

Specification Sheet for Constant Current SAMSUNG/OSRAM LED Flexible Strips

Applications:

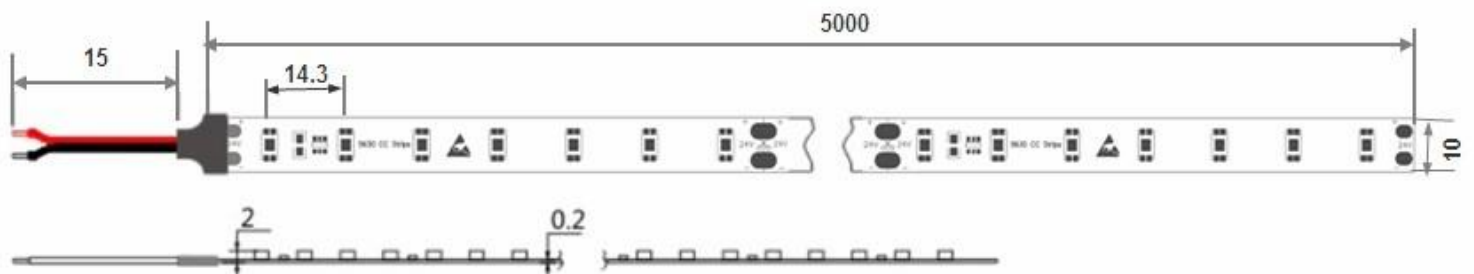
- ◆ Car decoration
- ◆ Architectural decorative lighting
- ◆ Archway, canopy and bridge edge lighting
- ◆ Auditorium walkway lighting
- ◆ Backlighting for signage letters
- ◆ Channel letter lighting



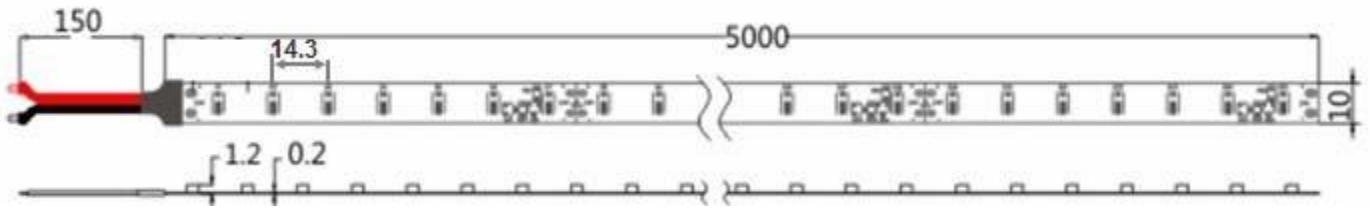
Product features:

- ◆ Constant Current Version
- ◆ For 10m length, no color and brightness difference between the first part and last part.
- ◆ No need of special driver, any DC24 driver that is OK for constant voltage power supply will be OK for QL constant current strips.
- ◆ No need of special controller, normal controller will be OK.
- ◆ It can protect itself as well; when the strip temperature gets up, the current will go down to ensure the safety.
- ◆ 120 degrees
- ◆ With self-adhesive back side, 7LEDs a group for DC24V, 6LEDs a group for DC12V
- ◆ Work Voltage: DC24V
- ◆ UL, CUL, CE, ROHS Approved

Dimensions Drawing of QL-F5630X35-X-24CC-OR and QL-F5630A35-W-24CC-SG2

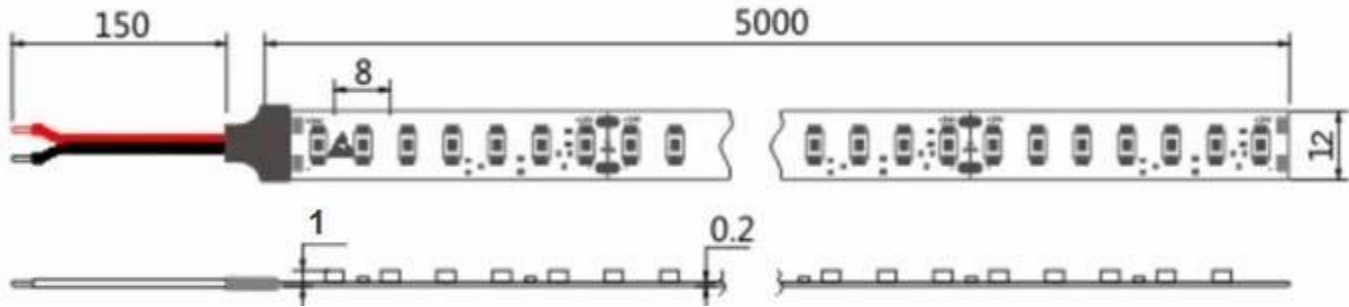


Dimensions Drawing of QL-F5630X35-X-24C-SG2



Unit: mm

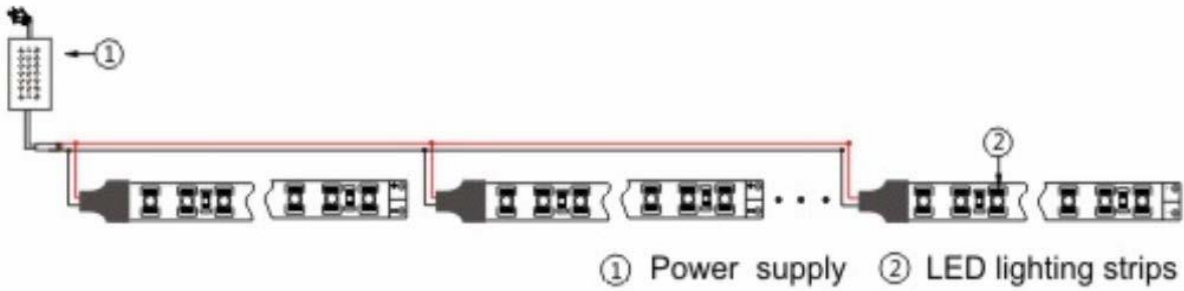
Dimensions of DC24V 126LED/m Version



Specifications

Model No.	LED Type	LED Qty (m)	Work Voltage	Power	PCB Size	Water proof	CRI	Color	λ(Nm)/(CT:K)	Lumen (lm/m)
QL-F5630A35-W-24CC-0R	OSRAM	70	DC24V	15W/m	10mm	IP20	≥80	☐ Warm White	2700-3100K	1700-1800lm
QL-F5630A35-N-24CC-0R								☐ Nature White	4000-4500K	1800-1900lm
QL-F5630A35-P-24CC-0R								☐ Pure White	6000-7000K	1900-2000lm
QL-F5630C35-W-24CC-0R						IP67		☐ Warm White	2700-3100K	1700-1800lm
QL-F5630C35-N-24CC-0R								☐ Nature White	4000-4500K	1800-1900lm
QL-F5630C35-P-24CC-0R								☐ Pure White	6000-7000K	1900-2000lm
Model No.	LED Type	LED Qty (m)	Work Voltage	Power	PCB Size	Water proof	CRI	Color	λ(Nm)/(CT:K)	Lumen (lm/m)
QL-F5630A35-W-24CC-SG2	SAMSUNG G2/LM561B	70	DC24V	15W/m	10mm	IP20	≥80	☐ Warm White	2700-3100K	1700-1800lm
QL-F5630A35-N-24CC-SG2								☐ Nature White	4000-4500K	1800-1900lm
QL-F5630A35-P-24CC-SG2								☐ Pure White	6000-7000K	1900-2000lm
QL-F5630C35-W-24CC-SG2						IP67		☐ Warm White	2700-3100K	1700-1800lm
QL-F5630C35-N-24CC-SG2								☐ Nature White	4000-4500K	1800-1900lm
QL-F5630C35-P-24CC-SG2								☐ Pure White	6000-7000K	1900-2000lm
Model No.	LED Type	LED Qty (m)	Work Voltage	Power	PCB Size	Water proof	CRI	Color	λ(Nm)/(CT:K)	Lumen (lm/m)
QL-F5630X30-W-12C-SG2	SAMSUNG G2/LM561B	60	DC12V	15W/m	10mm	IP20/ IP67	≥80	☐ Warm White	2700-3100K	1400-1500lm
QL-F5630X30-N-12C-SG2								☐ Nature White	4000-4500K	1500-1600lm
QL-F5630X30-P-12C-SG2								☐ Pure White	6000-7000K	1600-1700lm
QL-F5630X35-W-24C-SG2	SAMSUNG G2/LM561B	70	DC24V	15W/m	10mm	IP20/ IP67	≥80	☐ Warm White	2700-3100K	1700-1800lm
QL-F5630X35-N-24C-SG2								☐ Nature White	4000-4500K	1800-1900lm
QL-F5630X35-P-24C-SG2								☐ Pure White	6000-7000K	1900-2000lm
QL-F5630X63-W-24C-SG2	SAMSUNG G2/LM561B	126	DC24V	22W/m	12mm	IP20/ IP67	≥80	☐ Warm White	2700-3100K	2400-2500lm
QL-F5630X63-N-24C-SG2								☐ Nature White	4000-4500K	2500-2600lm
QL-F5630X63-P-24C-SG2								☐ Pure White	6000-7000K	2600-2700lm

Connection drawings



Notice:

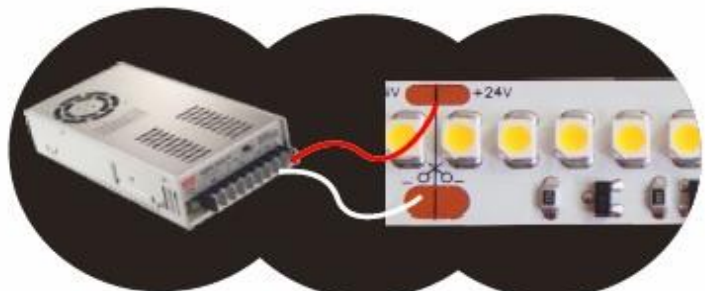
Before Application, please ensure correct input of Positive & Negative Pole, otherwise, the strips will be damaged

Features of Constant Current LED Strips

- 1 With Constant Current IC for each segment; no need of constant current driver. Normal DC24V constant voltage power supply is enough (This IC will convert DC24V to CC for the LED)



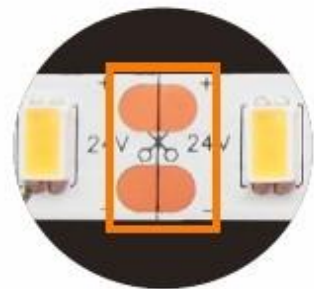
Constant Current IC



DC24V Constant Voltage Power Supply

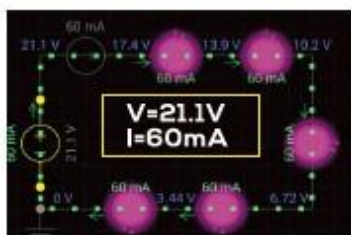
Constant Current Strips

- 2 This Constant current strips is cuttable like the Constant voltage strips.No need to change power supply after cutting



Cutting Line

- 3 It is of same current with DC21V to DC30V input, such voltage drop won't affect the brightness uniform of the strips. (21-30V Input)



4 It is with temperature sensor, when the temperature of the strips gets higher, the current will go down to protect itself and ensure long life span.



54mA Current before heating



34mA Current when temperature get up



54mA Current when temperature get down back

5 Any DC24V Output PWM Control system or dimmer is suitable, such as RF, 0-10V, Dali, DMX512, etc.



DMX



RF



Dali

6 It can be made in 10m continuous length without brightness difference and color difference.

7 We have a full range of constant current strips of different brightness and power for your choice.