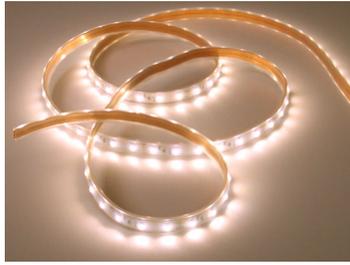
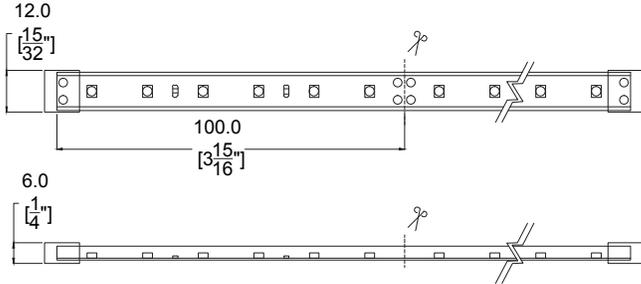


24V SD 2400K LED RIBBON

BL-RBN-SD-24V-2400K



DIAGRAMS - DIMENSIONS



SAMPLE APPLICATION



ACCESSORIES

Mounting

BL-RBN-CLP	Silicone Mounting Clip
BL-RBN-DSIDE-TAPE	Double Sided Tape - 1 roll of 50 m (164 ft)
BL-LOCTITE	Concrete Surface Clear Adhesive (300 ml)
BL-DOW832	Silicone Rubber Adhesive Sealant (300 ml)

Termination

BL-RBN-TK	Termination Kit (required per Ribbon run) - 3ft 20AWG Lead Wire installed - End Caps & Glue
BL-RBN-JC	Ribbon Light Jumper Cable Termination
BL-CSI-120	Clear Silicone Glue (Termination Glue)
BL-RBN-CAP	Cap for Ribbon Light
BL-RBN-LEAD-xx	Extra Lead for Termination on top of 3ft lead wire -xx denotes wire gauge AWG (20, 18, 16, 16 Plenum)

ORDERING

24V SD 2400K LED Ribbon
BL-RBN-SD-24V-2400K

Termination
BL-RBN-TK
BL-RBN-LEAD-xx
BL-RBN-CAP
BL-RBN-JC

Mounting
BL-RBN-CLP
BL-DOW832
BL-LOCTITE
BL-RBN-DSIDE-TAPE

LED Driver
BL-HTC-CV-24V-xx
BL-FH-CV-24V-xx
BL-GH-CV-24V-xx

Enclosure
BL-ENC-HNG-xx
BL-ENC-SCW-xx
BL-ENC-PVC-xx

Surge Protector
BL-SP-277-20KA

Dimming Module
BL-PWM-12/24V-1CH

Dimming Switch
BL-DIM-SLIDE
BL-DIM-TOUCH

DC Transformer
BL-MAG-DC-24V-xx

Solid State Lighting is sensitive to power fluctuations
Surge protection is highly recommended for all LED lighting products and should be on a designated circuit to protect against premature failure
Lack of surge protection may void your warranty



INNOVATIVE
LIGHTING

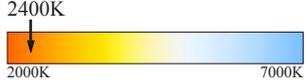
111 - 8838 Heather St. Vancouver BC Canada V6P 3S8
Ph: 1-604-874-4405 • Fx: 1-604-321-0445 • www.bllighting.com • sales@bllighting.com

APPLICATION

- Indoors or Outdoors - Wet or Dry locations
- Accent Lighting
- Cove Lighting
- Under Cabinet
- Architectural, Building, Linear Outlining



LIGHTING

LED	SMD 3528 LED 60 LED/m (18 LED/ft)
Beam Angle	120°
Colour Temperature	2400K 
CRI	93
Avg Life	50,000 hr
Lumen Output	296 lm/m (90 lm/ft)
Efficacy	65.4 lm/W
Dimming	PWM & 0-10V dimming control Magnetic DC dimming transformer & magnetic dimmer

ELECTRICAL

Input Voltage*	24VDC Constant Voltage
Connections	Order Termination Kits or solder leads in field
Power Draw	4.8 W/m (1.46 W/ft)
Operating Temp	-20°C to 40°C (-4°F to 104°F) High ambient temperature will shorten LED life
Circuit	In parallel

*Do not plug directly into 120V

MECHANICAL

Housing Construction	Flexible PCB board Silicone jacket
Min Cut Length	10 cm (3-15/16") 6 LEDs per cut
Max Run Length	10 m (32'-8")
Weatherability	IP65 Splash proof
Bend Radius	Medial bend of 38 mm (1.5")

MAX LENGTH PER LED DRIVER

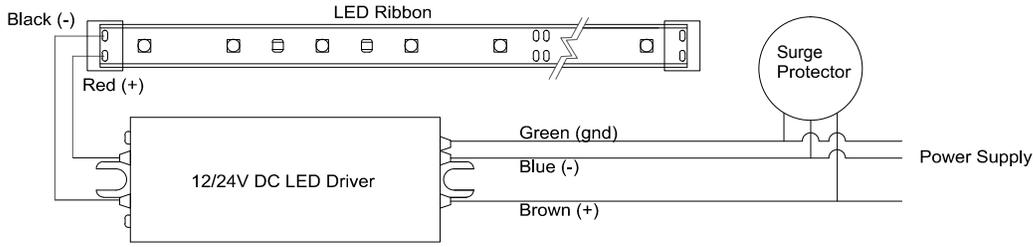
Power Supply	Max Length
25 W	5 m (16 ft)
60 W	12 m (39 ft)
100 W	20 m (68 ft)

*Other driver wattages available

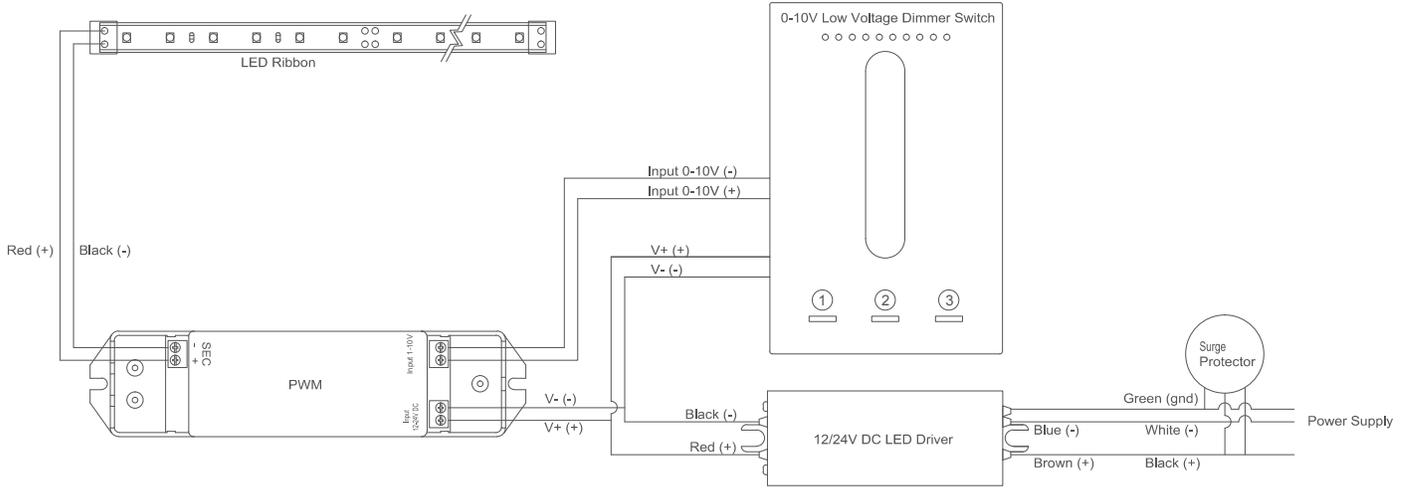
**Can be composed of multiple runs, cannot exceed max single run length

CONNECTION DIAGRAMS

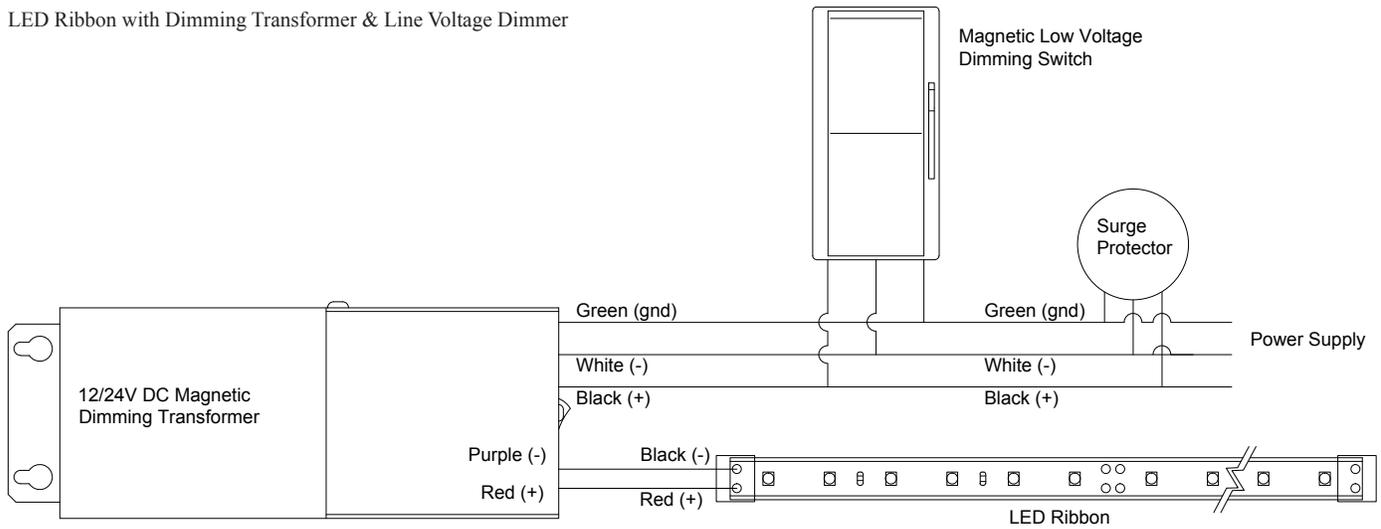
LED Ribbon with LED Driver & Surge Protector



LED Ribbon with PWM & 0-10V Dimmer Switch



LED Ribbon with Dimming Transformer & Line Voltage Dimmer



Actual wire colours may vary - follow labels on the units
Recommended to add 10% buffer when sizing power supply
LED drivers require enclosures

