COLORBEAM

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.

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-IP65	RGBW COB Tape, RGB(300K), 18W/m, 24V, 608 pcs/M, 14W/M, 5M/roll, IP67

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 IP65` 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.

DL Dimmable Lighting
0 to 100% flicker free dimming

RGBW RGBW

-10°C +40°C Working Temperature

3 YEAR WARRANTY 3 Year Limited Warranty

SPECIFICATIONS

Power	18W/m
Input Voltage	24VDC
Chip QTY	840chips/m [256chips/ft]
Chip Current	6mA/chip
Dimensions - IP20	5000 * 12 * 1.5mm [197*0.47*.06]
Dimensions - IP65	5000 * 14 * 1.5mm [197*0.55*.06]
Color Temperature	RGBW
CRI:	W: Ra≥90
Beam Angle	150°
Standard Length:	5m [16.4 FT] (power fed on one side)
Light Source	COB (Chip On Board)
Warranty:	3 years
Certificate:	CE, RoHS, UL Listed

COLOR TEMPERATURE

RGBW

TYPICAL APPLICATIONS

✓ Accent lighting
✓ Decorative lighting
✓ Architectural lighting

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April 22, 2025 12:50 PM

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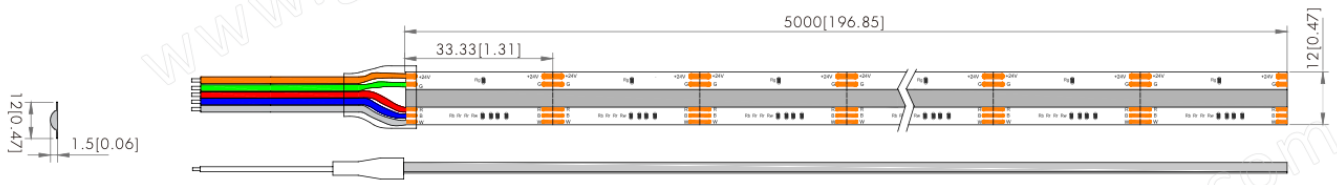
Luminous Flux Specification

Part Number	Dimensions (L*W*H)	Luminous Flux: ±10%(Mix)	Luminous Flux ±10% (Red)	Luminous Flux ±10% (Green)	Luminous: Flux±10% (Blue)	Luminous Flux ±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]

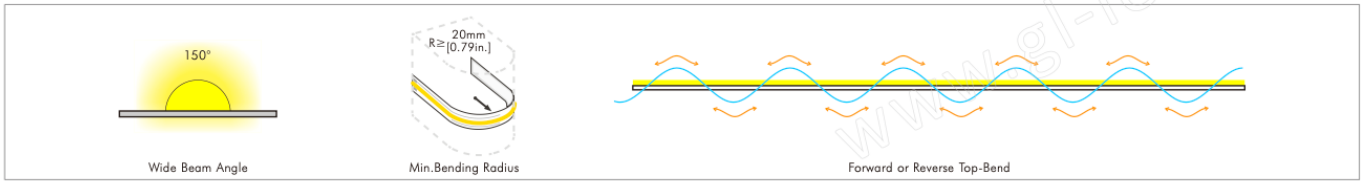
Power & Brightness vs Length Characteristics					
Length Of Single Product	1m [3.28FT]	2m [6.56FT]	3m [9.48T]	4m [13.1FT]	5m [16.4FT]
Actual Measured Power	17.7W	34.6W	49.4W	60W	69.8W
Power Maintenance Rate	100%	97.7%	93%	84.7%	78.9%
Brightness Maintenance Rate	94.7%	92.9%	88.5%	81%	71.8%

Picture & Diagram

Unit: mm[in.]



IP20 (Dry)



www.glled.com
www.gl-leds.com

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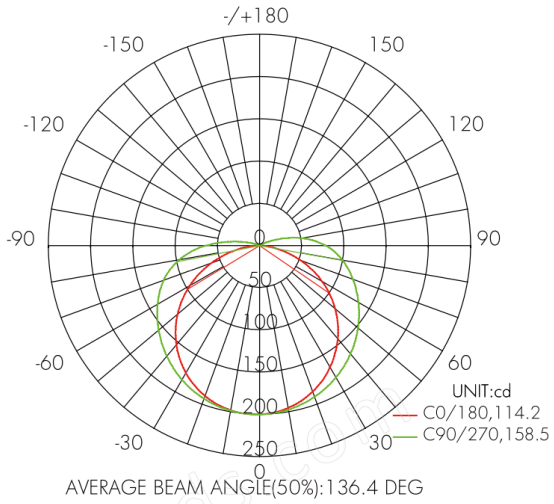
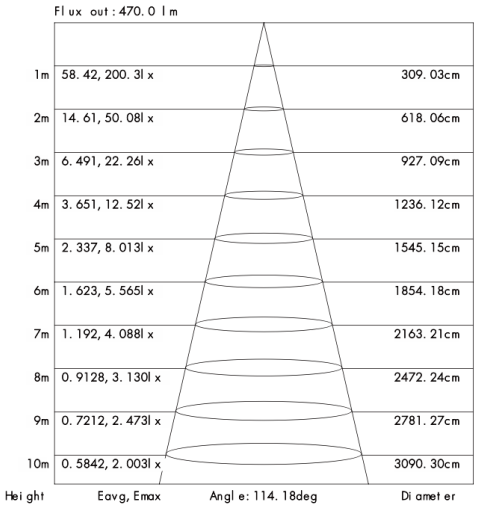
Light Distribution Diagram



AVERAGE BEAM ANGLE(50%):136.4 DEG



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

RGBW(3000K) , IP20 (dry)

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