 75000h L70 lifespan
- 30m reel for IP20, 10m for IP66 / IP68
- Warranty 3 years



## Specification

| SYMBOL | CCT   | IP     | lm/m |
|--------|-------|--------|------|
| ST4137 | 6000K | IP20 / | 1600 |
| ST4138 | 4000K | IP20 / | 1560 |
| ST4140 | 3000K | IP20 / | 1520 |

## Dimensions



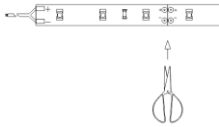
## Environment

| Parameter                         | VALUE    | UNIT |
|-----------------------------------|----------|------|
| Permissible operating temperature | -20 - 50 | °C   |
| Permissible storage temperature   | -20 - 60 | °C   |

## Installation / General safety information

Before starting installation of a strip, please read this information carefully:

- Assembly should be carried out by a person holding appropriate authorizations
- Before starting assembly operations, disconnect the power supply circuit
- Carefully unwind the strip, do not bend or stretch it
- The strip can be cut only in spots indicated for this purpose



- Maximum length of a section powered on one side is 5 m for up to 10W/m strips and 3 m for strips over 10W/m.
- Depending on the total power of a LED strip, select appropriate power supply, allowing 10% power surplus, and the same voltage.
- Connect the LED strip with the power supply unit/controller with a suitable connector or by soldering the wire to the strip
- Depending on its total power and length, the wire should have adequate cross-section
- Ensure appropriate polarity of wires
- Insulate the connection properly
- Prior to sticking the strip, check if the strip produces correct and uniform light.
- When mounting LED strip on electrically conducting surface, make sure whether adhesive tape is properly laid, and there is no shorting between the LED strip and the mounting surface
- Strip with power over 10W/m should be mounted on metallic surfaces in order to ensure good heat removal
- Clean the mounting place
- Stick the strip to the surface. In the case of mounting on rough surfaces, or perpendicularly to the base, additional assembly adhesive can be needed.
- During its all lifetime the strip cannot be exposed to stresses.

### Ingress protection rating

IP20 for indoor mounting, in rooms not exposed to moisture

IP65 for indoor mounting, in rooms with higher degree of moisture content, resistant to splashing

IP66 for indoor and outdoor mounting, in rooms with higher degree of moisture content, resistant to splashing, resistant to rain

IP68 for indoor and outdoor mounting, as well as for mounting directly in water

To keep the ingress protection rate, the tape after being cut off, should be properly insulated.

### Warranty conditions

1. Warranty services are provided only upon presentation of the purchase document
2. Warranty period is from 12 to 36 months from the date of purchase (Warranty period marked on the product).
3. The warranty does not cover damages resulted from external causes, i.e., mechanical damage, defects caused by improper installation of the product, unauthorized repairs.

### Maintenance and disposal

Use clean antistatic and dry cloth for cleaning the device. Do not use chemical cleaning agents or those that contain solvents. Before cleaning disconnect power supply.

Electronic devices contain recyclable materials. Disposal of such materials together with ordinary wastes is not permitted. This product after its service life has to be disposed of in compliance with local regulations of law.