Litepers

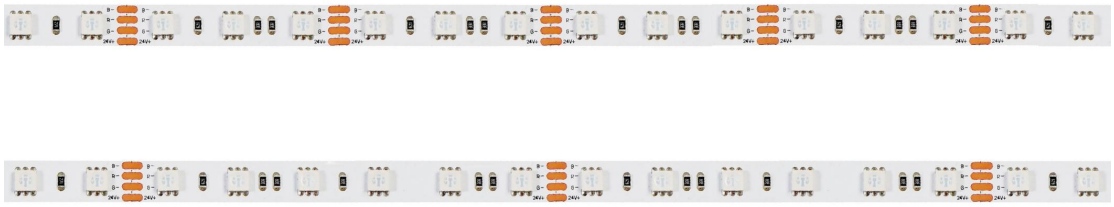
Life Pursues Light, We Persist Lights!

Litepers Technology Co., Ltd
Email:info@litepers.com
www.litepers.com

Product Specification

Series: SMD Series

SKU: LPS-5050RGB-60L





Main Features

① 5050 RGB LED as light source, stable and high brightness.

② Compatible with most of RGB controllers in the markets.

③Ideal for office, residential, retail and industry lighting.

④12V or 24V low voltage input for human safety.

Life Pursues Light, We Persist Lights!

Litepers Technology Co., Ltd
Email:info@litepers.com
www.litepers.com

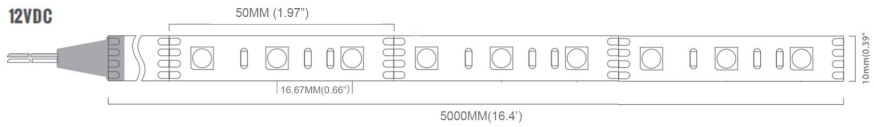
Technical Parameters

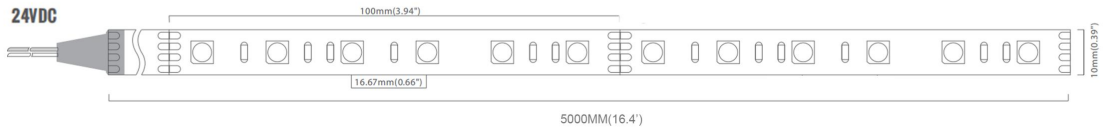
Parameter	Specification	
Light Source	SMD 5050	
Led Quantity	60LED/Meter	
Power	Mix 14.4W/Meter	
Voltage	DC12V	DC24V
Cutting Length	50MM	100MM
Color Temperature	R/G/B/Mix Color	
PCB Size	10MM Width	
IP Rate	IP20 (IP65/ IP67/ IP68 are available)	
Operating Temperature	-20°~50°	
Packing Length	5Meters/Roll	
Color Change	With RGB Controller	

*Above measurements are based on IP20.

*Above measurements of watts, brightness and efficiency allowance tolerance ±10%.

Dimension





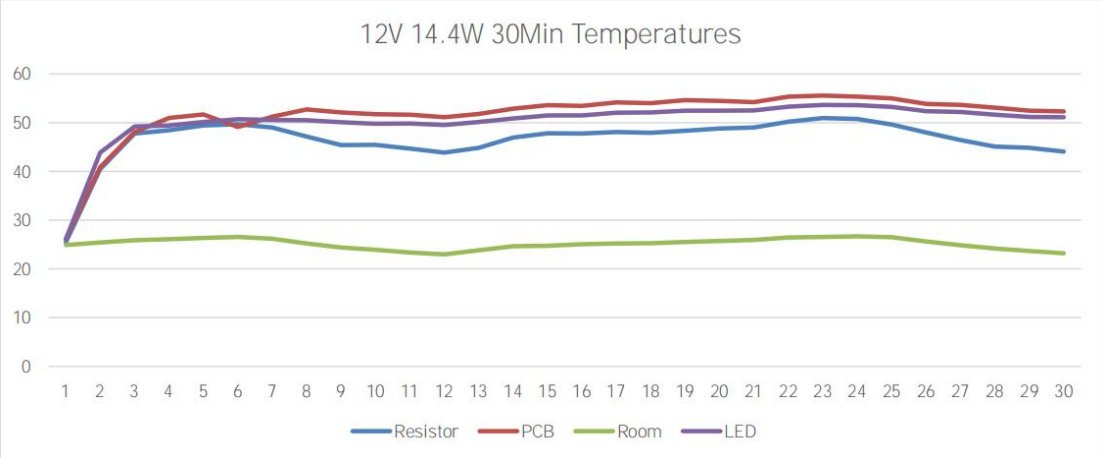
Waterproof IP Rate:

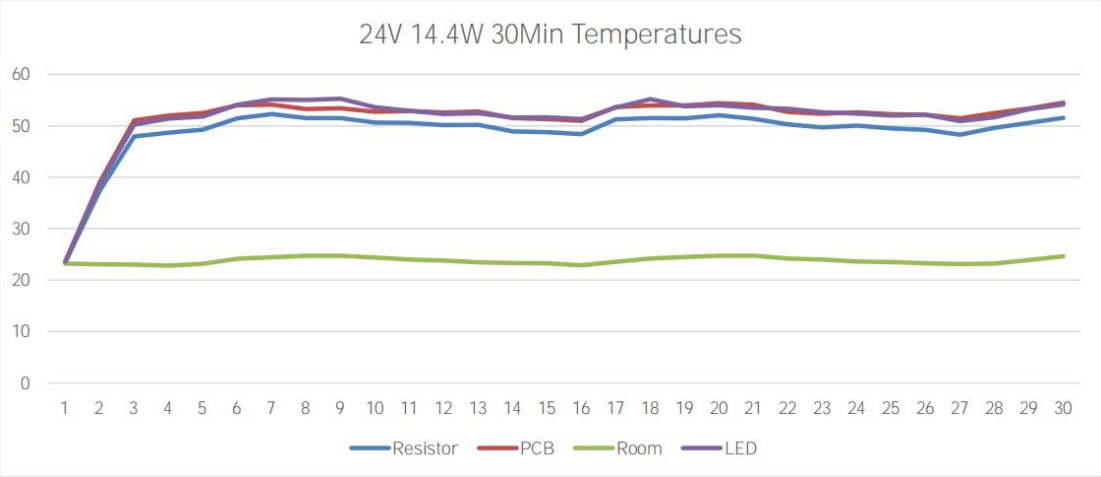
Waterproof Ways	IP Rating	Details
	IP54	PU or Silicone glue on the surface of the led strips.
	IP65	Heat Shrink tube or Silicone tube for led strips.
	IP67	Hollow integrated silicone glue.
	IP68	Solid Integrated Silicone glue, or silicone glue with silicone tube

Litepers Technology Co., Ltd
Email:info@litepers.com
www.litepers.com

Temperature Curve

* The following curve based on 30 min. testing data. The Temp. changes after powering within 30min.
* The x-axis indicates the minutes from 1 minutes to 30 minutes.
* The y-axis indicates the changes of temperatures in Glue, PCB and Room.





Brightness Consistency

* The data shows the the brightness on each meter, and the difference compared to 1st meter.

12VDC Based on 5m Running.

Length	1M	2M	3M	4M	5M
Voltage	10.53	10.03	9.68	9.50	9.45
Lumen	350.18	315.14	291.34	278.58	275.33
Drop	0.00%	-10.01%	-16.80%	-20.45%	-21.37%

24VDC Based on 5m Running.

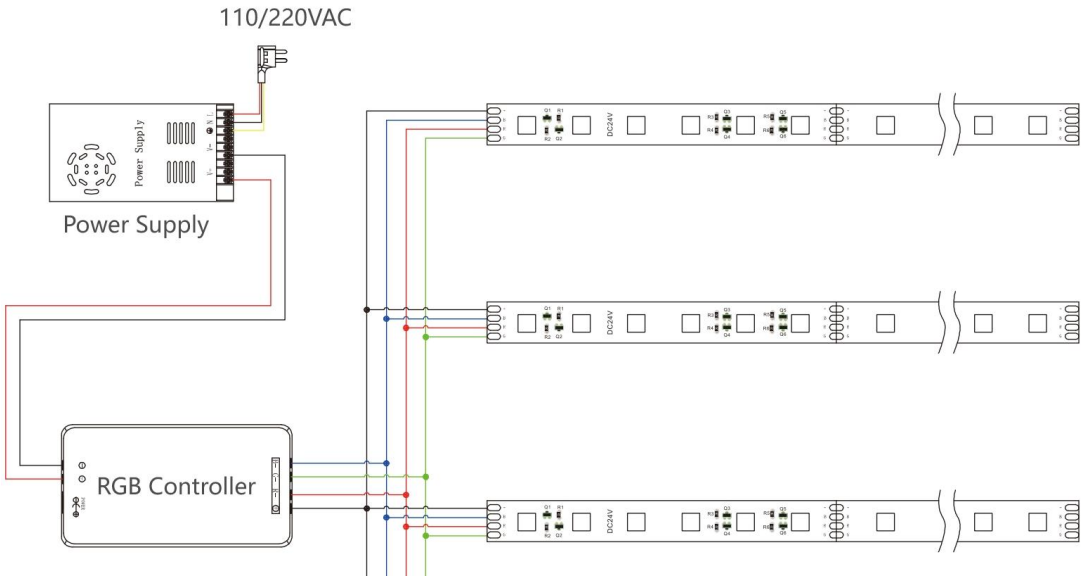
Length	1M	2M	3M	4M	5M
Voltage	23.26	22.81	22.50	22.33	22.29
Lumen	451.06	434.91	423.67	417.45	415.90
Drop	0.00%	-3.58%	-6.07%	-7.45%	-7.79%

Conclusion: From above charts, for better brightness consistency, the recommend length is 5meter with single power input.

Litepers
Life Pursues Light, We Persist Lights!

Litepers Technology Co., Ltd
Email:info@litepers.com
www.litepers.com

Power Connection:



* The max running length is 5 meters, for over 5 meters please connect in parallel.
* Match the polarities according to the mark ('+' and '-') in the PCB while connecting.
* Better use aluminum profiles to help heat dissipation and reach better linear lighting effects.
* Please power the LED strip with correct input voltage, do not use any AC power source directly.
* Make sure of the total watts is less than 80% of the power supply's max output.

Package Details:



Plastic/Paper Roll Plastic/Paper Bag Pack with cartons

Noted: All labels could be customized with your LOGO.

Relative Products:



Led Profile



RGB Remote Controller



Power Supply