COLORBEAM

SPECIFICATION SHEET

TAPE-COB-480-W

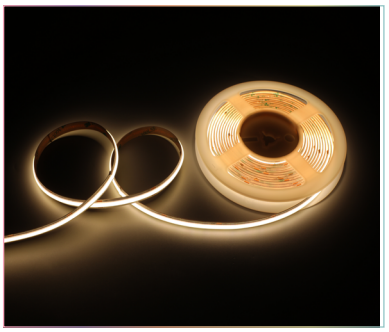
DESCRIPTION

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 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.

MODEL CODES	DESCRIPTION
TAPE-COB-W27K-IP20	White COB Tape, 2700K, 12W/m, 24V, 480 chips/m, 14W/M, 5M/roll, IP20
TAPE-COB-W27K-IP65	White COB Tape, 2700K, 12W/m, 24V, 480 chips/m, 14W/M, 5M/roll, IP65
TAPE-COB-W30K-IP20	White COB Tape, 3000K, 12W/m, 24V, 480 chips/m, 14W/M, 5M/roll, IP20
TAPE-COB-W30K-IP65	White COB Tape, 3000K, 12W/m, 24V, 480 chips/m, 14W/M, 5M/roll, IP65
TAPE-COB-W40K-IP20	White COB Tape, 3000K, 12W/m, 24V, 480 chips/m, 14W/M, 5M/roll, IP20
TAPE-COB-W40K-IP65	White COB Tape, 3000K, 12W/m, 24V, 608 pcs/m, 14W/M, 5M/roll, IP65



DL Dimmable Lighting
0 to 100% flicker free dimming

-10°C +40°C Working Temperature

3 YEAR WARRANTY 3 Year Limited Warranty

SPECIFICATIONS

Power	12W/m
Input Voltage	24VDC
Chip QTY	480chips/m [146chips/ft]
Chip Current	8mA/chip
Dimensions - IP20	5000 * 10 * 2.3mm [197*0.39*.09in]
Dimensions - IP65	5000*10*4mm [197*0.39*0.16in.]
Color Temperature	2700K| 3000K | 4000K
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

2700K 3000K 4000K

TYPICAL APPLICATIONS

✓ Accent lighting
✓ Decorative lighting
✓ Architectural lighting

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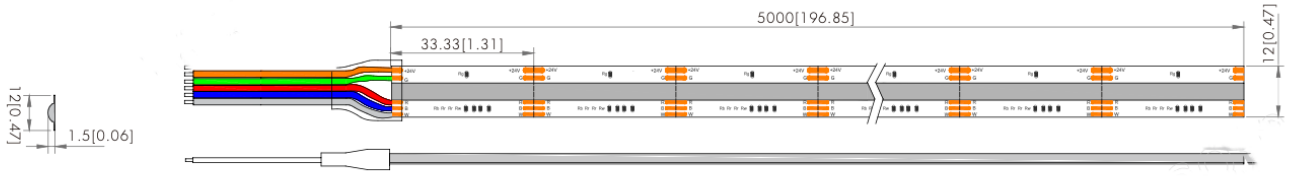
Luminous Flux Specification

Part Number	Dimensions (L*W*H)	Luminous Flux±10% (2700K)	Light Efficiency (2700K)	Luminous Flux±10% (3000K)	Light Efficiency (3000K)	Luminous Flux±10% (4000K)	Light Efficiency (4000K)
TAPE-COB-480-W30K-IP20	5000*10*2.3mm [197*0.39*0.09]	1164Lm/m [335Lm/ft]	97lm/w	1176Lm/M [359Lm/ft]	98lm/w	1320lm/m [402lm/ft]	110lm/w
TAPE-COB-480-W30K-IP65	5000*12*4mm [197*0.47*0.16]	1104lm/m [337lm/ft]	92lm/w	1116Lm/M [340Lm/ft]	93m/w	1260lm/m [384/ft]	105lm/w

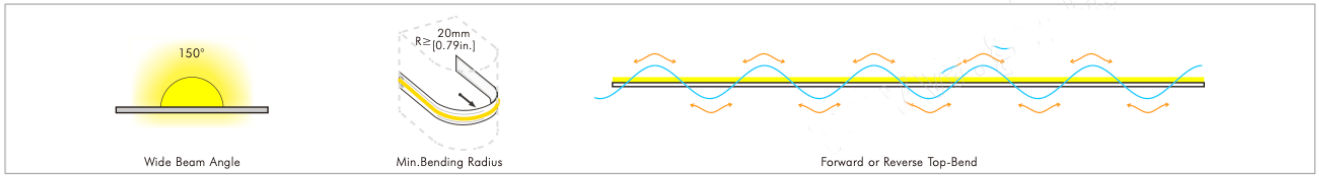
Power & Brightness vs Length Characteristics					
Length Of Single Product	1m [3.28FT]	2m [6.56FT]	3m [9.48T]	4m [13.1FT]	5m [16.4FT]
Actual Measured Power	12.2W	23.8W	34.1W	42.3W	49.1W
Power Maintenance Rate	100%	97.5%	93.2%	86.7%	80.5%
Brightness Maintenance Rate	100%	95.3%	91.8%	87.9%	80.6%

Picture & Diagram

Unit: mm[in.]



IP20 (Dry)



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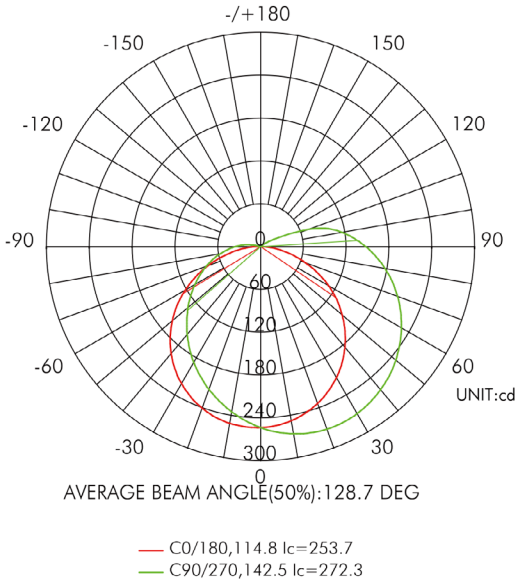
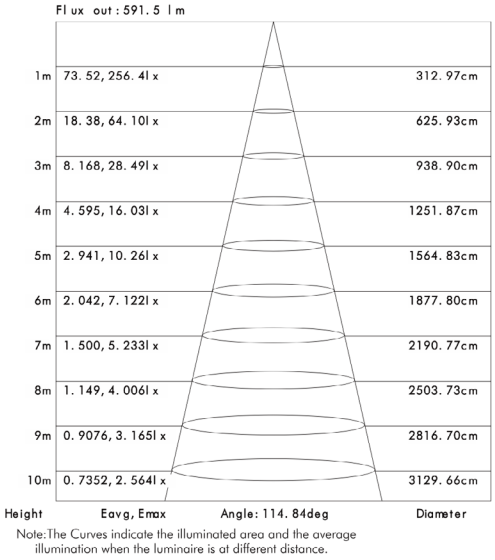
Light Distribution Diagram





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

3000K, IP20 (dry)

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