Technical details

Product No.	A41H48140Axx
Led Q.ty (LEDs/m)	140
Led Type	2835
Power (W/M)	14,4
Voltage (V)	48 ±3%
Current (mA/M)	300
CRI (Ra)	≥ 90
Lenght/Reel (M)	20 (Powered by one side only)
Beam	120°
Water-proof rating	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 36cm (double ended)
Pcb material:	COPPER
Tape type:	3M 9080
Energy rating:	**E** (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:	L_{70} B_{50} >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 – 48V LED 2835 – High Efficiency – IP65

Lumens per meter

Color Temperature	A41H48140Axx
3000K	1800 lm
4000K	1825 lm

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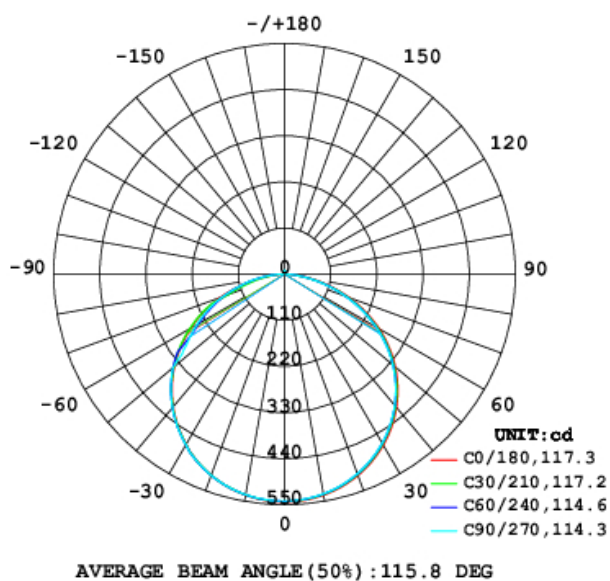
Efficacy

Color Temperature	A41H48140Axx
3000K	125 lmW
4000K	127 lmW

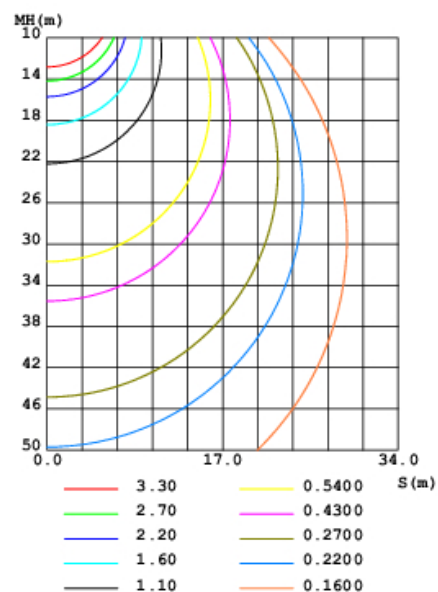● **Note: "xx"=CCT "30"(3000K)/"40"(4000K)**

Light distribution

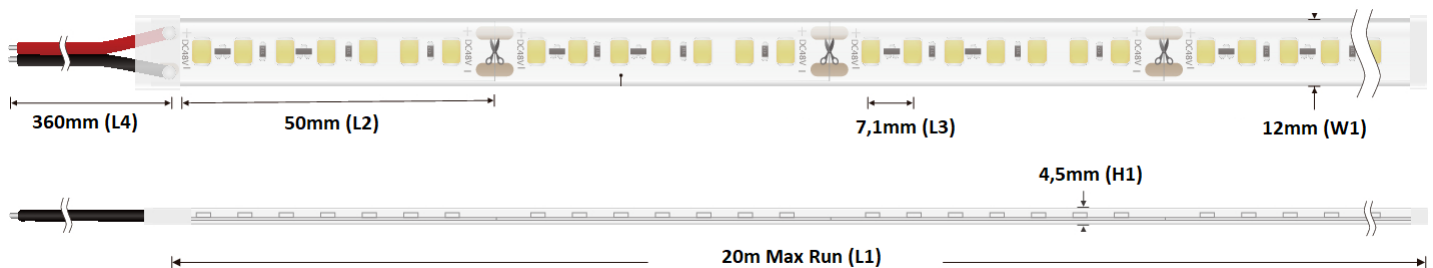| LUMINOUS INTENSITY DISTRIBUTION DIAGRAM	C0 PLANE ISOLUX DIAGRAM (UNIT:lx)

UNIT:cd
C0/180,117.3
C30/210,117.2
C60/240,114.6
C90/270,114.3

AVERAGE BEAM ANGLE(50%):115.8 DEG

MH(m)

3.30		0.5400	
2.70		0.4300	
2.20		0.2700	
1.60		0.2200	
1.10		0.1600	

S(m)

Working conditions

Working Temperature (°C)	-20 ÷ 50
Storage Temperature (°C)	-30 ÷ 80
Voltage Range (Vdc)	47 ÷ 49
Reverse Voltage (Vdc)	49
Reference temperature (Tc)	80° C

Dimensions

Dimensions	A41H48140Axx	Tolerance
L1(m)	20	± 10
L2(mm)	50 (7 LED)	± 1
L3(mm)	7.1	± 0.2
L4(mm)	360	± 5
W1(mm)	10	± 0.1
H1(mm)	4.5	± 0.1

Product weight / 20m reel

A41H48140Axx	830 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
A41H48140A30 – 3000K	1609523	E	COMPLIANT
A41H48140A40 – 4000K	1609529	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.

Accessories included in the reel packaging

	Cap (x 10)
	Clip (x 20) + screw (x 40)
	Glue + glue nozzle (x 2)

Installation

1	2	3
Clean the interested surface with a cloth	Pull off the 3M tape on the back of the LED strip	Finally stick the LED strip on the clean surface