



### Technical details

Product No.	A41H240700xx	A41H241400xx	A41H242100xx	A41H242520xx
Led Q.ty (LEDs/m)	70	140	210	252
Led Type	2835	2835	2835	2835
Power (W/M)	4,8	9,6	14,4	18
Voltage (V)	24 ±3%	24 ±3%	24 ±3%	24 ±3%
Current (mA/M)	200	400	600	750
CRI (Ra)	≥ 80	≥ 80	≥ 80	≥ 80
Lenght/Reel (M)	5	5	5	5
Beam	120°	120°	120°	120°
Water-proof rating	IP20	IP20	IP20	IP20

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
Energy rating:	<b>F/E/D/C</b> (EU 2019/2015) *
Protection against electric shock:	Class III
Version:	Integral
Safety isolating:	See electronic controlgear
Lumen maintenance factor:	96%
Survival factor:	100%
Nominal lifetime LM-80:	L70 B50 >54000 h
Photobiological Safety (Blue light hazard) according to IEC TR 627778:	Risk Exempt (RG0 group)

\*Energy class is calculated according to Spectrum test measurements

## LED STRIPS – LED 2835 – High Efficiency – IP20 – H Serie

### Lumens per meter

Color Temperature	A41H240700xx	A41H241400xx	A41H242100xx	A41H242520xx
1800K	//	850 lm	//	//
2100K	//	1080 lm	//	//
2400K	580 lm	1250 lm	//	2280 lm
2700K	630 lm	1306 lm	1890 lm	2320 lm
3000K	658 lm	1332 lm	1970 lm	2360 lm
4000K	732 lm	1380 lm	2040 lm	2460 lm
5000K	//	1800 lm	//	//
6000K	690 lm	1700 lm	2210 lm	2520 lm

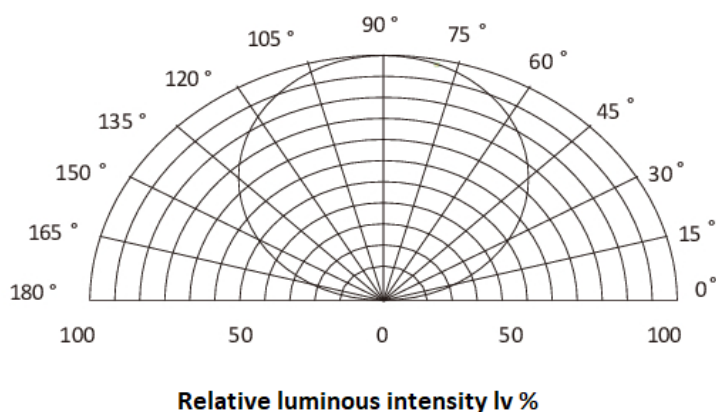
● Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

### Efficacy

Color Temperature	A41H240700xx	A41H241400xx	A41H242100xx	A41H242520xx
1800K	//	88 lmW	//	//
2100K	//	112 lmW	//	//
2400K	121 lmW	130 lmW	//	127 lmW
2700K	131 lmW	136 lmW	131 lmW	129 lmW
3000K	137 lmW	139 lmW	137 lmW	131 lmW
4000K	153 lmW	144 lmW	142 lmW	137 lmW
5000K	//	188 lmW	//	//
6000K	144 lmW	177 lmW	153 lmW	140 lmW

● Note: "xx"=CCT "18"(1800K)/"21"(2100K)/"24"(2400K)/"27"(2700K)/"30"(3000K)/"40"(4000K)/"50"(5000K) / "60"(6000K)

### Light distribution

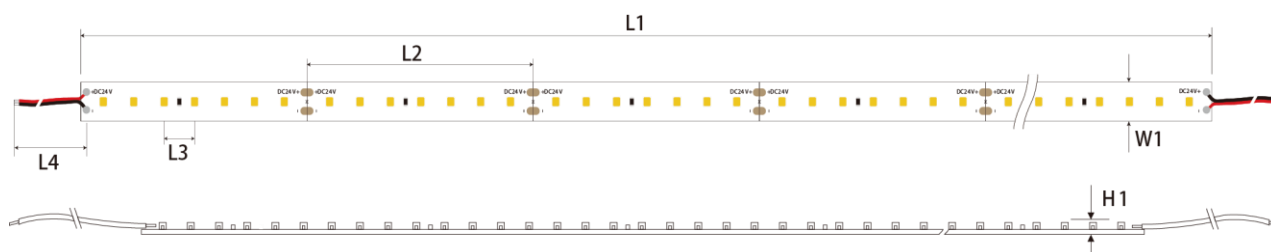


## LED STRIPS – LED 2835 – High Efficiency – IP20 – H Serie

### 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

### Product dimensions



Dimensions	A41H240700xx	A41H241400xx	A41H242100xx	A41H242520xx	Tolerance
L1(mm)	5004	5004	5004	5004	± 10
L2(mm)	100 (7 LED)	50 (7 LED)	33.3 (7 LED)	27.8 (7 LED)	± 1
L3(mm)	14.3	7.1	4.8	4.0	± 0.2
L4(mm)	360	360	360	360	± 5
W1(mm)	8	8	10	10	± 0.1
H1(mm)	1.4	1.4	1.4	1.4	± 0.1

### Product weight

A41H240700xx	100 gr.
A41H241400xx	125 gr.
A41H242100xx	150 gr.
A41H242520xx	175 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
A41H24070024 – 2400K	994915	E	COMPLIANT
A41H24070027 – 2700K	890553	E	COMPLIANT
A41H24070030 – 3000K	842232	E	COMPLIANT
A41H24070040 – 4000K	842251	D	COMPLIANT
A41H24070060 – 6000K	890561	E	COMPLIANT
A41H24140018 – 1800K	//	N/A	N/A
A41H24140021 – 2100K	2615715	F	COMPLIANT
A41H24140024 – 2400K	994940	E	COMPLIANT
A41H24140027 – 2700K	842507	E	COMPLIANT
A41H24140030 – 3000K	842511	E	COMPLIANT
A41H24140040 – 4000K	842533	E	COMPLIANT
A41H24140050 – 5000K	890646	C	COMPLIANT
A41H24140060 – 6000K	842972	C	COMPLIANT
A41H24210027 – 2700K	842577	E	COMPLIANT
A41H24210030 – 3000K	842591	E	COMPLIANT
A41H24210040 – 4000K	842602	E	COMPLIANT
A41H24210060 – 6000K	892713	D	COMPLIANT
A41H24252024 – 2400K	994969	E	COMPLIANT
A41H24252027 – 2700K	842625	E	COMPLIANT
A41H24252030 – 3000K	842635	E	COMPLIANT
A41H24252040 – 4000K	894342	E	COMPLIANT
A41H24252060 – 6000K	894367	E	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.