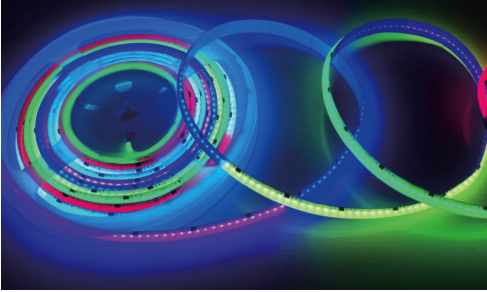


# High-Density COB 420D Addressable RGBW LED Strip



## HB-COB-420D RGB IC



### Key Features

- Addressable RGB COB LED strip with WS2811F IC, allowing individual LED control for dynamic lighting effects
- High-density COB design (420 LEDs/m) delivers smooth, dot-free and uniform illumination
- 24V DC low-voltage operation for safe and stable performance
- Wide 180° beam angle for even light distribution
- High CRI >90, ensuring vivid and accurate color rendering
- High output brightness delivering approximately 900–1000 lm/m
- Cuttable and joinable design for flexible installation and custom layouts
- PWM dimming supported via compatible addressable controllers
- Built on premium 10 mm heat-resistant PCB for improved thermal management and durability

Specifications	
Models	HB-COB-420D RGB IC
Product Size(mm)	5000 x 10 x 2 mm( L x W x H)
LED Type	COB
Color Temperature*	RGB (Addressable)
Lumen/Meter	900–1000 (RGB mixed, color dependent)
Input Voltage*	24V DC
Current (Amps/meter)	0.50
Min Cuttable Length(mm)	100
Max Power Consumption (Watt/m)	12Watt
IC Type	WS2811F
CRI	not applicable
Dimming	Via WS2811 IC(PWM dimming supported)
Beam Angle	180°
LED Quantity(per meter)	420Pcs
Net Weight(kg)	0.2
Operating Temperature	-20°C to +50°C
Storage Temperature	-30°C to +80°C
IP Rate	Available in IP20 / IP67 silicone-tube versions for indoor or outdoor use.
Estimated Life(Hours)	30,000
Certification	cETLus
Warranty	3-year

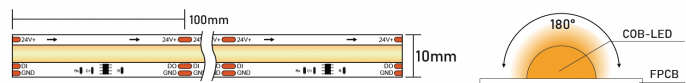
\* Due to continuous improvements and innovations, specifications may change without notice

### Application:

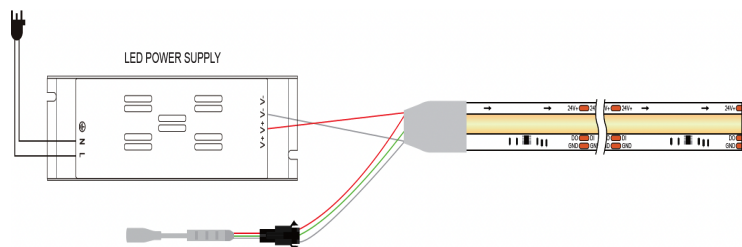
- Architectural and cove accent lighting
- Dynamic RGB lighting for ceilings and walls
- Signage, lettering, and logo backlighting
- Retail and commercial displays
- Hospitality lighting for hotels, restaurants, and bars
- Stage, event, and decorative lighting
- Outdoor feature lighting (IP67 version)



### Dimensions



### Wire Connection:



### Ordering Guide

Series	LED Type	Type	Size(Meter)
HB	LED Strip Light	COB-420D RGB	IC
			5