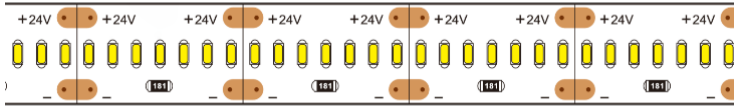


YJ-BC-RB-2110-420-24V

HIGH CRI LED FLEXI STRIP



HIGH CRI LED FLEX STRIP 2110 420LED 24V



FEATURES

- 10mm width flexible PCB with adhesive backing
- 5m length per roll
- 95 CRI, 1800K / 2700K / 3000K / 4000K / 5000K
- 20W/m (6.7W/ft)
- 24V constant voltage compatible
- Cuttable every 7 LEDs (16.66mm)



DESCRIPTION

YUJILEDSD® high CRI LED flexible strips are extremely versatile and can be installed in a variety of linear and curved surfaces alike. Enhanced copper traces with precision SMT resistors provide consistently high power and brightness. 3M® adhesive backing allows for quick installation.

ELECTRICAL-OPTICAL CHARACTERISTICS (TA = 25 °C)

| Parameter | Symbol | Value | | | Unit | Tolerance | Condition |
|---------------------------|--------|-------|------|------|------|-----------|-----------|
| | | Min. | Typ. | Max. | | | |
| Power per metre | - | - | 20 | - | W | - | Vf=24V |
| Forward current per metre | If | - | 833 | - | mA | - | Vf=24V |
| Luminous flux per metre | 1800K | - | 1500 | - | lm | - | Vf=24V |
| | 2700K | - | 1600 | - | | | |
| | 3000K | - | 1700 | - | | | |
| | 4000K | - | 1800 | - | | | |
| | 5000K | - | 1800 | - | | | |
| Colour rendering index | Ra | 95 | - | - | - | - | Vf=24V |
| Viewing angle | 2θ1/2 | - | 120 | - | Deg | ±5 | Vf=24V |

ORDERING INFORMATION

| Part Number | CCT |
|--------------------------|--------|
| YJ-BC-RB-2110-420-24V-18 | 1800K |
| YJ-BC-RB-2110-420-24V-27 | 2700K |
| YJ-BC-RB-2110-420-24V-30 | 3000K |
| YJ-BC-RB-2110-420-24V-40 | 4000K |
| YJ-BC-RB-2110-420-24V-50 | 5000K |
| YJ-BC-RB-2110-420-24V-XX | CUSTOM |

NOTES

Intensities (lv) and colour shades of white (X-Y co-ordinates) may vary between LEDs within a batch. All LED components are supplied in anti-static packaging.

To order please contact us on +44 (0) 1229 582 430
 F +44 (0) 1229 585 155 | E sales@marl.co.uk | www.leds.co.uk
 in company/marl-international-limited



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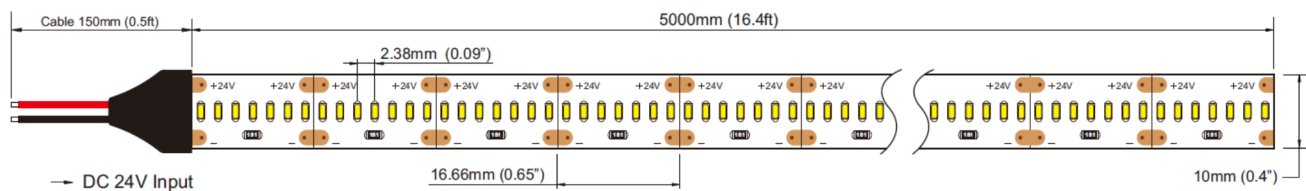
HIGH CRI LED FLEXI STRIP



ABSOLUTE MAXIMUM RATING (TA = 25 °C)

| Parameter | Symbol | Limit | Unit |
|-----------------------|--------|-----------|------|
| Operating Temperature | Topr | -20 ~ +45 | °C |
| Storage Temperature | Tstg | 0 ~ +60 | °C |
| Relative Humidity | RH | 70% | - |

DIMENSIONAL DRAWING



ADDITIONAL NOTES

SELECTING A POWER SUPPLY

The wattage/ampere requirement is directly proportional to the length of LED flexi strip installed. Calculate the power requirement by multiplying the total length in metres by the maximum wattage or ampere per metre. For additional power supply stability, we recommend specifying 20% additional power capacity above the requirement. For example, a 5 metre length would require 5 metres x 20 W / metre = 100W; for power supply stability, we would recommend a power supply that is capable of supplying at least 120W (100W + 20% x 100W).

DIMMING

Our LED flex strips are compatible with 1-10V and PWM dimming systems.

HEAT MANAGEMENT

This high density strip cannot be used in a confined small space or a humid environment. Additional cooling is required. Aluminium channels with high heat conductivity are recommended. Operating temperature should not exceed 45°C.

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