



## SPECIFICATION SHEET

# TAPE-COB-RGBW

### DESCRIPTION

Colorbeam's COB (Chip-on-Board) LED Tape delivers high-performance lighting with superior brightness, efficiency, and flexibility. Its ultra-thin, bendable design provides smooth, uniform lighting for up to 5 meters (16.4 ft), perfect for creative installations.

### KEY FEATURES

- Soft, Uniform Light:** COB technology ensures consistent, smooth illumination with a premium bounding wall for better light uniformity.
- Superior Durability:** Thick copper construction ensures stable voltage and brightness, with a protective structure for enhanced reliability and flexibility.
- Indoor & Outdoor Use:** Available in IP20 and IP67 waterproof options, ideal for versatile indoor and outdoor applications.
- Perfect for designers and architects,** this innovative lighting solution elevates any space with seamless beauty and functionality.



Dimmable Lighting  
0 to 100% flicker free dimming



RGBW



Working Temperature  
-10°C to +40°C



3 Year Limited  
Warranty

### SPECIFICATIONS

<b>Power</b>	18W/m
<b>Input Voltage</b>	24VDC
<b>Chip QTY</b>	840chips/m [256chips/ft]
<b>Chip Current</b>	6mA/chip
<b>Dimensions - IP20</b>	5000 * 12 * 1.5mm [197*0.47*.06]
<b>Dimensions - IP67</b>	5000 * 14 * 1.5mm [197*0.55*.06]
<b>Color Temperature</b>	RGBW
<b>CRI:</b>	W: Ra≥90
<b>Beam Angle</b>	150°
<b>Standard Length:</b>	5m [16.4 FT] (power fed on one side)
<b>Light Source</b>	COB (Chip On Board)
<b>Warranty:</b>	3 years
<b>Certificate:</b>	CE, RoHS, UL Listed

MODEL CODES	DESCRIPTION
TAPE-COB-RGBW-IP20	RGBW COB Tape, RGB(300K), 18W/m 24V, 608 pcs/M, 14W/M, 5M/roll, IP20
TAPE-COB-RGBW-IP67	RGBW COB Tape, RGB(300K), 18W/m, 24V, 608 pcs/M, 14W/M, 5M/roll, IP67



### COLOR TEMPERATURE

RGBW



### TYPICAL APPLICATIONS

- ✓ Accent lighting
- ✓ Decorative lighting
- ✓ Architectural lighting



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## Luminous Flux Specification

Part Number	Dimensions (L*W*H)	Luminous Flux: $\pm 10\%$ (Mix)	Luminous Flux $\pm 10\%$ (Red)	Luminous Flux $\pm 10\%$ (Green)	Luminous Flux $\pm 10\%$ (Blue)	Luminous Flux $\pm 10\%$ (4000K)
TAPE-COB-RGBW-IP20	5000*12*1.5mm [197*0.47*.06]	850Lm/M [259Lm/ft]	120Lm/M [37Lm/ft]	330Lm/M [101Lm/ft]	60Lm/M [18Lm/ft]	340Lm/M [104Lm/ft]
TAPE-COB-RGBW-IP65	5000*14*4mm [197*0.55*0.16]	808Lm/M [246Lm/ft]	114Lm/M [35Lm/ft]	314Lm/M [96Lm/ft]	57Lm/M [17Lm/ft]	323Lm/M [98Lm/ft]

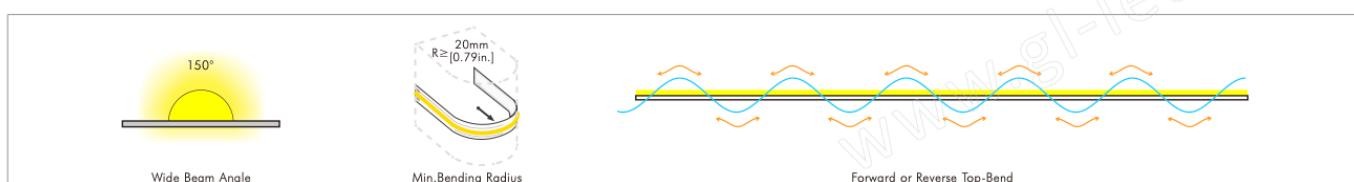
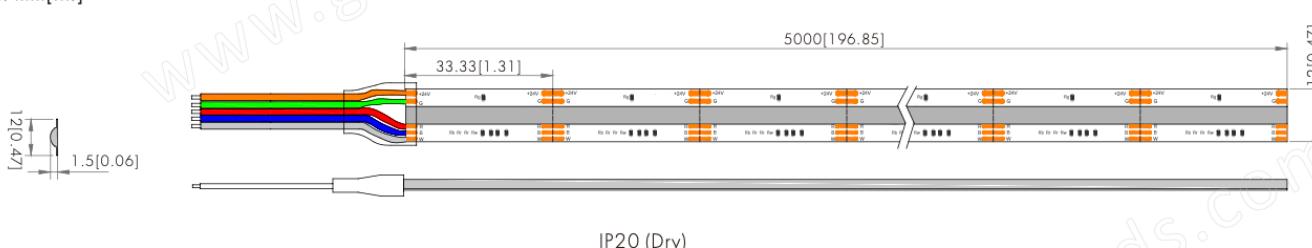
## Power & Brightness vs Length Characteristics

Length Of Single Product	1m [3.28FT]	2m [6.56FT]	3m [9.48FT]	4m [13.1FT]	5m [16.4FT]
Actual Measured Power	17.7W	34.6W	49.4W	60W	69.8W
Power Maintenance Rate	100%	97.7%	93%	84.7%	78.9%
Brightness Maintenance Rate	94.7%	92.9%	88.5%	81%	71.8%

## Picture & Diagram



Unit: mm[in.]

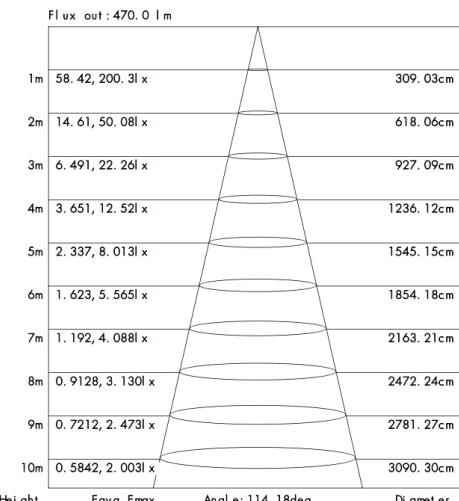
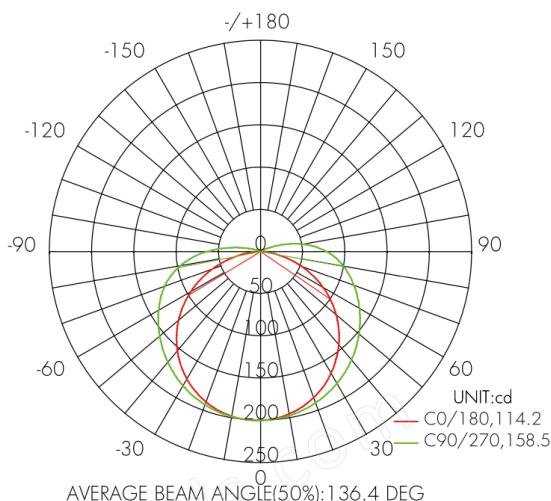


[www.colorbeamlighting.com](http://www.colorbeamlighting.com)



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## Light Distribution Diagram



**RGBW(3000K) , IP20 (dry)**

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