LED Ribbon & Rope Lighting

Westgate Manufacturing offers a broad line of rope and ribbon lighting products that include long life incandescent and high efficiency LEDs. Our extensive product offering has been designed to meet the most demanding specifications and withstand all types of environments.

R12V
12-VOLT
STANDARD OUTPUT

R12V-5M-D3-CW

R12V-5M-D3-P65-WW

F1

12V STANDARD OUTPUT LED RIBBON

TECHNICAL SPECIFICATIONS:

:: LED: SMD3528 chip spaced 5/8" on center,
  19 per foot, .08 watts each chip
:: Dimmable using a magnetic driver
:: Cutting increment: Every 3 LEDs,
:: Working voltage: 12V DC (LED driver required)
:: Power: 1.5 watts per foot
:: CRI: 80, maximum run is 40 feet
:: 120º beam angle
:: 3M double sided tape is pre-installed under
  each ribbon
:: Includes 1 female ribbon-to-power
  supply connector (Prewired) and 1 male plug for
  connection to next ribbon (Prewired)

Application:

:: Ideal for undercabinet, soffit, display cases and
  toe kick lighting.

INDOOR IP20

12V INDOOR STANDARD OUTPUT LED RIBBON

CATALOG NO.	COLOR TEMP	WATTS PER FT.	REEL LENGTH	LUMENS PER FT.	LEDs PER FT.	WIDTH	LED TYPE	MAX RUN
R12V-5M-D3-CW	5500K	1.5	16.4 ft.	90	19	7/16 in.	SMD3528	40 ft.
R12V-5M-D3-WW	3200K	1.5	16.4 ft.	90	19	7/16 in.	SMD3528	40 ft.

WET LOC. IP65

12V WET LOCATION STANDARD OUTPUT LED RIBBON

CATALOG NO.	COLOR TEMP	WATTS PER FT.	REEL LENGTH	LUMENS PER FT.	LEDs PER FT.	WIDTH	LED TYPE	MAX RUN
R12V-5M-D3-P65-CW	5500K	1.5	16.4 ft.	90	19	7/16 in.	SMD3528	40 ft.
R12V-5M-D3-P65-WW	3200K	1.5	16.4 ft.	90	19	7/16 in.	SMD3528	40 ft.

Note: Ribbon is not for direct submersion in water.

R12V
12-VOLT
HIGH OUTPUT

R12V-5M-D5-CW

R12V-5M-D5-P65-WW

TECHNICAL SPECIFICATIONS:

:: LED: SMD3528 chip spaced 5/8" on center, 19 per foot, .08 watts each chip
:: Dimmable using a magnetic driver
:: Cutting increment: Every 3 LEDs,
:: Working voltage: 12V DC (LED driver required)
:: Power: 1.5 watts per foot
:: CRI: 80, maximum run is 16 feet
:: 120º beam angle
:: 3M double sided tape is pre-installed under each ribbon
:: Includes 1 female ribbon-to-power supply connector (Prewired) and 1 male plug for connection to next ribbon (Prewired)

Application:

:: Ideal for undercabinet, soffit, display cases and toe kick lighting.

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12V HIGH OUTPUT LED RIBBON

12V INDOOR HIGH OUTPUT LED RIBBON

CATALOG NO.	COLOR TEMP	WATTS PER FT.	REEL LENGTH	LUMENS PER FT.	LEDs PER FT.	WIDTH	LED TYPE	MAX RUN
R12V-5M-D5-CW	5500K	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	16 ft.
R12V-5M-D5-WW	3200K	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	16 ft.
R12V-5M-D5-RGB	RGB COLOR CHANGING	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	16 ft.

12V WET LOCATION HIGH OUTPUT LED RIBBON

CATALOG NO.	COLOR TEMP	WATTS PER FT.	REEL LENGTH	LUMENS PER FT.	LEDs PER FT.	WIDTH	LED TYPE	MAX RUN
R12V-5M-D5-P65-CW	5500K	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	16 ft.
R12V-5M-D5-P65-WW	3200K	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	16 ft.
R12V-5M-D5-P65-RGB	RGB COLOR CHANGING	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	16 ft.

R24V
24-VOLT
STANDARD OUTPUT

TECHNICAL SPECIFICATIONS:

:: Material: silicon copper membrane
:: LED: SMD3528 chip spaced 5/8" on center,
   19 per foot, .08 watts each chip
:: Dimmable using a magnetic driver
:: Cutting increment: Every 4 inches
:: Working voltage: 24V DC (LED driver required)
:: Power: 1.5 watts per foot
:: Lumens: 90 lumens per foot, 4.73 LM per LED
:: CRI: 80
:: Max run: 80'
:: 120º beam angle
:: 3M double sided tape is preinstalled
:: Includes 1 female ribbon-to-power
   supply connector (Prewired) and 1 male plug for
      connection to next ribbon (Prewired)

Application:

:: Ideal for undercabinet, soffit, display cases and
   toe kick lighting.

R24V-5M-D3-CW

F3

24V STANDARD OUTPUT LED RIBBON

INDOOR IP20

24V INDOOR STANDARD OUTPUT LED RIBBON

CATALOG NO.	COLOR TEMP	WATTS PER FT.	REEL LENGTH	LUMENS PER FT.	LEDs PER FT.	WIDTH	LED TYPE	MAX RUN
R24V-5M-D3-CW	5500K	1.5	16.4 ft.	90	19	7/16 in.	SMD3528	80 ft.
R24V-5M-D3-WW	3200K	1.5	16.4 ft.	90	19	7/16 in.	SMD3528	80 ft.

INDOOR IP20

24V INDOOR (98.4FT ROLLS) STANDARD OUTPUT LED RIBBON

CATALOG NO.	COLOR TEMP	WATTS PER FT.	REEL LENGTH	LUMENS PER FT.	LEDs PER FT.	WIDTH	LED TYPE	MAX RUN
R24V-30M-D3-CW	5500K	1.5	98.4 ft.	90	19	7/16 in.	SMD3528	80 ft.
R24V-30M-D3-WW	3200K	1.5	98.4 ft.	90	19	7/16 in.	SMD3528	80 ft.

Note: For best results, connect each 32' section to the power supply

R24V
24-VOLT
STANDARD OUTPUT

TECHNICAL SPECIFICATIONS:

:: Material: silicon copper membrane
:: LED: SMD3528 chip spaced 5/8" on center,
   19 per foot, .08 watts each chip
:: Dimmable using a magnetic driver
:: Cutting increment: Every 4 inches
:: Working voltage: 24V DC (LED driver required)
:: Power: 1.5 watts per foot
:: Lumens: 90 lumens per foot, 4.73 LM per LED
:: CRI: 80
:: Max run: 80'
:: 120º beam angle
:: 3M double sided tape is preinstalled
:: Includes 1 female ribbon-to-power
   supply connector (Prewired) and 1 male plug for
   connection to next ribbon (Prewired)

Application:

:: Ideal for undercabinet, soffit, display cases and
   toe kick lighting.

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R24V-5M-D3-P54-WW

24V STANDARD OUTPUT LED RIBBON

DAMP IP 54

24V DAMP LOCATION STANDARD OUTPUT LED RIBBON

CATALOG NO.	COLOR TEMP	WATTS PER FT.	REEL LENGTH	LUMENS PER FT.	LEDs PER FT.	WIDTH	LED TYPE	MAX RUN
R24V-5M-D3-P54-CW	5500K	1.5	16.4 ft.	90	19	7/16 in.	SMD3528	80 ft.
R24V-5M-D3-P54-WW	3200K	1.5	16.4 ft.	90	19	7/16 in.	SMD3528	80 ft.

R24V
24-VOLT
HIGH OUTPUT

R24V-5M-D5-CW

F5

24V HIGH OUTPUT LED RIBBON

R24V-30M-D5-WW

TECHNICAL SPECIFICATIONS:

:: Material: silicon copper membrane
:: LED: SMD5050 chip spaced 5/8" on center,
   19 per foot, .23 watts each
:: Dimmable using a magnetic driver
:: With RGB models controller controls all functions
   including dimming
:: Cutting increment: can be cut every 4"
:: Working voltage: 24V DC (LED driver required)
:: 24V ribbons have longer run capability
   compared to 12V.
:: Power: 4.4 watts per foot, 72 watts per 16.4
   foot roll
:: Roll length: 16 feet-5 inches & 98 feet-5 inches
:: Lumens: 254 lumens per foot, 14.2 lumens per
   LED, 4425 lumens per roll
:: CRI: 80
:: 120° beam angle
:: Includes (connected 1 female ribbon-to-power
   supply connector) and 1 male plug for connection
   to next ribbon

FEATURES:

:: SMD LEDs offer incredible brightness, energy
   efficiency and color rendering
:: Low heat, easy installation, environmentally
   friendly and maintenance free for many years
:: Indoor series ideal for under cabinet, soffit,
   coves, display cases and toe kick lighting.
:: 3M double sided tape is pre-installed under
   each ribbon.

24V INDOOR HIGH OUTPUT LED RIBBON

CATALOG NO.	COLOR TEMP	WATTS PER FT.	REEL LENGTH	LUMENS PER FT.	LEDs PER FT.	WIDTH	LED TYPE	MAX RUN
R24V-5M-D5-CW	5500K	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	32 ft.
R24V-5M-D5-WW	3200K	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	32 ft.
R24V-5M-D5-WW	RGB COLOR CHANGING	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	32 ft.

24V INDOOR (98.4FT ROLLS) HIGH OUTPUT LED RIBBON

CATALOG NO.	COLOR TEMP	WATTS PER FT.	REEL LENGTH	LUMENS PER FT.	LEDs PER FT.	WIDTH	LED TYPE	MAX RUN
R24V-30M-D5-CW	5500K	4.4	98.4 ft.	254	19	1/2 in.	SMD5050	32 ft.
R24V-30M-D5-WW	3200K	4.4	98.4 ft.	254	19	1/2 in.	SMD5050	32 ft.

Note: For best results, connect each 32' section to the power supply

R24V
24-VOLT
HIGH OUTPUT

R24V-5M-D5-P54-CW

R24V-5M-D5-P68-WW

TECHNICAL SPECIFICATIONS:

:: LED: SMD5050 chip spaced 5/8" on center,
 19 per foot, .23 watts each
:: Dimmable using a magnetic driver
:: With RGB models controller controls all functions
:: Cutting increment: can be cut every 3 LEDs,
 approximately every 2 inches
:: Working voltage: 24V DC (LED drive required)
:: 24V ribbons have longer run capability compared
 to 12V.
:: Power: 4.4 watts per foot, 72 watts per 16.4 foot roll
:: Roll length: 16 feet-5 inches & 98 feet-5 inches
:: Lumens: 254 lumens per foot, 14.2 lumens per LED,
 4425 lumens per roll
:: CRI: 80, maximum run is 32 feet
:: 120° beam angle
:: Includes (connected 1 female ribbon-to-power
 supply connector) and 1 male plug for connection
 to next ribbon

FEATURES:

:: SMD LEDs offer incredible brightness, energy
 efficiency and color rendering
:: Low heat, easy installation, environmentally friendly
 and maintenance free for many years
:: Indoor series ideal for undercabinet, soffit, coves,
 display cases and toe kick lighting.
:: Outdoor series ideal for decks, eaves, landscape and
 any location where ribbon is exposed to dust or water.
:: 3M double sided tape is pre-installed under each
 ribbon for P54 only.

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24V HIGH OUTPUT LED RIBBON

DAMP IP 54

24V DAMP LOCATION HIGH OUTPUT LED RIBBON

CATALOG NO.	COLOR TEMP	WATTS PER FT.	REEL LENGTH	LUMENS PER FT.	LEDs PER FT.	WIDTH	LED TYPE	MAX RUN
R24V-5M-D5-P54-CW	5500K	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	32 ft.
R24V-5M-D5-P54-WW	3200K	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	32 ft.
R24V-5M-D5-P54-RGB	RGB COLOR CHANGING	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	32 ft.

WET LOC. IP 68

24V WET LOCATION HIGH OUTPUT LED RIBBON

CATALOG NO.	COLOR TEMP	WATTS PER FT.	REEL LENGTH	LUMENS PER FT.	LEDs PER FT.	WIDTH	LED TYPE	MAX RUN
R24V-5M-D5-P68-CW	5500K	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	32 ft.
R24V-5M-D5-P68-WW	3200K	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	32 ft.
R24V-5M-D5-P68-RGB	RGB COLOR CHANGING	4.4	16.4 ft.	254	19	1/2 in.	SMD5050	32 ft.

LED ELECTRONIC RIBBON LIGHT DRIVERS

LEDDR-12V-48DP
LEDDR-24V-48DP

LEDDR-12V-WP-60
LEDDR-24V-WP-60

LEDDR-12V-72W
LEDDR-24V-72W

LEDDR-12V-150W
LEDDR-24V-150W

LEDDR-12V-300W
LEDDR-24V-300W

LEDDR-12V-400W
LEDDR-24V-400W

LEDDR-12V-WP-200W
LEDDR-24V-WP-200W

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LED ELECTRONIC NON-DIMMABLE DRIVERS
Can be dimmed on the secondary side using electronic dimmers (see page F10)

12-VOLT

CATALOG NO.	MAX WATTAGE	AMP	OPERATING VOLTAGE		15A PLUG & MALE 12V CONNECTOR
			INPUT	OUTPUT	
LEDDR-12V-48DP	48W max	4AMP	120V AC	12V AC	Y
LEDDR-12V-WP-60	60W max	5AMP	120V AC	12V AC	N
LEDDR-12V-72W	72W max	6AMP	120V AC	12V AC	Y
LEDDR-12V-150W	150W max	12.5AMP	120V AC	12V AC	N
LEDDR-12V-300W	300W max	25AMP	120V AC	12V AC	N
LEDDR-12V-400W	400W max	33AMP	120V AC	12V AC	N
LEDDR-12V-WP-200W	200W max	16.66AMP	120V AC	12V AC	N

24-VOLT

CATALOG NO.	MAX WATTAGE	AMP	OPERATING VOLTAGE		15A PLUG & MALE 12V CONNECTOR
			INPUT	OUTPUT	
LEDDR-12V-48DP	48W max	2AMP	120V AC	24V DC	Y
LEDDR-12V-WP-60	60W max	2.5AMP	100V~130VAC	24V DC	N
LEDDR-12V-72W	72W max	3AMP	120V AC	24V DC	Y
LEDDR-12V-150W	150W max	5AMP	120V AC	24V DC	N
LEDDR-12V-300W	200W max	8.33AMP	100V~130VAC	24V DC	N
LEDDR-12V-400W	300W max	12.5AMP	120V AC	24V DC	N
LEDDR-12V-WP-200W	400W max	16.66AMP	120V AC	24V DC	N

LED ELECTRONIC NON-DIMMABLE DRIVERS

LED DIMMABLE MAGNETIC DC DRIVERS
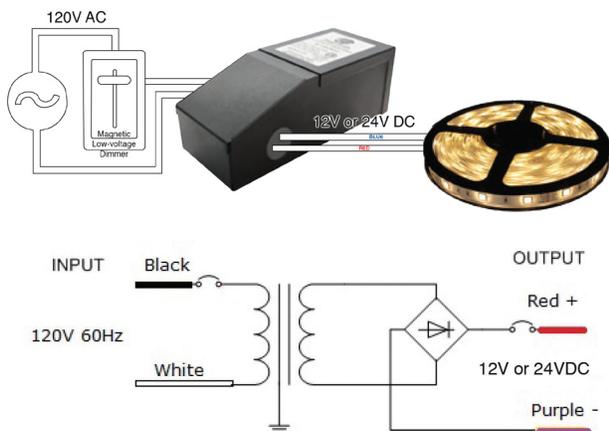

20-WATT THRU 50-WATT

50-WATT THRU 300-WATT

TECHNICAL SPECIFICATIONS:

:: Material: black powder-coated steel enclosure
:: Dimmable with most low-voltage magnetic dimmers (Dimmer minimum load must be met.)
:: Confirms to UL standard 1310 class 2 wiring
:: Primary and secondary auto-reset breaker
:: Input leads 18 AWG
:: Output leads 14 AWG
:: Leads maximum operating tempreture 105 centigrade
:: Enclosure temperature does not exceed 65 at 45 ambient when fully-loaded.
:: Wiring compartment has (2) 1/2" knockouts.

FEATURES:

:: Compact design allows for installation in low profile applications.
:: Ideal for hard wired applications or when full range dimming is required.
:: Encapsulated with polyester resin for whisper-quiet operation.

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12-VOLT — LED DIMMABLE MAGNETIC DRIVERS

CATALOG NO.	MAX WATTAGE	OPERATING VOLTAGE INPUT	OPERATING VOLTAGE OUTPUT	SELF-RESET PRIMARY	SELF-RESET SECONDARY	DIMENSIONS
UCM20L12DC	20W max	120V AC	12V DC	0.80A	3.00A	5"(L) x 2-1/8"(W) x 2"(D)
UCM40L12DC	40W max	120V AC	12V DC	1.25A	5.00A	5"(L) x 2-1/8"(W) x 2"(D)
UCM50L12DC	50W max	120V AC	12V DC	1.25A	5.00A	6"(L) x 2-5/8"(W) x 2-1/4"(D)
UCM100L12DC	100W max	120V AC	12V DC	2.00A	13.00A	9-1/8"(L) x 3"(W) x 3"(D)
UCM150L12DC	150W max	120V AC	12V DC	2.00A	13.00A	9-1/8"(L) x 3"(W) x 3"(D)

24-VOLT

CATALOG NO.	MAX WATTAGE	OPERATING VOLTAGE INPUT	OPERATING VOLTAGE OUTPUT	SELF-RESET PRIMARY	SELF-RESET SECONDARY	DIMENSIONS
UCM20L24DC	20W max	120V AC	24V DC	0.80A	1.50A	5"(L) x 2-1/8"(W) x 2"(D)
UCM40L24DC	40W max	120V AC	24V DC	1.25A	3.00A	5"(L) x 2-1/8"(W) x 2"(D)
UCM50L24DC	50W max	120V AC	24V DC	1.25A	4.00A	6"(L) x 2-1/2"(W) x 2-1/4"(D)
UCM96L24DC	100W max	120V AC	24V DC	2.00A	4.00A	7-1/2"(L) x 3"(W) x 3"(D)
UCM100L24DC	150W max	120V AC	24V DC	2.00A	10.00A	9-1/8"(L) x 3"(W) x 3"(D)
UCM150L24DC	300W max	120V AC	24V DC	5.00A	12.50A	9-3/4"(L) x 4"(W) x 3-1/2"(D)

LED MAGNETIC DIMMABLE DRIVERS

RGB RIBBON LIGHT CONTROLLERS

LED-CTRL-24K

LED-CTRL-44K

Westgate's controllers are designed to work with our RGB series LED ribbon products for both 12 and 24 volt ribbon.

RGB controllers provide precise mixing between the three primary colors (red, green, blue) and can give fine adjustment for whites ranging from 2700K to 6500K. Also includes fade and flash functions. Chasing not available.

LED-CTRL-44K-HD

LED-CTRL-20K-HD

LED-CTRL-MINI-1

LED-CTRL-MINI-RGB

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CONTROLLERS FOR RGB RIBBON

CONTOLLERS FOR RGB RIBBON (FOR USE WITH LED DRIVERS)

CATALOG NO.	# KEYS/ REMOTE	REMOTE DISTANCE	MAX WATTAGE		OUTPUT CURRENT	DIMENSIONS
LEDR-CTRL-24K	24 keys IR	30 ft.	72W /12V	144W / 24V	<2A	2" x 1-3/8" x 7/8"
LEDR-CTRL-44K	44 keys IR	30 ft.	72W /12V	144W / 24V	<2A	2-1/2" x 1-3/8" x 7/8"
LEDR-CTRL-44K-HD	44 keys IR	30 ft.	144W /12V	288W / 24V	<4A	5" x 2-1/2" x 1"
LEDR-CTRL-20K-HD	20 keys IR	30 ft.	288W /12V	576W / 24V	<10A	4" x 2-1/2" x 1"
LEDR-CTRL-MINI-1	11 keys IR	50 ft.	144W /12V	288W / 24V	12AMP	2" x 1-3/8" x 7/8"
LEDR-CTRL-MINI-RGB	10 keys IR	50 ft.	72W /12V	144W / 24V	<3A	2" x 1-3/8" x 7/8"

LED MINI CONTROLLER FOR SINGLE COLOR RIBBON
LED MINI CONTROLLER FOR RGB RIBBON
WIFI LED RGB CONTROLLER APP NAME "LED MAGIC COLOR"

ELECTRONIC RIBBON LIGHT DIMMERS

FOR USE WITH ELECTRONIC DRIVERS ONLY ON THE SECONDARY SIDE

Westgate's LED-DMR 12 and 24 volt dimmers are for use with single color LED ribbon products and electronic drivers and will not function on RGB products.

LED-DMR-R

LED-DMR-12K
Dimmer with remote

F10

DIMMERS

DIMMERS

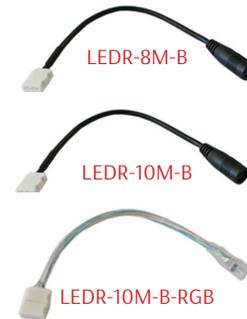| CATALOG NO.	SUPPLY VOLTAGE	OUTPUT CURRENT	APPLICATION	DIMENSIONS	WEIGHT
LEDR-DMR-R	DC5V,12V, 24V, DC12-24V	<8A	Single color	3-1/2" x 2-3/8" x 2-1/4"	0.15 lbs. (2.33 oz.)
LEDR-DMR-12K	DC5V,12V, 24V with 12-Key Infrared Controller	<8A	Single color	3-1/2" x 3-1/2" x 2"	0.32 lbs. (5.11 oz.)

LED RIBBON LIGHTING | ACCESSORIES FOR 12V & 24V

C SERIES

LEDR-8M-C

LEDR-10M-C

LEDR-10M-C-RGB

A SERIES

LEDR-8M-A
LEDR-10M-A
LEDR-10M-A-RGB

B SERIES

LEDR-8M-B

LEDR-10M-B

LEDR-10M-B-RGB

HOW DO THE CONNECTORS AND COUPLINGS WORK?

1 Cut ribbon

2 Open cover

3 Align ribbon under contact

4 Close cover

* IP54 and IP65 connections should be sealed with silicon sealer and covered with heat shrink.

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COUPLINGS & CONNECTORS

COUPLINGS

CATALOG NO.	TO BE USED WITH	LENGTH
LEDR-8M-A	SMD3528 Tape light (Part numbers with "D3")	0.62" x 0.55 (W)
LEDR-10M-A	SMD5050 Tape light (Part numbers with "D5")	0.62" x 0.55 (W)
LEDR-10M-A-RGB	RGB SMD5050 Tape light (Part numbers with "D5 RGB")	

CONNECTORS

CATALOG NO.	TO BE USED WITH	LENGTH
LEDR-8M-B	SMD3528 Tape light (Part numbers with "D3")	8"
LEDR-10M-B	SMD5050 Tape light (Part numbers with "D5")	8"
LEDR-10M-B-RGB	RGB SMD5050 Tape light (Part numbers with "D5 RGB")	7-1/2"

COUPLINGS WITH WIRE

CATALOG NO.	TO BE USED WITH	LENGTH
LEDR-8M-C	SMD3528 Tape light (Part numbers with "D3")	8"
LEDR-10M-C	SMD5050 Tape light (Part numbers with "D5")	8"
LEDR-10M-C-RGB	RGB SMD5050 Tape light (Part numbers with "D5 RGB")	8"

WESTGATE MFG WWW.WESTGATEMFG.COM TOLL FREE: 877.805.2252 FAX: 877.809.2252

CLEAR FROSTED WHITE ORANGE BLUE RED GREEN

CHANNEL COVERS

POLYCARBONATE CHANNEL

ALUMINUM CHANNEL

CHANNEL CAP

CHANNELS

CATALOG NO.	DESCRIPTION
LEDR-CLR-LENS	PLASTIC LENS 48" FOR 1/2" CHANNEL, CLEAR COLOR
LEDR-FRST-LENS	PLASTIC LENS 48" FOR 1/2" CHANNEL, FROSTED COLOR
LEDR-WHITE-LENS	PLASTIC LENS 48" FOR 1/2" CHANNEL, WHITE COLOR
LEDR-AMBER-LENS	(SPECIAL ORDER) PLASTIC LENS 48" FOR 1/2" CHANNEL, AMBER COLOR
LEDR-BLUE-LENS	(SPECIAL ORDER) PLASTIC LENS 48" FOR 1/2" CHANNEL, BLUE COLOR
LEDR-RED-LENS	(SPECIAL ORDER) PLASTIC LENS 48" FOR 1/2" CHANNEL, RED COLOR
LEDR-GREEN-LENS	(SPECIAL ORDER) PLASTIC LENS 48" FOR 1/2" CHANNEL, GREEN COLOR
LEDR-CHNL-4FT	ALUMINUM CHANNEL 48" FOR FOR LED RIBBON 1/2" WIDE
LEDR-CHNL-4FT-WHT	POLYCARBONATE CHANNEL 48" FOR LED RIBBON 1/2" WIDE, FROSTED
LEDR-CHNL-8FT	ALUMINUM CHANNEL 96" FOR FOR LED RIBBON 1/2" WIDE
LEDR-CHNL-8FT-WHT	POLYCARBONATE CHANNEL 96" FOR LED RIBBON 1/2" WIDE, FROSTED

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CHANNELS / ACCESSORIES

CONTYPE-H

CONTYPE-H-20

CONTYPE-RGB-H

CONTYPE-RGB-H-20

LEDR-AMPLIFIER

LEDR-CSS8

LEDR-CSS10

LEDR-CRGBS10

ACCESSORIES

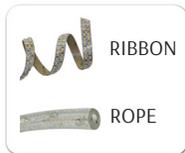| CATALOG NO.	DESCRIPTION
CONTYPE-H	DC TERMINAL, ONE SIDE MALE, ONE SIDE FEMALE
CONTYPE-H-20	DC TERMINAL, ONE SIDE MALE, ONE SIDE FEMALE (20FT.)
CONTYPE-RGB-H	ROUND RGB TERMINAL, ONE SIDE MALE, ONE SIDE FEMALE
CONTYPE-RGB-H-20	RGB TERMINAL, ONE SIDE MALE, ONE SIDE FEMALE (20FT.)
LEDR-AMPLIFIER	POWER AMPLIFIER TO USE WITH RGB
LEDR-CSS8	USED IN CONNECTING 8MM-WIDTH STRIP WITH THE POWER, WIRE STYLE: 20# RED AND BLACK WIRE
LEDR-CSS10	USED IN CONNECTING 10MM-WIDTH STRIP WITH THE POWER, WIRE STYLE: 20# RED AND BLACK WIRE
LEDR-CRGBS10	USED IN CONNECTING 10MM-WIDTH FULL COLOR STRIP WITH THE POWER, WIRE STYLE: 20# YELLOW, RED, GREEN AND BLUE WIRE WITH THE LENGTH OF 100MM

Q&A

Where can LED Ribbon Light be used?

LED Ribbon is a thin, flexible product that is easy to install and can be used for many unique lighting applications, like under cabinet, retail display case, soffit, landscape, sign lighting, even outlining the architectural features of a building. The fifty thousand (50,000) hour life expectancy of the SMD LED chips offer many years of maintenance free operation with a low cost per foot installation.

RIBBON

ROPE

What is the difference between LED Rope light and LED Ribbon light?

LED Ribbon has a low profile and uses SMD chips that are brighter and more efficient LEDs used in rope light. The LED Ribbon is flat and the SMD chip emits light in a more focused, Omni-directional manner over 180 degrees compared with Rope lights that emit light in a 360 degree pattern.

What are SMD5050 and SMD3528 chips? How do they compare with each other?

SMD chips have high brightness and low power consumption while minimizing their lumen depreciation due to the epoxy resin coating and integral thermal management. The numbers represent the dimensions of the chip, for example the SMD5050 chip is .50mm by .50mm square, uses .24 watts and is mounted on a ribbon that is ½" wide. The SMD3528 chip is .35mm by .28mm, consumes .08 watts and is mounted on a 7/16" wide ribbon. Both are available in warm white (3200K), Day light (5500K) and RGB. The letters SMD represent the words "Surface Mount Device". All 12 & 24 volt LED Ribbon products are powered using an LED driver (See page 5). The120 volt ribbon uses a DC rectifier. The LED Ribbon with RGB chips requires the use of a controller.

SMD3528

SMD5050

How many SMD chips per foot? How much power is needed?

Westgate's LED ribbon contains 19 LED chips per foot and they are spaced approximately 7/16" on center. Each foot of SMD3528 tape light consumes 1.5 watts and each foot of SMD5050 tape light consumes 4.4 watts. An LED driver with 12 or 24V DC secondary is required for low-voltage ribbon.

Can LED ribbon lights be used outside?

Yes, if the ribbon has the proper IP (Ingress Protection) cover to protect it against dust and water. The IP54 and IP65 products work well in damp locations, for example under eaves. The IP68 rated product can be used for applications with full exposure to rain or submersed in a fountain on a GFCI protected circuit. The IP20 rated product is for interior "dry" applications only.

Westgate LED ribbon is offered with the following IP ratings

IP20: Indoor use only
IP54: Protected against dust and water splashes (limited ingress permitted)
IP65: Protected against dust and mild water jet (limited ingress permitted)
IP68: Dust tight and protected against immersion in water.

IP20
DRY
LOCATION

IP54
DAMP
LOCATION

IP65 / IP68
WET
LOCATION

How often can the Ribbon Lights be cut?

Every 2 to 4 inches for low-voltage product and every 20" on 120-volt product. Cut only on the cut lines printed on the ribbon.

IP54/IP65 can be cut with razor knife.

You can cut at the designated marks. Just look for scissors!

Would it be weatherproof once it is cut?

No, once the ribbon is cut it may not be in contact with moisture unless it's capped and sealed with silicone and cased in heat shrink.

WESTGATE LED Ribbon Nomenclature

Voltage	Length	Chip Type	IP Rating	Color Temp
R12V	16 ft.	D3 = SMD3528	P20 = Blank	CW = Cool White (5000-6000K)
R24V	98 ft.	D5 = SMD5050	P54 = Damp Location	WW = Warm White (2700-3500K)
RHV-(120V)	50 ft.		P65 = Wet Location	
			P68 = Wet Location / Submersible	

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