LED STRIPS – LED 3535 – 24V – RGB – IP20 & IP65

Technical details

Product No.	**A41ST241200R**	**A41ST24120AR**
Led Q.ty (LEDs/m)	120	120
Led Type	3535	3535
Power (W/M)	14,4	14,4
Voltage (V)	24 ±3%	24 ±3%
Current (mA/M)	600mA	600mA
Lenght/Reel (M)	5	5
Beam	120°	120°
Water-proof rating	IP20	IP65

Non-directional or directional light source:	Non-directional (NDLS)
Mains or non-mains light source:	Non-mains (NMLS)
Dimmable:	Only with specific LED drivers
Cables type:	PVC 80°C 20AWG lenght 15cm (single ended)
Pcb material:	COPPER
Tape type:	3M
Protection against electric shock:	Class III
Version:	Integral
Safety isolating:	See electronic controlgear
Nominal lifetime LM-80:	L_{70} B_{50} >50000 h

Lumens per meter

Color Temperature	A41ST241200R	A41ST24120AR
RED	70 lm	66 lm
GREEN	420 lm	414 lm
BLUE	120 lm	118 lm
RGB	600 lm	600 lm

● Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

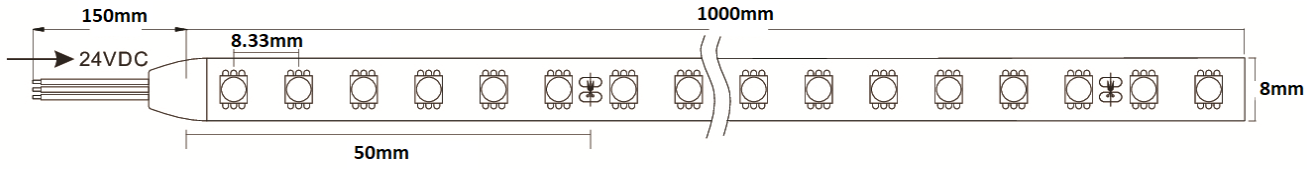
Efficacy

Color Temperature	A41ST241200R	A41ST24120AR
RGB	42 lmW	42 lmW

Working conditions

Working Temperature (°C)	-20 ÷ 50
Storage Temperature (°C)	-30 ÷ 80
Voltage Range (Vdc)	23 ÷ 25
Reverse Voltage (Vdc)	25
Reference temperature (Tc)	80° C

Dimensions



Weight/5m reel

A41ST241200R	140 gr.
A41ST24120AR	185 gr.

Safety warning

- Install in accordance with national standards and local electrical codes.
- This product must be installed and maintained by a qualified electrician.
- Only install it with Class 2 DC constant voltage driver, do not use this product if it does not comply with Class 2 standard.
- The power of drive must meet the output of the rated power, and do not exceed the specified output power.
- Use a cable with rated temperature at least 80 ° C and be certified for external connection of the electrical equipment.
- Improper electrical installation may cause the cable to overheat and cause a fire. Please use a suitable cable between the driver, the lamp, and the controller. When selecting a wire, the voltage and current must meet the rated values.
- The LED module itself and all its components must not be mechanically stressed.
- Assembly must not damage or destroy conducting paths on the circuit board.
- To avoid mechanical damage, the LED modules should be mounted securely to the intended substrate. Heavy vibration should be avoided.
- Installation of LED modules (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Observe correct polarity! Incorrect polarity will lead to no light emission and may cause damage of the LED module.
- 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 LED module.
- When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical isolation at soldering points between module and the mounting surface.
- Pay attention to ESD steps when mounting the module.
- Please ensure that the power supply is of adequate power to operate the total load.
- Damage by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.
- For applications involving exposure to humidity and dust the module must be protected by a fixture or housing with a suitable protection class.
- This product is not resistant to vulcanization, LED vulcanization damage will not be compensated. It is the responsibility of the user to provide appropriate protection against harmful sulphide components.