

Rayveo™ Collection

COB LED Tape & Strip Light Specification Sheet



KEY HIGHLIGHTS

Compared with traditional LED strips, the COB (Chip-on-Board) LED Strip has perfect continuous light and no dark spots with a ultra high-density LED layout, delivering a smooth, glare-free light output. It works perfectly without the need for an extrusion or cover. It's ideal for both commercial and residential applications, including cove lighting, accent lighting, and architectural lighting.

SPECIFICATIONS

- 24VDC and 12VDC. 5VDC optional.
- 2700K, 3000K, 4000K, and 6500K color temps.
- Maximum run on a given lead is 5 meters (16' -4") @12V and 10 meters (32'-8") @24V.
- IP20, IP67.
- 320/360/420/480/528 LEDs per meter.
- Cuttable every 25mm (12V) or 50mm (24V) .
- Custom lengths available - factory customization.
- Compatible with solder-free connectors.
- Premium diodes 120° viewing angle.
- Dimmable.
- 3M adhesive back.
- 90+ CRI.
- Up to 680/780/960/1140 lumens per meter.



FEATURES

- ETL, CE, RoHS, CCC certified.
- CA Title 24: Compliant with approved drivers; consult factory for details.
- Operating Temperature: -20°C to 50°C (-4°F to 122°F)
- Storage Space Ready: Complies with NEC (NFPA 70) 410.16 requirements for closet installations.



WARRANTY

- 5-year coverage guaranteed when utilized with luzumi led approved power supply.

Note: The Warranty Period begins on the date of original shipment from our factory, the warranty covers product only and does not cover any labor or incidental charges related to service or warranty. This Warranty applies only to the original purchasers or authorized distributors.

HOW TO ORDER

Example: FR8WC0BW27K320WH8I12

Name	Wattage/m	LED Type	Color Temp	LEDs/m	FPC Color	FPC Width(mm)	IP Rate	Voltage
FR	8W	COB	W27K	320	WH	8	I (IP20)	12
	12W		W30K	360	BL	10	B (IP67)	24
			N40K	420				5
			C65K	480				
					528			

HIGHLY RECOMMENDED EASY TO USE CONNECTORS

Part No.	Descriptions
CSS-XB2T-50	luzumi led solder-free tape to power connector
CSS-BXB2T-50	luzumi led solder-free tape to tape connector
CSS-BB2T	luzumi led tape to tape connector(no wire)
CSS-BB2T-L	luzumi led 90° Corner Connector

5-Step System Builder:

- Component 1: LED Tape & Strip Light
- Component 2: Connection Hardware
- Component 3: Aluminum Channels & Lenses (Optional)
- Component 4: Dimmers/Controllers(Optional)
- Component 5: Power Supplies

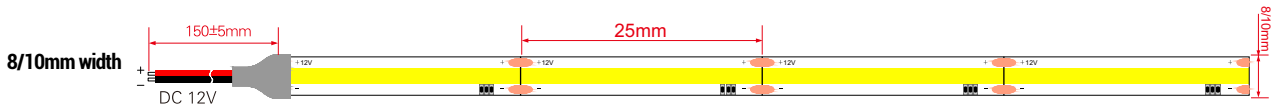
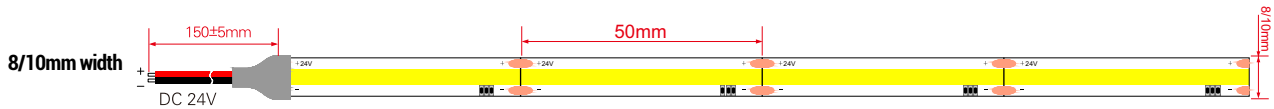
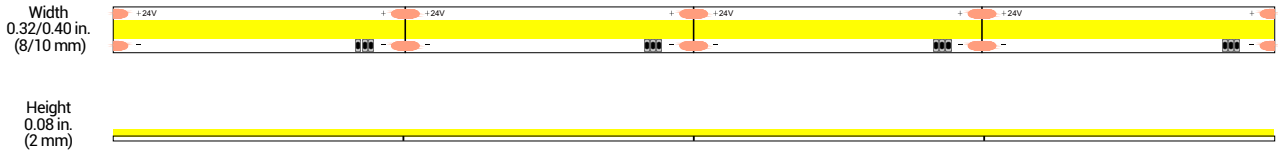
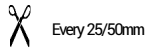


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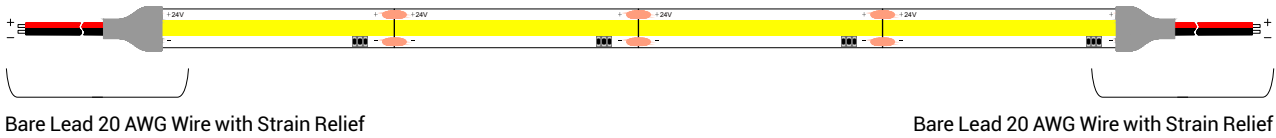
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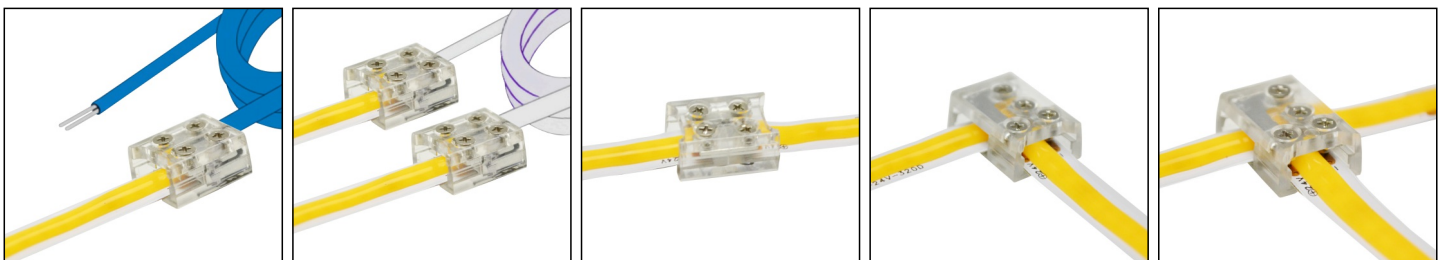
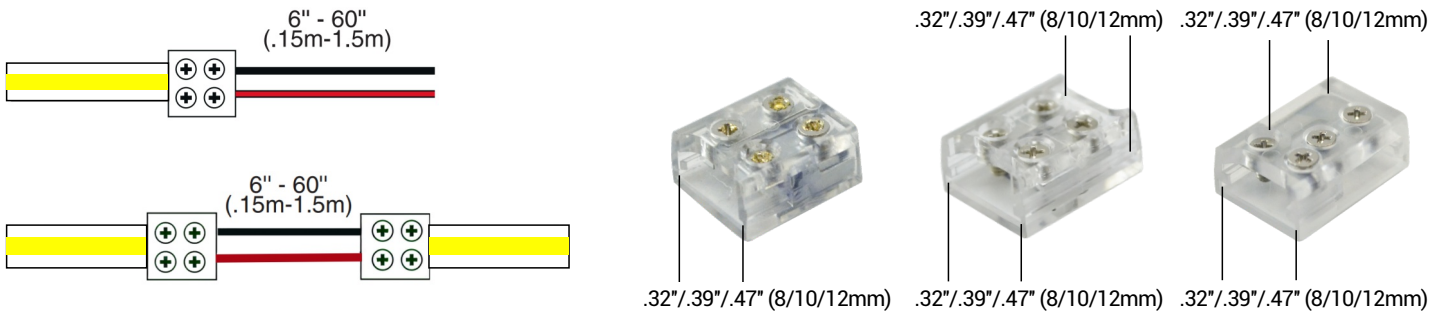
MECHANICAL DIAGRAMS



CONNECTIONS WITHOUT USING CONNECTORS



PAIRED WITH HIGHLY RECOMMEND SOLDER-FREE EASY TO USE CONNECTORS



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RECOMMENDED CHANNELS

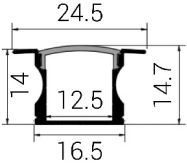
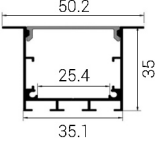
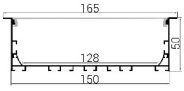


SURFACE MOUNTING

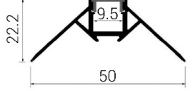
Part No.	Description	Included Accessories	Diffusion Type	Connection Options	Length	Diagram(mm)
LCSM1708	Sleek, low-profile design engineered for seamless tape light integration.	Channel & frosted cover, 2x surface mounting clips per meter, End caps: 1x open, 1x closed.	Classic Frosted Lens, Dotless	Soldered Lead or Solder-free connector	1' to 8' (.3m -2.5m) Customizable	
LCSM1714	Engineered for structural rigidity, this robust profile adapts to diverse architectural requirements with multiple mounting configurations.	Channel & frosted cover, 2x surface mounting clips per meter, End caps: 1x open, 1x closed.	Classic Frosted Lens, Dotless	Soldered Lead or Solder-free connector	1' to 8' (.3m -2.5m) Customizable	
LCSM2011SQ	A timeless, low-profile silhouette engineered for universal tape light compatibility.	Channel & frosted cover, 2x surface mounting clips per meter, End caps: 1x open, 1x closed.	Classic Frosted Lens, Dotless	Soldered Lead or Solder-free connector	1' to 8' (.3m -2.5m) Customizable	
LCSM5035	A structural aluminum housing provides superior heat management and a wide, volumetric glow, perfect for high-end commercial and residential spaces.	Channel & frosted cover, 4x surface mounting clips per meter, End caps: 1x open, 1x closed. Pendant mounting kits available upon request.	Classic Frosted Lens, Dotless	Soldered Lead or Solder-free connector, Capable of housing multi-row LED Tape Light	1' to 8' (.3m -2.5m) Customizable	
LCSM1616SQ45	Precision-engineered angled profile designed for directed illumination.	Channel & frosted cover, 2x surface mounting clips per meter, End caps: 1x open, 1x closed.	Classic Frosted Lens, Dotless	Soldered Lead or Solder-free connector	1' to 8' (.3m -2.5m) Customizable	
LCSM1616ARC45	Elegant rounded geometry meets precision optics. This specialized corner channel transforms high-density tape lights into a continuous, ethereal ribbon of light with zero hotspots.	Channel & frosted cover, 2x surface mounting clips per meter, End caps: 1x open, 1x closed.	Classic Frosted Lens, Dotless	Soldered Lead or Solder-free connector	1' to 8' (.3m -2.5m) Customizable	



RECESSED MOUNTING

Part No.	Description	Included Accessories	Diffusion Type	Connection Options	Length	Diagram(mm)
LCR1714	A precision-engineered recessed profile designed for seamless integration within high-end millwork. This discrete housing allows the architecture to speak while providing a flawless, flush-mounted light source.	Channel & frosted cover, 2x surface mounting clips per meter, End caps: 1x open, 1x closed.	Classic Frosted Lens, Dotless	Soldered Lead or Solder-free connector	1' to 8' (.3m -2.5m) Customizable	
LCR3535	QUADRA 35 Structural Seamlessness Recessed Channel	Channel & frosted cover, 2x surface mounting clips per meter, End caps: 1x open, 1x closed.	Classic Frosted Lens, Dotless	Soldered Lead or Solder-free connector	1' to 8' (.3m -2.5m) Customizable	
LCR15050	LUZUMI™ MAXIMA 150 Recessed Channel, Commanding Scale. Infinite Light. Engineered for Grand Spaces.	Channel & frosted cover, 4x mounting clips per meter, End caps: 1x open, 1x closed.	Classic Frosted Lens, Dotless	Soldered Lead or Solder-free connector	1' to 8' (.3m -2.5m) Customizable	

MUD-IN

Part No.	Description	Included Accessories	Diffusion Type	Connection Options	Length	Diagram(mm)
LCMI5022-OS	Conner Mud In Channel with diffusing outside	Channel & frosted cover, 4x mounting clips per meter, End caps: 1x open, 1x closed.	Classic Frosted Lens, Dotless	Soldered Lead or Solder-free connector	1' to 8' (.3m -2.5m) Customizable	
LCMI5022-IS	Conner Mud In Channel with diffusing inside	Channel & frosted cover, 4x mounting clips per meter, End caps: 1x open, 1x closed.	Classic Frosted Lens, Dotless	Soldered Lead or Solder-free connector	1' to 8' (.3m -2.5m) Customizable	