



Technical details

| Product No. | A41H481400xx |
|--------------------|-------------------------------|
| 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 | 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: | E/F (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 – 48V LED 2835 – High Efficiency – IP20

Lumens per meter

| Color Temperature | A41H481400xx |
|-------------------|--------------|
| 2700K | 1690 lm |
| 3000K | 1870 lm |
| 4000K | 1885 lm |

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

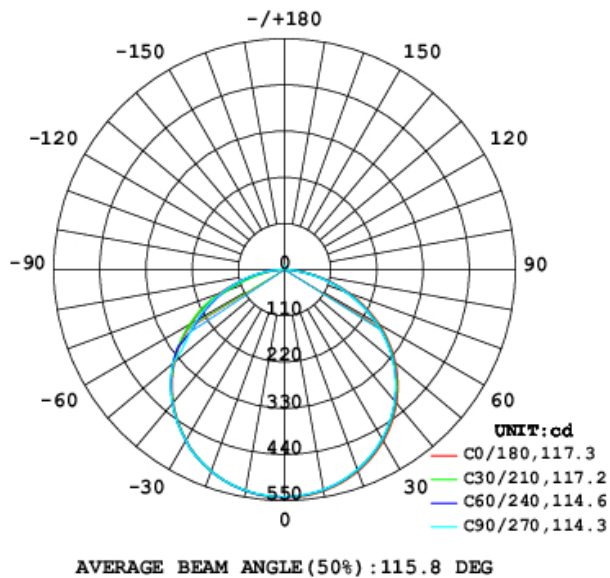
Efficacy

| Color Temperature | A41H481400xx |
|-------------------|--------------|
| 2700K | 117lmW |
| 3000K | 128 lmW |
| 4000K | 132 lmW |

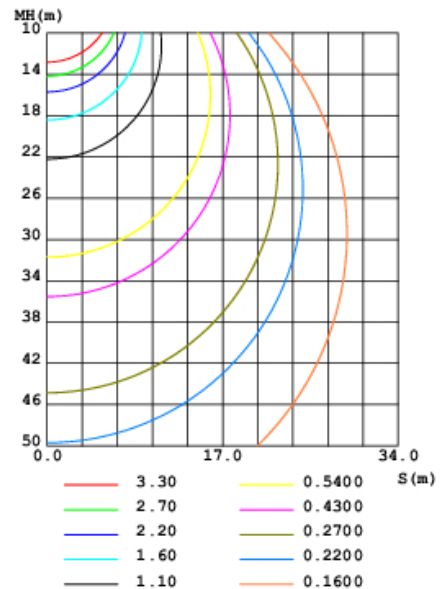
• Note: "xx"=CCT "27"(2700K)/"30"(3000K)/"40"(4000K)

Light distribution

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)

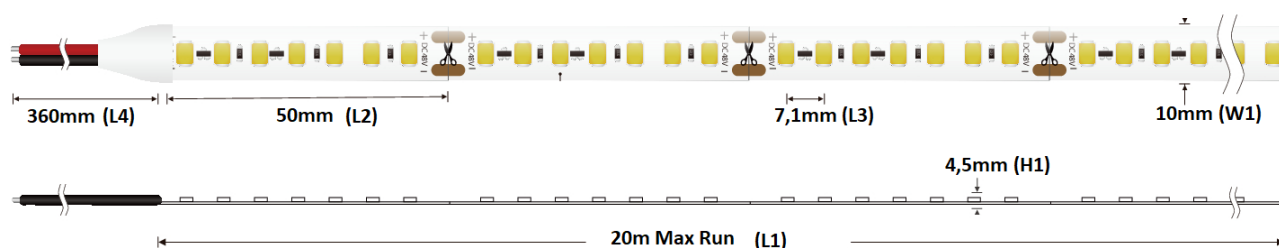


Working conditions

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

LED STRIPS – 48V LED 2835 – High Efficiency – IP20

Dimensions



| Dimensions | A41H481400xx | 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

| | |
|--------------|---------|
| A41H481400xx | 330 gr. |
|--------------|---------|

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

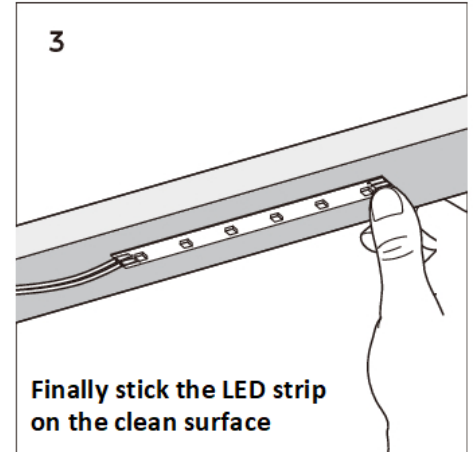
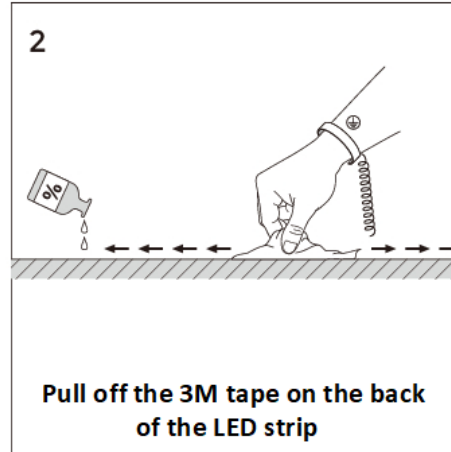
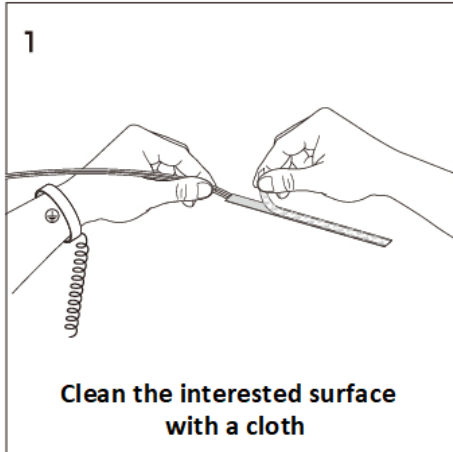
| Part Number | N° EPREL | EU 2019/2015 Energy rating | EU 2019/2020 Compliance |
|----------------------|----------|----------------------------|-------------------------|
| A41H48140027 – 2700K | 2567061 | F | COMPLIANT |
| A41H48140030 – 3000K | 1609488 | E | COMPLIANT |
| A41H48140040 – 4000K | 1609501 | 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.

Installation



Cutting

