



## SPECIFICATION SHEET

# TAPE-COB-BI-WHITE

## 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



Tunable Lighting



Working Temperature



3 Year Limited Warranty

## SPECIFICATIONS

<b>Power</b>	14W/m
<b>Input Voltage</b>	24VDC
<b>Chip Qty</b>	608chips/m [185chips/ft]
<b>Chip Current</b>	8mA/chip
<b>Dimensions - IP20</b>	5000 * 10 * 2.3mm [197*0.39*.09in.]
<b>Dimensions - IP67</b>	5000 * 12 * 4mm [197* 0.47 * 0.16in.]
<b>Color Temperature</b>	2200K-6500K
<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-BI22-65K-IP20	Tunable White COB Tape, 2200-6500K, 18W/m, 24V, 608 pcs/M, 14W/M, 5M/roll, IP20
TAPE-COB-BI22-65K-IP67	Tunable White COB Tape, 2200-6500K, 18W/m, 24V, 608 pcs/M, 14W/M, 5M/roll, IP67



## COLOR TEMPERATURE

2200K      6500K



## TYPICAL APPLICATIONS

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



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**TAPE-COB-BI-WHITE**

## Luminous Flux Specification

Part Number	Dimensions (L*W*H)	Luminous Flux: ±10% (Mix)	Light Efficiency	Luminous Flux ±10% (2200K)	Light Efficiency (2200K)	Luminous Flux ±10% (6500K)	Light Efficiency (6500K)
TAPE-COB-BI22-65K-IP20	5000*10*2.3mm [197*0.39*0.09]	1260Lm/M [384Lm/ft]	90lm/W	491Lm/M [149Lm/ft]	70m/M	714Lm/M [218Lm/ft]	102lm/W
TAPE-COB-BI22-65K-IP67	5000*12*4mm [197*0.47*0.16]	1197Lm/M [365Lm/ft]	86m/M	466Lm/M [142Lm/ft]	67Lm/M [17Lm/ft]	679Lm/M [207Lm/ft]	97lm/W

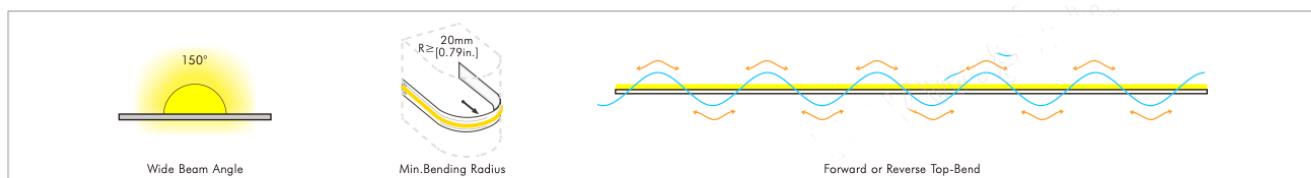
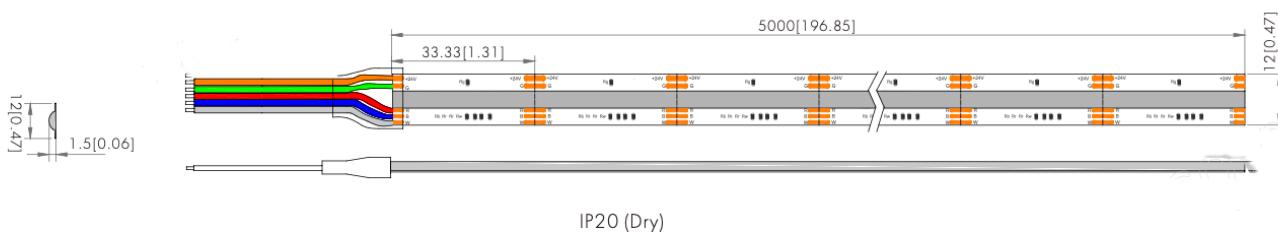
### Power & Brightness vs Length Characteristics

Length Of Single Product	1m [3.28FT]	2m [6.56FT]	3m [9.48FT]	4m [13.1FT]	5m [16.4FT]
Actual Measured Power	14.8W	27.8W	38.6W	46.7W	53.2W
Power Maintenance Rate	100%	93.9%	86.9%	78.9%	71.9%
Brightness Maintenance Rate	93.2%	88.6%	78.5%	69%	57.2%

## Picture & Diagram



Unit: mm[in.]



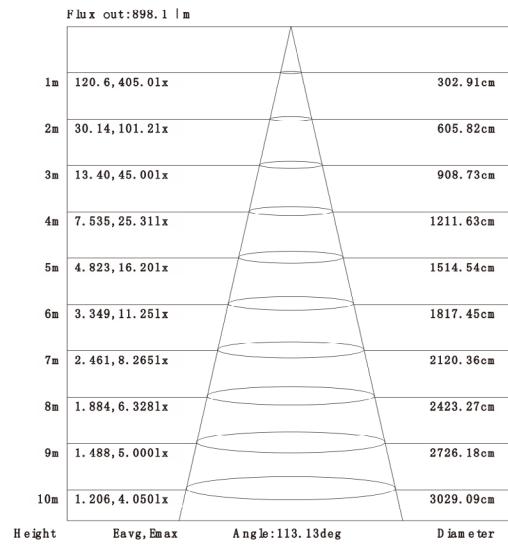
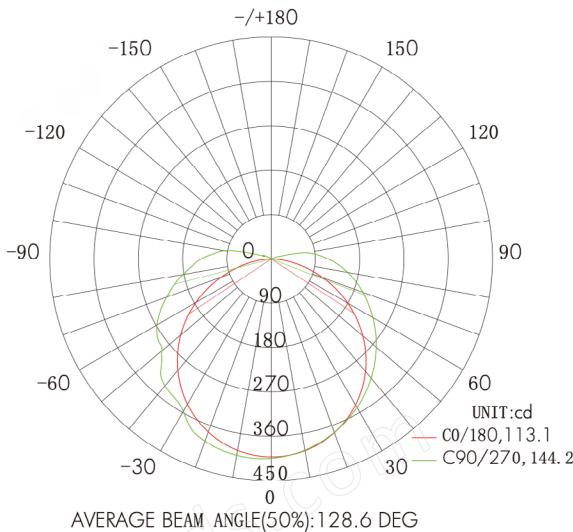
[www.colorbeamlighting.com](http://www.colorbeamlighting.com)



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## Light Distribution Diagram



**2200+6500K, IP20 (dry)**

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