

LED STRIPS – LED 3527 – 24V – RGB+W – IP20 & IP65



Technical details

Product No.	A41S24120RW0	A41S2412ARW0
Led Q.ty (LEDs/m)	120	120
Led Type	3527	3527
Power (W/M)	19,2	19,2
Voltage (V)	24 ±3%	24 ±3%
Current (mA/M)	800mA	800mA
Lenght/Reel (M)	5	5
Beam	120°	120°
Water-proof rating	IP20	IP65

Non-directional or directional light source: Mains or non-mains light source: Dimmable: Cables type: Pcb material: Tape type: Energy rating: Protection against electric shock: Version: Safety isolating: Lumen maintenance factor: Survival factor: Nominal lifetime LM-80: Photobiological Safety (Blue light hazard) according to IEC TR 627778:	Non-directional (NDLS) Non-mains (NMLS) Only with specific LED drivers PVC 80°C 20AWG lenght 36cm (double ended) COPPER 3M 9080 G Class III Integral See electronic controlgear 96% 100% L70 B50 >54000 h Risk Exempt (RG0 group)
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*Energy class is calculated according to Spectrum test measurements

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Lumens per meter

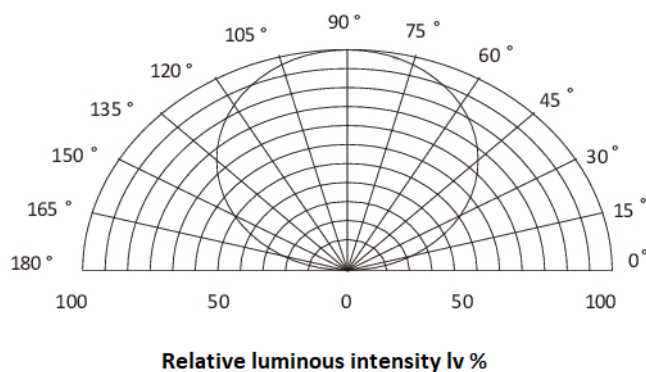
Color Temperature	A41S24120RW0	A41S2412ARW0
2700K	430 lm	400 lm
RED	171 lm	160 lm
GREEN	395 lm	392 lm
BLUE	92 lm	88 lm
RGB+W	1040 lm	1020 lm

• 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	A41S24120RW0	A41S2412ARW0
2700K	90 lmW	83 lmW
RED	36 lmW	33 lmW
GREEN	82 lmW	82 lmW
BLUE	19 lmW	18 lmW
RGB+W	56 lmW	54 lmW

Light distribution

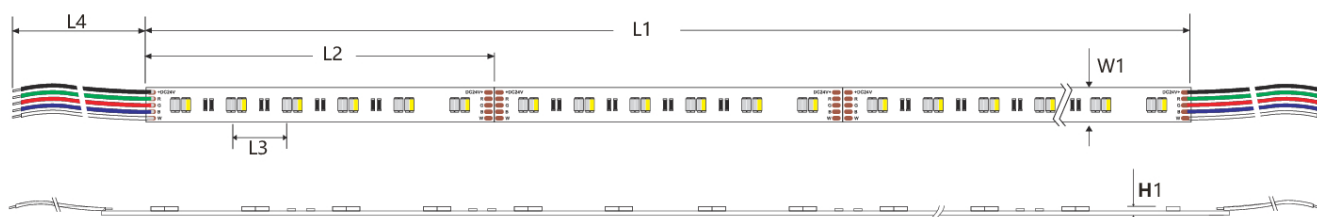


Working conditions

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

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Dimensions



Dimensions	A41S24120RW0	A41S2412ARW0	Tolerance
L1(mm)	5004	5004	± 10
L2(mm)	100	100	± 1
L3(mm)	16.7	16.7	± 0.2
L4(mm)	360	360	± 5
W1(mm)	10	10	± 0.1
H1(mm)	2.1	3.2	± 0.1

Weight/5m reel

A41S24120RW0	150 gr.
A41S2412ARW0	235 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.

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- 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.