



Your signage lighting solution

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Wire size VS Power consumption

In case the power consumption of single module is changed, the quantity of led modules which may be loaded to is also changed.

Size of Master Wire	Maximum Loading (Ampere)	Power Consumption per Module (Watt)	Module Quantity Loaded (piece)	Switch Mode Power Supply Matched (12VDC)
0.75mm ²	3	0.24	150	45
1.0mm ²	4	0.24	200	60
1.5mm ²	6	0.24	300	90
2.5mm ²	10	0.24	500	150
4.0mm ²	16	0.24	800	240
0.75mm ²	3	0.48	75	45
1.0mm ²	4	0.48	100	60
1.5mm ²	6	0.48	150	90
2.5mm ²	10	0.48	250	150
4.0mm ²	16	0.48	400	240
0.75mm ²	3	0.72	50	45
1.0mm ²	4	0.72	67	60
1.5mm ²	6	0.72	100	90
2.5mm ²	10	0.72	167	150
4.0mm ²	16	0.72	267	240

Note:

- 1, Operating voltage of LED modules is 12VDC only.
- 2, The distance between the power supply and the first led module is less than 2 meter.
- 3, Arrange another master wire if one master wire load is over 150Watt.