

Scenveo™ Collection

RGBW LED Tape & Strip Light Specification Sheet

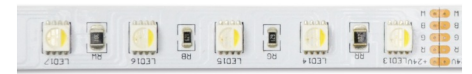


KEY HIGHLIGHTS

The bright, saturated RGBW strip light features with four channels: red, green, blue, and white. Enables a full spectrum of colors plus pure white light for enhanced color rendering and lighting versatility. Suitable for high performance color changing applications.

SPECIFICATIONS

- 24VDC, 12VDC.
- RGBW(W=2700K, 3000K, 4000K, 5000K, 6000K color temp).
- Maximum run on a given lead is 5 meters (16' -4") @12V and 10 meters (32'-8") @24V.
- IP20, IP54, IP65, IP67.
- 60/84LEDs/m (use 4 chip in one LED) or 56LEDs/ft (use RGB LED+white LED).
- Cuttable every 3" (76.2mm)@56LEDs/ft, or every 6/14LEDs (24V).
- Custom lengths available - factory customization.
- Compatible with solder-free connectors.
- Premium diodes 120° viewing angle.
- Dimmable.
- 3M adhesive back.



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: FR15W5050RGBW60WH10E12

Name	Wattage/m or /ft	LED Type	Color	LEDs/m or /ft	FPC Color	FPC Width(mm)	IP Rate	Voltage
FR	9W	5050	RGBW	60	WH	10	I (IP20)	12
	15W			84	BL	12	E (IP54)	24
	20W			56	BR		A (IP65)	
	6W						B (IP67)	

HIGHLY RECOMMENDED EASY TO USE CONNECTORS

Part No.	Descriptions
CSR-XB5W-15	luzumi led solder-free tape to power connector
CSR-BXB5W-15	luzumi led solder-free tape to tape connector
CSR-BB5W	luzumi led tape to tape connector(no wire)

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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MECHANICAL DIAGRAMS



✂ Every 6/14 leds

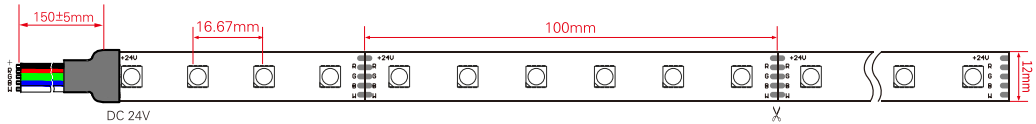
Width
0.47 in.
(12 mm)



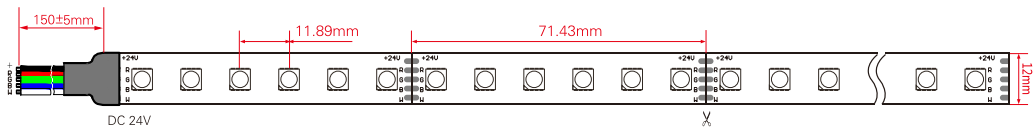
Height
0.20 in.
(5 mm)



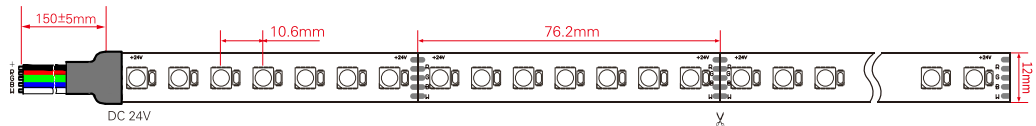
60LEDs/m 12mm width



84LEDs/m 12mm width



56LEDs/ft 12mm width



CONNECTIONS WITHOUT USING CONNECTORS

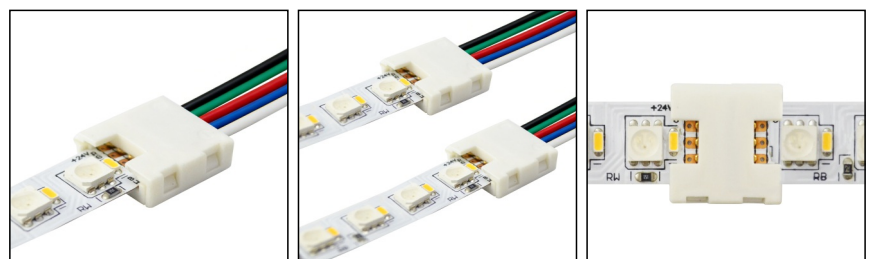
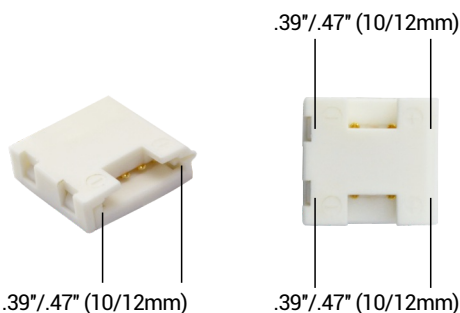
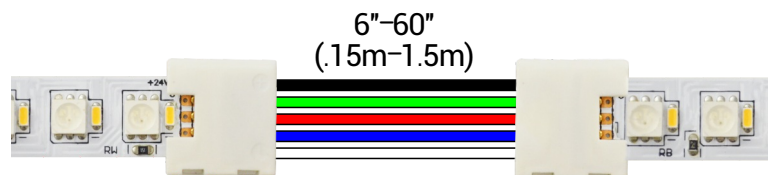
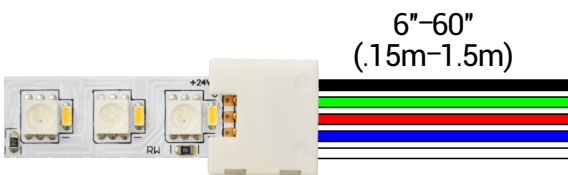


Bare Lead 20 AWG Wire with Strain Relief



Bare Lead 20 AWG Wire with Strain Relief

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	
LCSM0808	A master of subtlety, this minimal profile integrates seamlessly into any environment.	Channel & frosted cover, 2x surface mounting clips per meter, End caps: 1x open, 1x closed.	Classic Frosted Lens, Dotless	Soldered Lead only	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	

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RECOMMENDED CHANNELS



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	