



Technical details

| | |
|--------------------|---------------------|
| Product No. | A41N2412F0xx |
| Led Q.ty (LEDs/M) | 120 |
| Led Type | 2835 |
| Power (W/M) | 18 |
| Voltage (V) | 24 ±3% |
| Current (mA/M) | 750 |
| CRI (Ra) | ≥ 80 |
| Lenght/Reel (M) | 5 |
| Water-proof rating | IP67 |

| | |
|---|---|
| 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 35cm Ø4mm (double ended) |
| Pcb material: | COPPER |
| 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 62778: | Risk Exempt (RG0 group) |

Lumens per meter

| Color Temperature | A41N2412F0xx |
|-------------------|--------------|
| 2700K | 580 lm |
| 3000K | 600 lm |
| 4000K | 700 lm |

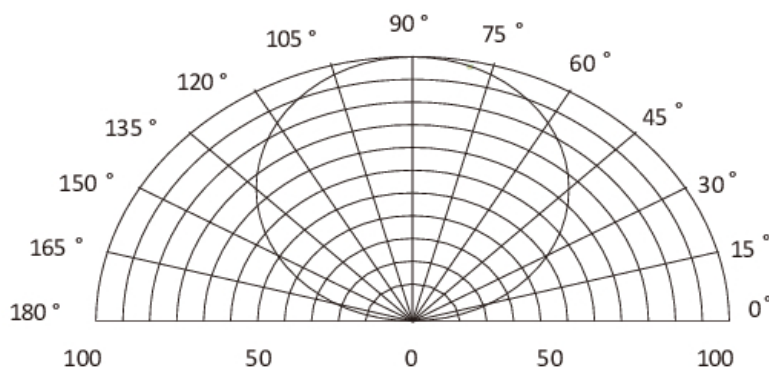
● Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

Efficacy

| Color Temperature | A41N2412F0xx |
|-------------------|--------------|
| 2700K | 32 lmW |
| 3000K | 33 lmW |
| 4000K | 39 lmW |

● Note: “xx”=“27”(2700K)/“30”(3000K)/“40”(4000K)

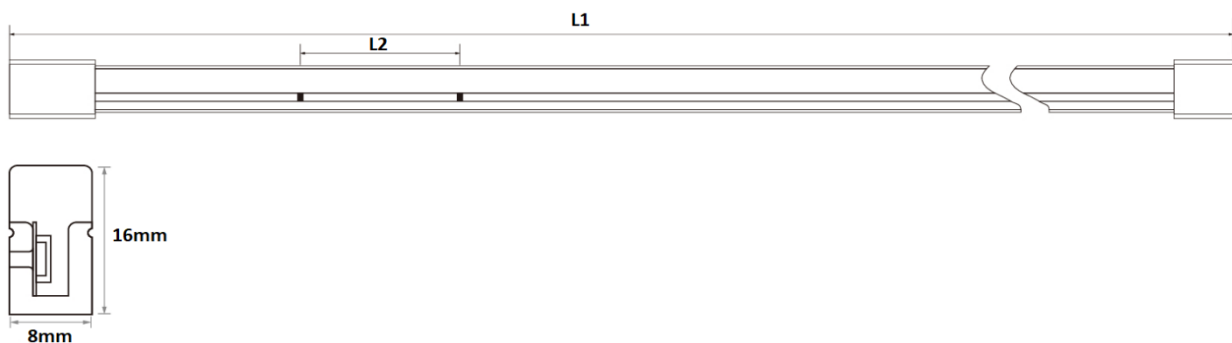
Light distribution



Relative luminous intensity lv %

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 | A41N2412F0xx | Tolerance |
|------------|--------------|-----------|
| L1(mm) | 5050 | ± 10 |
| L2(mm) | 50 | ± 2 |

Weight/5m reel

| | |
|--------------|---------|
| A41N2412F0xx | 965 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.

Accessories

1-A41KITN2412F: 2pcs end cap with hole, 4pcs end cap without hole, 10pcs bracket, 2pcs end cap glue, 2pcs glue tip mouth, 10pcs screw.



End cap with hole

End cap without hole

Bracket

End cap glue

Glue tip mouth

Screw

2-A41FIXN2412F: 1 single bracket



3-BAR0816AL100: 1 meter aluminium profile

