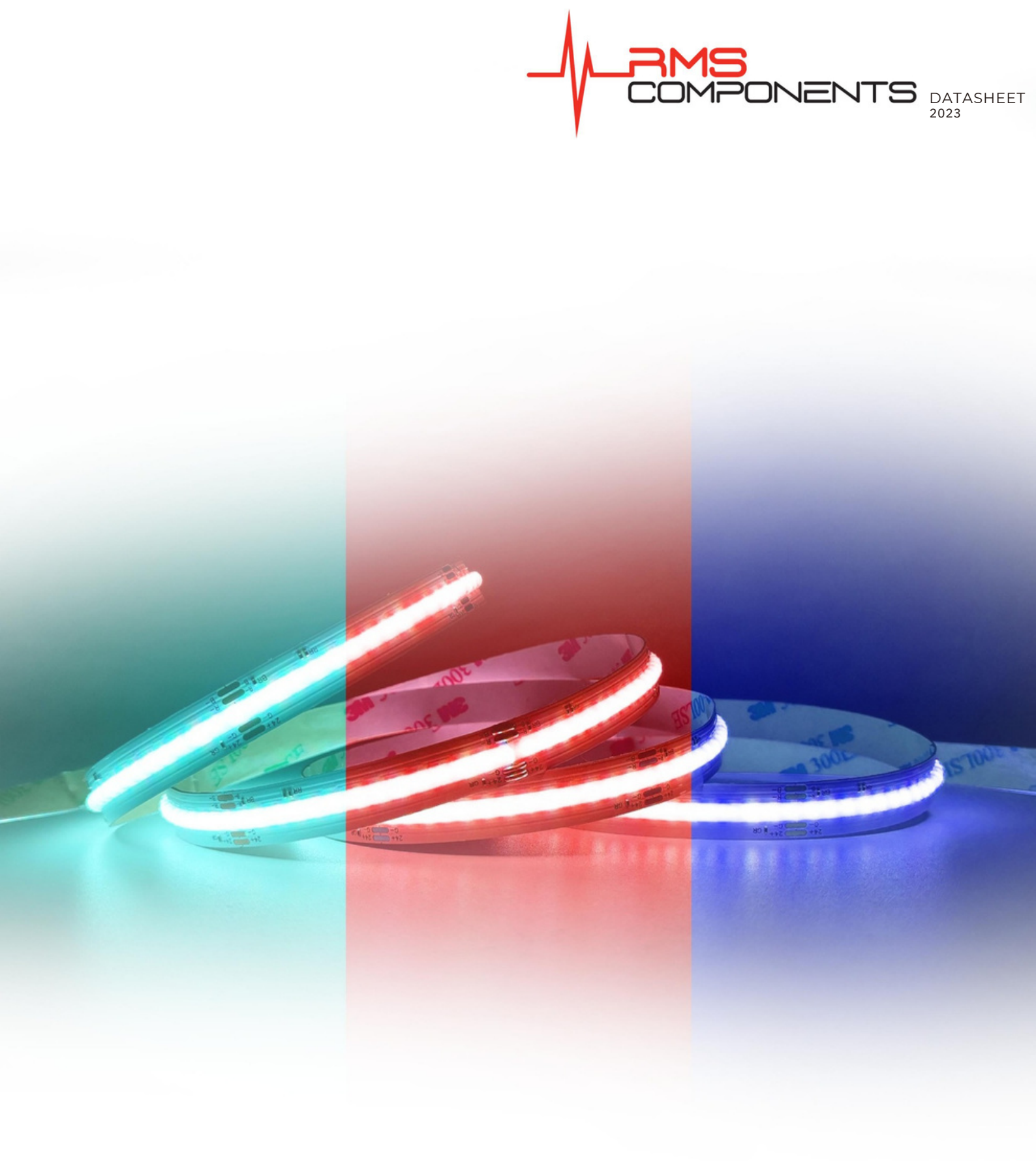
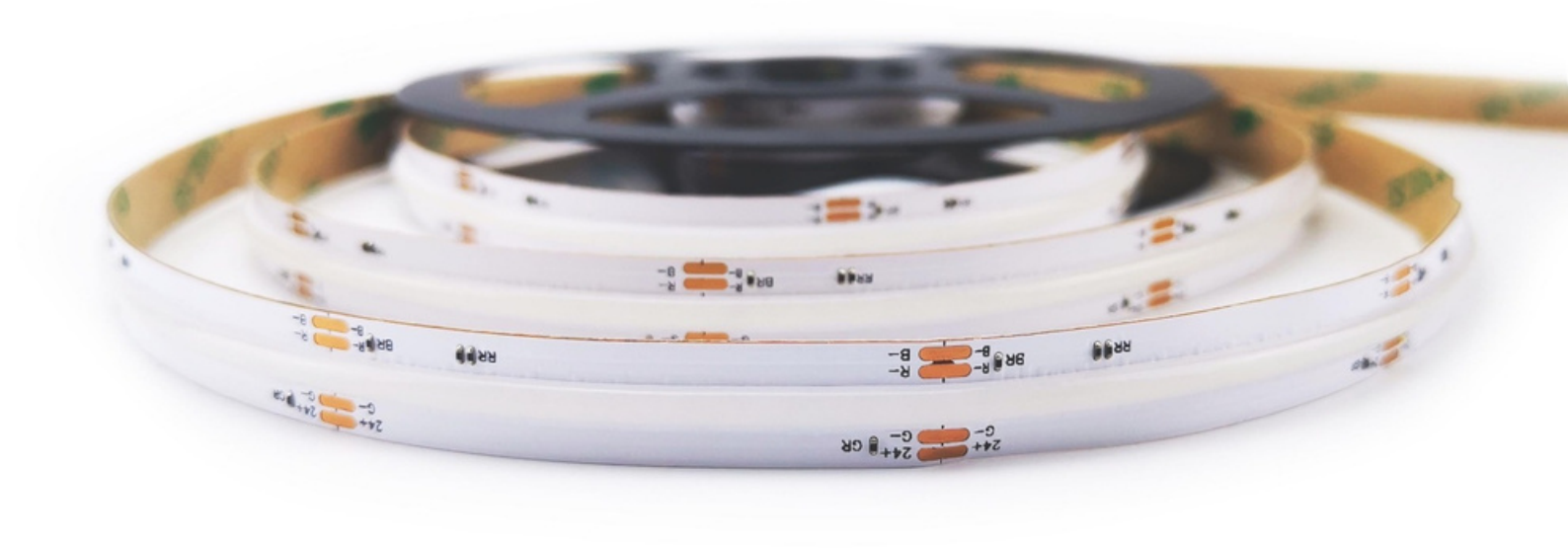
RMS COMPONENTS DATASHEET 2023

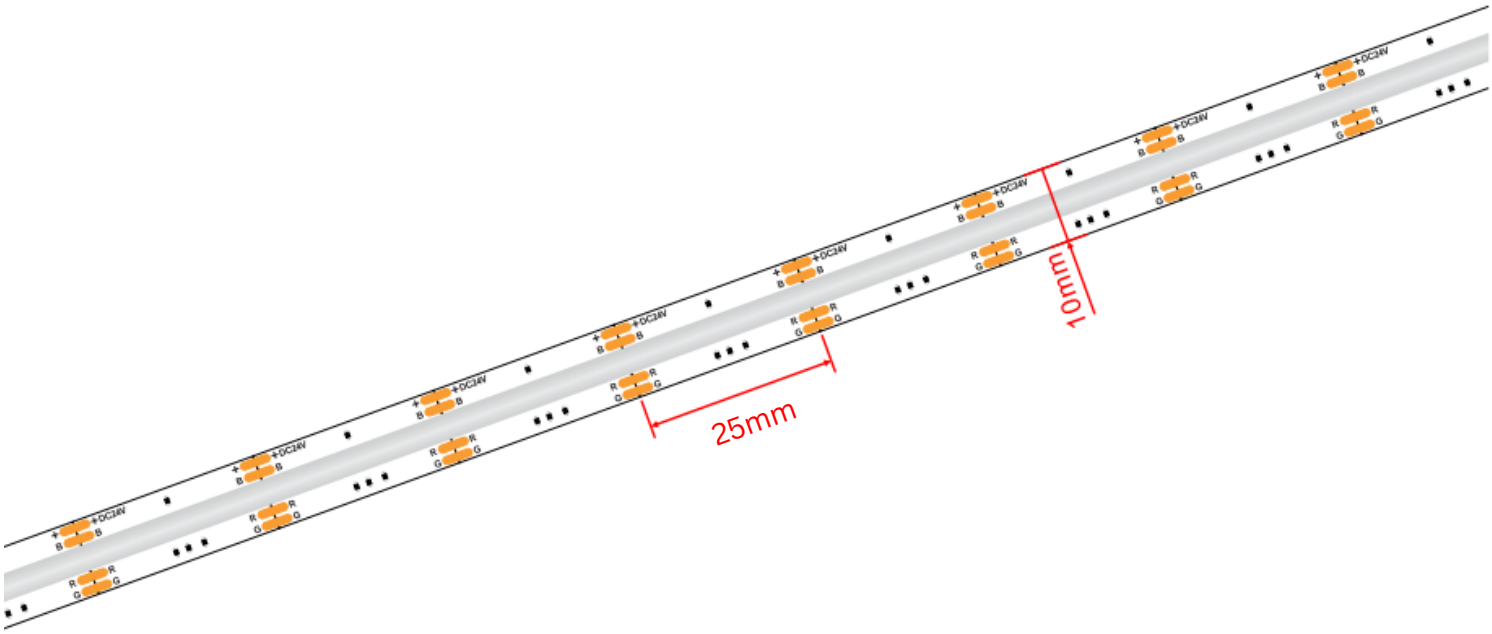


14.4W/m RGB COB

14.4W/m RGB COB 840-Chips/m RGB 24V DC



14.4W/m RGB COB 840-Chips/m RGB 24V DC



This product utilizes the highly sought-after SAN'AN LED CHIP renowned for its superior quality. This variant boasts an exceptional blend of bright illumination and vibrant hues, resulting in remarkable outcomes. To enable more precise cutting, it comes standard 24V DC with only 25mm cutting increments. We also implement bin control for LED color to maintain uniformity across all your orders.

PRODUCT FEATURE & BENEIFTS

- Always using double-layer FPCB, mounted with high quality led Chips
- Low power requirement & Energy Efficient
- High-performance FPCB & LED for extremely long life
- Available in IP20 & IP68 (upon request)
- Great design freedom thanks to flexibility and cuttability of module
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back

14.4W/m RGB COB 840-Chips/m RGB 24V DC

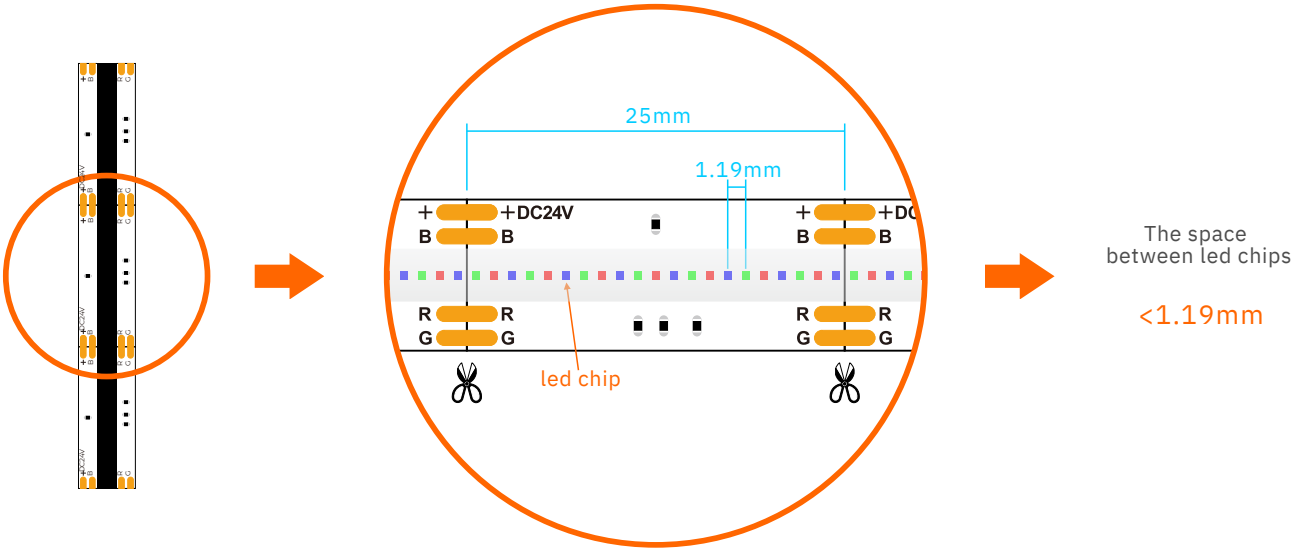
TECHNICAL DATA

LED Brand	SAN'AN LED
Normal Voltage	24V DC
Normal Current per Meter	0.6A/m
Rated Wattage per Meter	14.4W/m
Type of Current	Constant Voltage
Light Color	RGB
Luninous Flux per Meter	696LM
Luminous Efficacy	/
Color Rendering Index / RA	/
Length per Smallest Cutting Unit	25 mm
LED Number per Smallest Cutting Unit	21 LEDs
Length per roll for package	5 meters
Width of Printed Circuit Board	10 mm
Color of Printed Circuit Board	White
Thickness of Printed Circuit Board	2 OZ
Double Side Adhesive Tape	3M
Temperature Range in Operation	-20℃ . . . . 70℃
Temperature Range at Storage	-20℃ . . . . 50℃
Dimmable	Yes
Type of Protection	IP20 & IP68 (Upon request)
Life Span	> 50000 Hours

*Testing environment temperature: 25±2℃
*The actual data of each single product may differ from above typical data which are subject to change without prior notice.

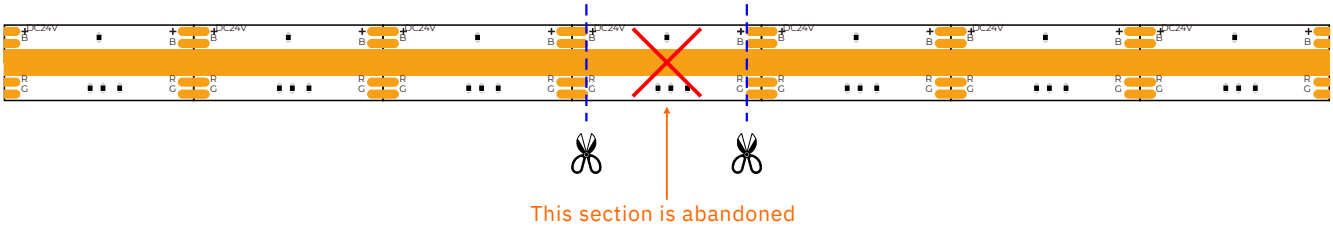
14.4W/m RGB COB 840-Chips/m RGB 24V DC

HOW TO CUT THE STRIP



Typically, LED strips are cut along the designated cut line. However, the COB RGB strip is unique in that it contains an abundance of LED chips per meter, with the distance between each chip being less than 1.19mm. This leaves very little room for precise cutting, and attempting to cut along the designated line may cause the strip to not illuminate correctly.

Therefore, we suggest to cut the strips as demonstrated below.



14.4W/m RGB COB 840-Chips/m RGB 24V DC

INSTALLATION INSTRUCTIONS

1. The mounting surface must be clean, dry and free from dust or grease.
2. Release the LED strip from the package and unreel.
3. Measure and cut the LED strip to the required length (only cut at the cut marks with power OFF).
4. Remove the 3M self-adhesive backing tape from the strip gradually during installation.
DO NOT remove it all at once to avoid the strip becoming entangled and sticking to itself.
5. Stick the LED strip to the mounting surface by pressing on the strip in-between components only.
DO NOT press on the LEDs or other components on the strip.
6. Once the strip is affixed, it is then ready to be wired.

CAUTION - Twisting, pressing on LEDs, over-bending the strip, cutting at non-cut points, incorrectly powering the strip or exposing a standard strip (IP20) to water, particles or direct sunlight will invalidate the warranty.

SAFTY

1. Installation must be in accordance with Australian electrical code regulations.
2. To ensure safety and correct installation, our strips are intended to be installed by a licensed electrician.
3. Only install with a Constant Voltage LED driver.
4. Each maximum run requires a dedicated power feed from the driver.
DO NOT extend beyond the recommended maximum run length.
5. Make sure the appropriate gauge wire is installed between driver, LEDs, and any dimmers. When choosing wire, calculate voltage drop, maximum amperage rating, and the location ratings on the wire. Improper wire selection and installation could overheat wires and cause fire.
6. DO NOT modify product beyond instructions or warranty will be void.

Questions? Please contact us via sales@rmscomponents.com.au