



Technical details

Product No.	A41D242006xx	A41D242008xx	A41D242011xx
Led Q.ty (LEDs/m)	200	200	200
Led Type	2835D	2835D	2835D
Power (W/M)	6	8	11,5
Voltage (V)	24 ±3%	24 ±3%	24 ±3%
Current (mA/M)	250mA	333mA	479mA
CRI (Ra)	≥ 80	≥ 80	≥ 80
Lenght/Reel (M)	5	5	5
Beam	120°	120°	120°
Water-proof rating	IP20	IP20	IP20

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 62778:	Non-directional (NDLS) Non-mains (NMLS) Only with specific LED drivers PVC 80°C 20AWG lenght 36cm (double ended) COPPER 3M 9080 D/C (EU 2019/2015) * 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

LED STRIPS – LED 2835D – High Efficiency – IP20 – D Serie

Lumens per meter

Color Temperature	A41D242006xx	A41D242008xx	A41D242011xx
2700K	1010 lm	1360 lm	1930 lm
3000K	1030 lm	1380 lm	1990 lm
4000K	1160 lm	1410 lm	2020 lm

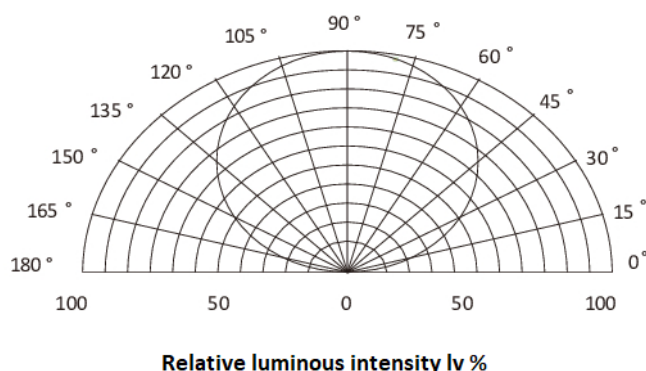
● Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

Efficacy

Color Temperature	A41D242006xx	A41D242008xx	A41D242011xx
2700K	168 lmW	170 lmW	168 lmW
3000K	172 lmW	173 lmW	173 lmW
4000K	193 lmW	176 lmW	176 lmW

● Note: "xx"=CCT 27"(2700K)/"30"(3000K)/"40"(4000K)

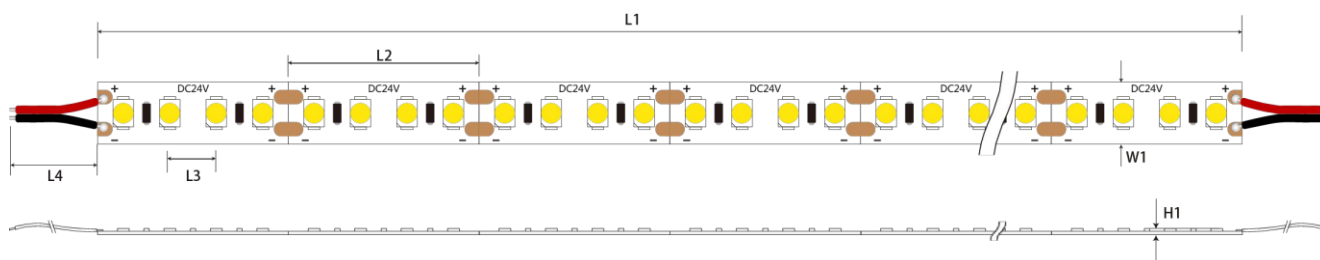
Light distribution



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

Dimensions



Dimensions	A41D242006xx	A41D242008xx	A41D242011xx	Tolerance
L1(mm)	5004	5004	5004	± 10
L2(mm)	20 (4 LED)	20 (4 LED)	20 (4 LED)	± 1
L3(mm)	5	5	5	± 0.2
L4(mm)	360	360	360	± 5
W1(mm)	8	8	8	± 0.1
H1(mm)	1.4	1.4	1.4	± 0.1

Weight/5m reel

A41D242006xx	145 gr.
A41D242008xx	145 gr.
A41D242011xx	145 gr.

Energy labelling (EU 2019/2015) and Ecodesign (EU 2019/2020) regulations

Part Number	N° EPREL	EU 2019/2015 Energy rating	EU 2019/2020 Compliance
A41D24200627 – 2700K	975914	D	COMPLIANT
A41D24200630 – 3000K	975918	D	COMPLIANT
A41D24200640 – 4000K	976398	C	COMPLIANT
A41D24200827 – 2700K	976403	D	COMPLIANT
A41D24200830 – 3000K	976410	D	COMPLIANT
A41D24200840 – 4000K	976414	C	COMPLIANT
A41D24201127 – 2700K	976419	D	COMPLIANT
A41D24201130 – 3000K	976424	C	COMPLIANT
A41D24201140 – 4000K	976430	C	COMPLIANT

The scan of the QR Code on the energy label of the product refers directly to the description of the model in the EPREL (EU Product Database for Energy Labelling) database, where it is possible to download the energy labels and the information sheet of the product.

In alternative, it is possible to access the database using the model registration number (EPREL ID), which you can obtain from the product supplier.

Just insert in the browser the link <https://eprel.ec.europa.eu/screen/product/lightsources/> and add the EPREL ID after the last slash.

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.