Flex Led Strip - JC-FH-2835

Data Sheet

Benefits

- ✓ Easy to use, plug in and play.
- ✓ Flexible, easy to bend and low profile.
- ✓ One power cord can load max.50 meters, easy to install.
- ✓ Available in various color temperatures.

Applications

- ✓ Home lighting and contour accentuation
- ✓ Decorative applications and corner lighting
- ✓ Shopping malls and leisure places
- ✓ Road and tunnel

Technical Operating Data

Product	Color	Number of LEDs	Voltage [V]	Power [W]	Current [A]	Radiance Angle [°]	Color Temp. [K]	Lum.Flux [lm]
JC-FH-2835CW	white	100	120	7	0.068	120	6000	570
JC-FH-2835NW	white	100	120	7	0.068	120	4000	570
JC-FH-2835WW	white	100	120	7	0.068	120	3000	540
JC-FH-2835WW	white	100	120	7	0.068	120	2700	540

※ All Data are related to the entire module.
※ Due to the special conditions of the manufacturing processes of LED the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.

Technical Features

- ✓ One meter (entire module 100 LEDs) comes with one LED-band
- ✓ Light emission vertical to the mounting surface
- ✓ Dimensions (L x W x H): 1,000 mm x 15 mm x 7.5 mm
- ✓ Length of smallest unit with 50 LED: 500 mm
- ✓ Additional cutting possibilities by using the specified accessories
- ✓ Easy mounting by mounting clip or groove
- ✓ Easy connection with optional connect system
- ✓ Dimmable by pulse width modulation (PWM)
- ✓ Max. 50 meters in series connection
- ✓ Parallel connection is allowed

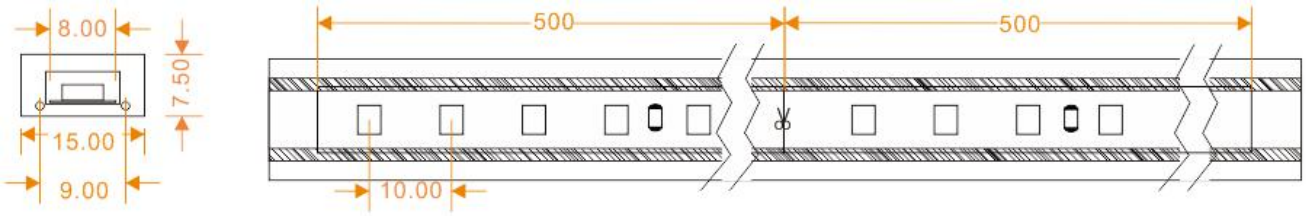
Minimum and Maximum Ratings

Product	Operating Temp. at Tc-Point[°C]	Storage Temp. [°C]	Voltage Range [V dc]
JC-FH-2835CW	-10 ... 50	-20 ... 60	110 ... 130
JC-FH-2835NW	-10 ... 50	-20 ... 60	110 ... 130
JC-FH-2835WW	-10 ... 50	-20 ... 60	110 ... 130

※ Exceeding maximum ratings for operating and storage temperature will reduce expected life time or destroy the LED Module.
※ Exceeding maximum ratings for operating voltage will cause hazardous overload and will likely destroy the LED Module.

Drawings

Unit:mm



Safety Information

- ✓ The LED strip itself and all its components must not be mechanically stressed.
- ✓ Assembly must not damage or destroy conducting paths on the circuit board.
- ✓ In order to drive LED-Modules safely, it is absolutely necessary to operate them with an electronically stablised power supply protecting against short circuits, overload and overheating.
- ✓ Electronic control gear complies to all relevant standards and guarantees safe operation. Only qualified personnel should be allowed to perform installations.
- ✓ Observe correct polarity! Depending on the product incorrect polarity will lead to emission of red or no light. The module can be destroyed! Correct polarity immediately.
- ✓ 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.
- ✓ Please ensure that the power supply is of adequate power to operate the total load.
- ✓ When mounting on metallic or otherwise conductive surfaces, there needs to be a electrical isolation at soldering points between model and the mounting surface.
- ✓ Pay attention to standard ESD precautions when installing the module.
- ✓ It has no conformal coating and therefore offers no inherent protection against corrosion. Damage by corrosion will not be honored as a materials defect claim. All connections must be protected again, if used in humid conditions. It is the user's responsibility to provide suitable protection.

※ **Note:** Typical performance data are subject to change without any further notice, particularly as LED technology evolves.