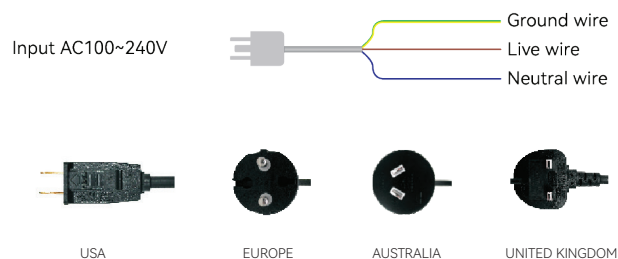


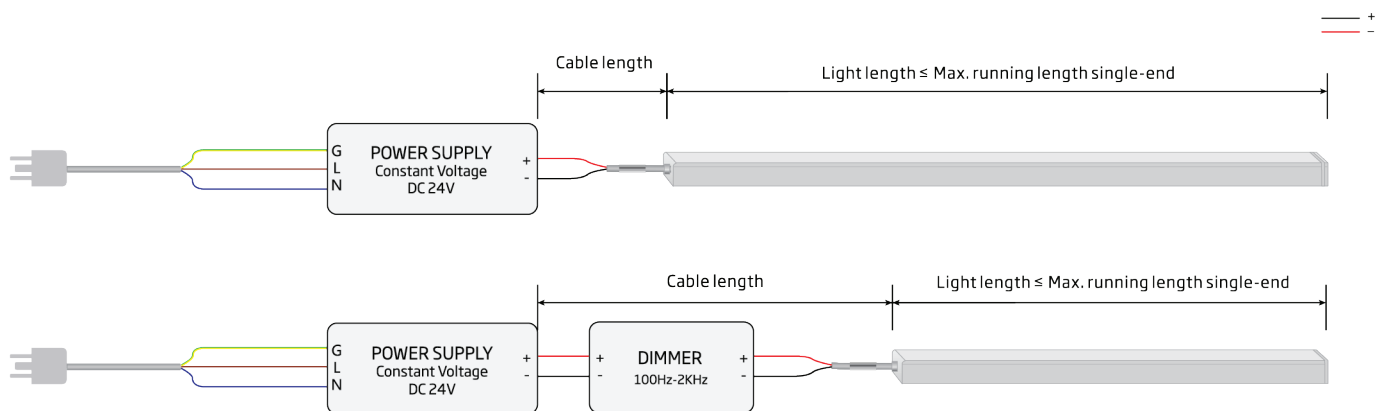
## VIVID BASIC

1. Please use a constant voltage power supply with corresponding output voltage, and rated wattage of the power supply shall be 25% more than the actual power consumption of light to increase its life expectancy;
2. This wiring diagram is using the mains of AC230V with brown and blue wires as an example, and please connect with the corresponding live and neutral wires for other mains electricity; and
3. Dimming frequency ranges from 100Hz to 2000Hz, and 500Hz is recommended.



4. Types of standard plugs available from factory if exit and plug is selected in connectors.

## WIRING – STATIC – SINGLE



### Light Length

The length of the longest single light in parallel connection or sum of lights in series connection.

### Cable Length

The length of an electrical cable between power output end and light input end, and the cables for serial interconnection are inclusive.

### How To Minimize Voltage Drop

1. Please ensure the cable length is not more than the table “Max. Cable Length” according to the half of light length and its wire gauge.
2. Please ensure the light length is less than the table “Max. Running Light Length 1 Connector”.

### Max Running Light Length 1 Connector

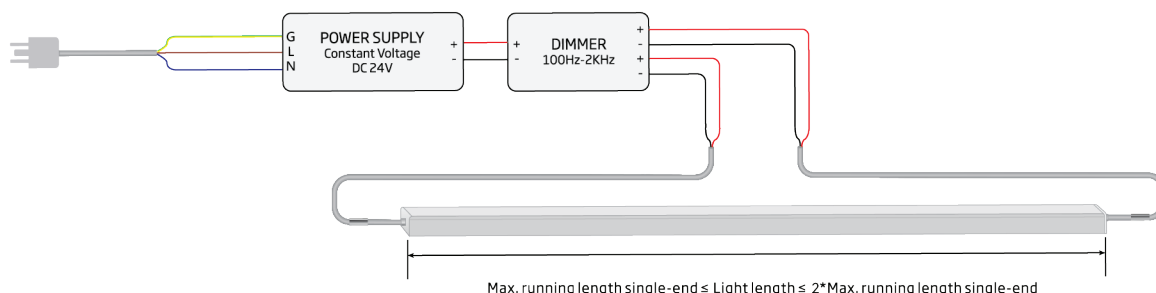
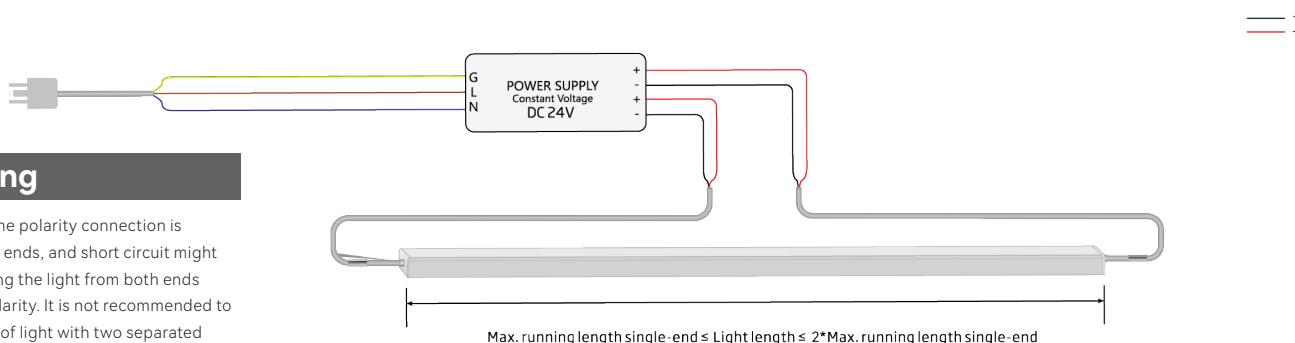
CONNECTOR TYPES	SWIVEL	SNAP	PVC SEAMLESS	PVC SUBMERSIBLE
Wire gauge	22AWG*2	18AWG*2	18AWG*2	18AWG*2
Power 1.06W/ft (3.5W/m)	32.8ft (10m)	65.6ft (20m)	65.6ft (20m)	65.6ft (20m)
Power 1.37W/ft (4.5W/m)	32.8ft (10m)	49.2ft (15m)	49.2ft (15m)	49.2ft (15m)

Note:

1. Above conclusion is based on voltage drop testing result of the light with 0.98ft (0.3m) cable only.
2. The maximum running length is based on a static light in full load.
3. Above running length is only the light length excluding lengths of connectors.
4. The delivered length might be subject to the maximum packing length.

## WIRING – STATIC – DOUBLE

The following wiring diagram with 2 connectors to run length that is longer than max. running length for 1 connector but less than twice the value.



### Light Length

The length of the longest single light in parallel connection or sum of lights in series connection.

### Cable Length

The length of an electrical cable between power output end and light input end, and the cables for serial interconnection are inclusive.

### How To Minimize Voltage Drop

1. It is optimal to position the power supply in the middle of a single light or multiple lines in daisy chain to keep the equivalent cable length on both ends for 2 connectors.
2. Please ensure the cable length is not more than the table "Max. Cable Length" according to the half of light length and its wire gauge.
3. Please ensure the light length is less than the table "Max. Running Light Length 2 Connectors".

### Max Running Light Length 2 Connectors

CONNECTOR TYPES	SWIVEL	SNAP	PVC SEAMLESS	PVC SUBMERSIBLE
Wire gauge	22AWG*2	18AWG*2	18AWG*2	18AWG*2
Power 1.06W/ft (3.5W/m)	65.6ft (20m)	131.2ft (40m)	131.2ft (40m)	131.2ft (40m)
Power 1.37W/ft (4.5W/m)	65.6ft (20m)	98.4ft (30m)	98.4ft (30m)	98.4ft (30m)

Note:

1. Above conclusion is based on voltage drop testing result of the light with 0.98ft (0.3m) cable only.
2. The maximum running length is based on a static light in full load.
3. Above running length is only the light length excluding lengths of connectors.
4. The delivered length might be subject to the maximum packing length.