LED STRIPS – LED 5050 – 24V – RGB – IP20, IP65 & IP68

Technical details

Product No.	**A41ST24600RG**	**A41ST2460ASR**	**A41ST2460ISR**
Led Q.ty (LEDs/m)	60	60	60
Led Type	5050	5050	5050
Power (W/M)	14,4	14,4	14,4
Voltage (V)	24 ±3%	24 ±3%	24 ±3%
Current (mA/M)	600mA	600mA	600mA
Lenght/Reel (M)	5	5	5
Beam	120°	120°	120°
Water-proof rating	IP20	IP65	IP68

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 36cm (double ended)
Pcb material:	COPPER
Tape type:	3M 9080
Protection against electric shock:	Class III
Version:	Integral
Safety isolating:	See electronic controlgear
Lumen maintenance factor:	96%
Survival factor:	100%
Nominal lifetime LM-80:	L_{70} B_{50} >54000 h
Photobiological Safety (Blue light hazard) according to IEC TR 627778:	Risk Exempt (RG0 group)

Lumens per meter

Color Temperature	A41ST24600RG	A41ST2460ASR	A41ST2460ISR
RED	179 lm	176 lm	173 lm
GREEN	445 lm	445 lm	440 lm
BLUE	94 lm	97 lm	95 lm
WHITE	710 lm	714 lm	711 lm

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

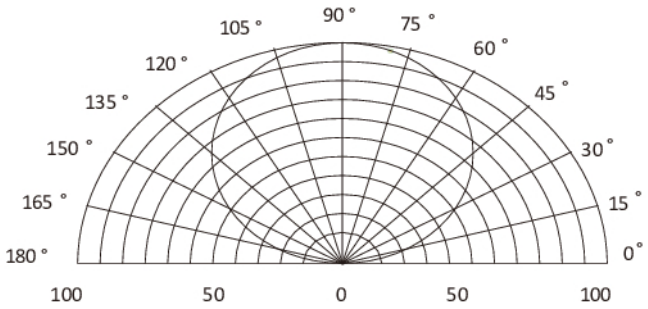
Efficacy

Color Temperature	A41ST24600RG	A41ST2460ASR	A41ST2460ISR
RED	37 lmW	37 lmW	36 lmW
GREEN	93 lmW	93 lmW	92 lmW
BLUE	20 lmW	20 lmW	20 lmW
WHITE	50 lmW	50 lmW	50 lmW

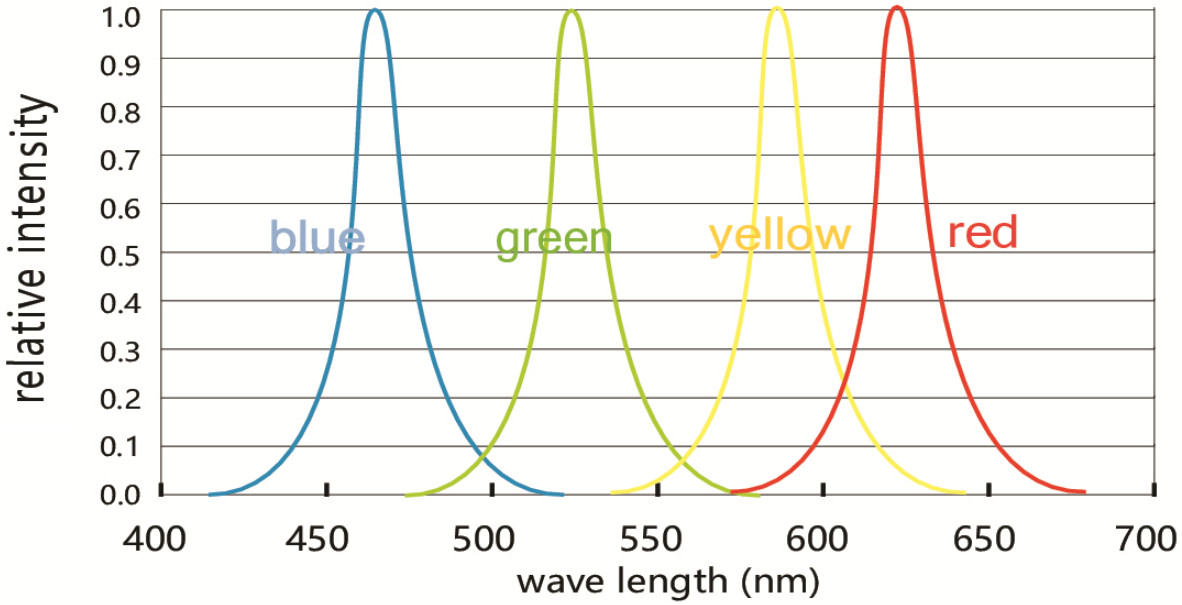
Working conditions

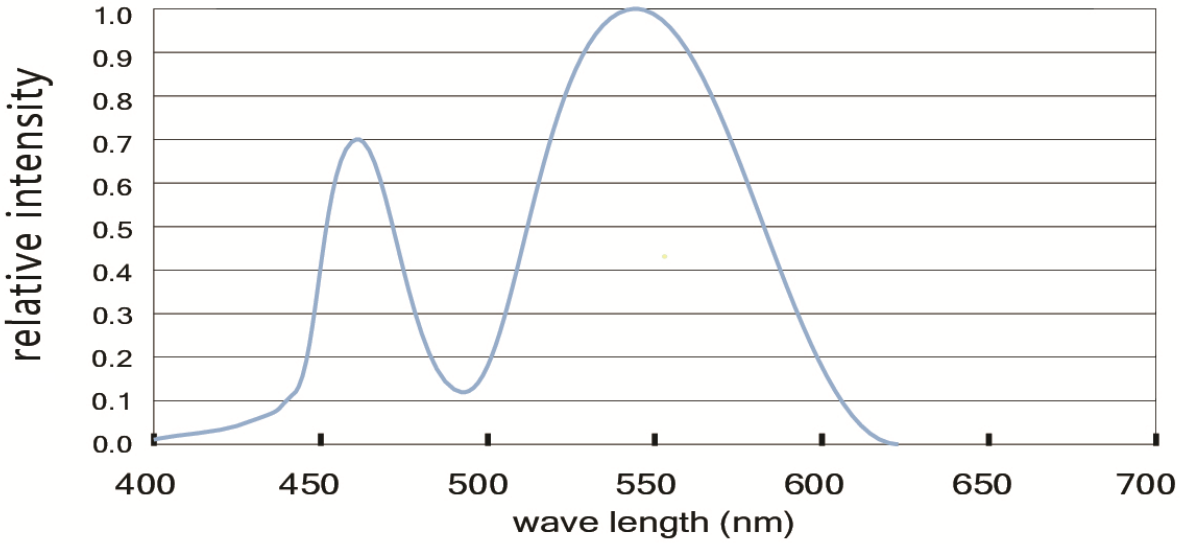
Working Temperature (°C)	-20 ÷ 50
Storage Temperature (°C)	-30 ÷ 80
Voltage Range (Vdc)	23 ÷ 25
Reverse Voltage (Vdc)	25
Reference temperature (Tc)	80° C

Light distribution



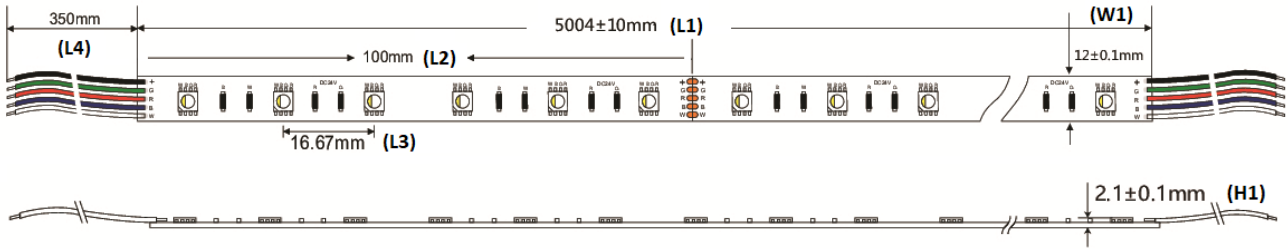
Relative luminous intensity Iv %



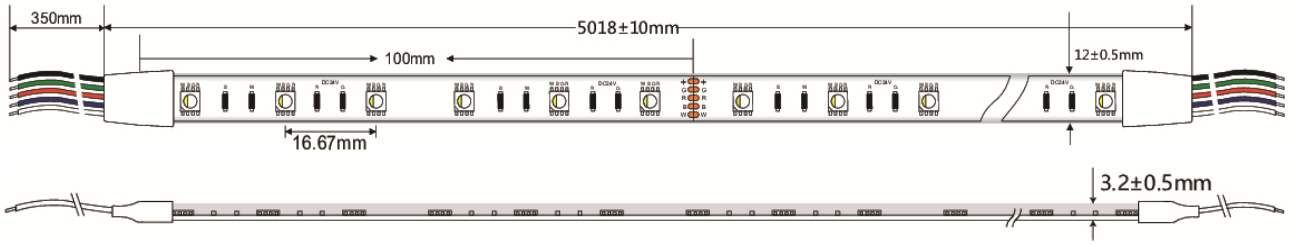


Dimensions

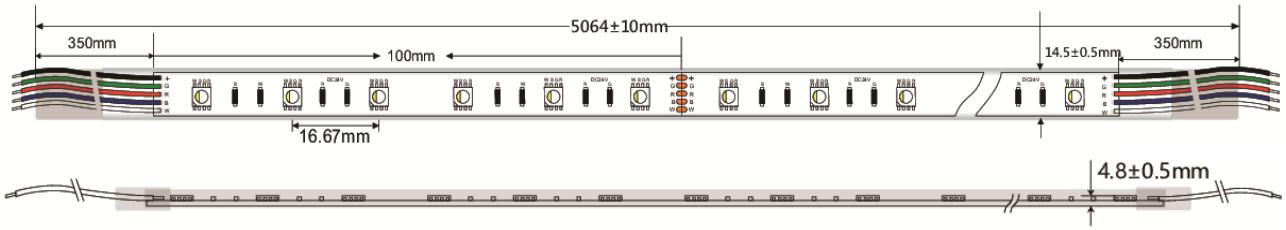
A41ST24600RG – IP20



A41ST2460ASR – IP65



A41ST2460ISR – IP68



Dimensions	A41ST24600RG	A41ST2460ASR	A41ST2460ISR	Tolerance
L1(mm)	5004	5018	5064	± 10
L2(mm)	100	100	100	± 1
L3(mm)	16.67	16.67	16.67	± 0.2
L4(mm)	350	350	350	± 5
W1(mm)	12	12	14,5	± 0.1 (IP20) / ± 0.5 (IP65/IP68)
H1(mm)	2.1	3.2	4.8	± 0.1 (IP20) / ± 0.5 (IP65/IP68)

Weight/5m reel

A41ST24600RG	155 gr.
A41ST2460ASR	240 gr.
A41ST2460ISR	510 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.