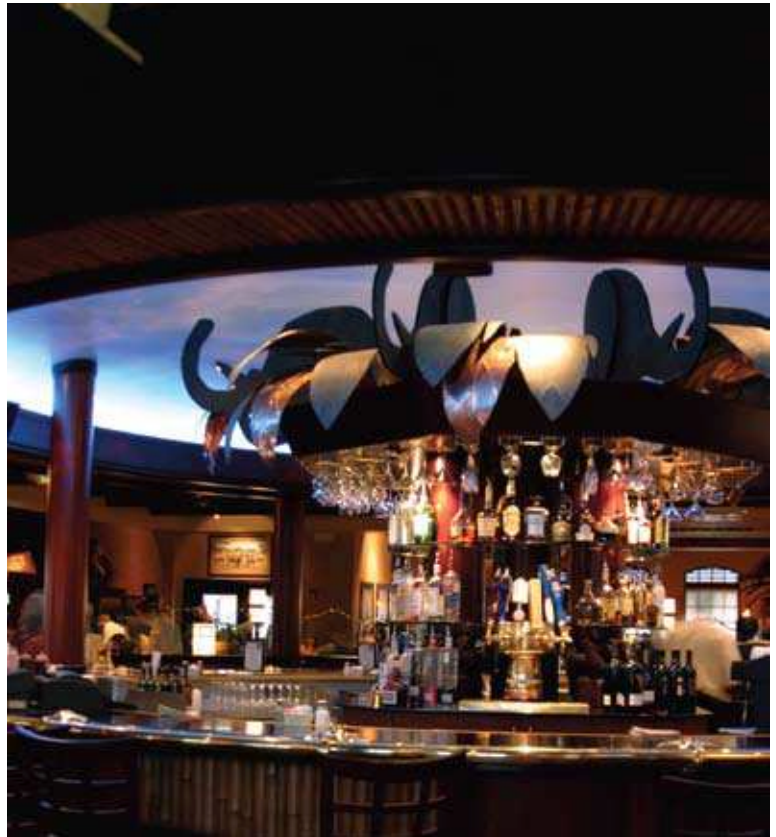


LED 4-WIRE RGB

LED 4-Wire provides an even, bright and unique color changing linear effect lighting. This unique product contains red, blue, and green lamps with the capabilities of fading, color select, chasing, or sparkling effects and is also DMX compatible. Available in 24V and 120V versions to accommodate any job – no matter how big or small! Ideal for restaurants, night clubs, store fronts, or anywhere eye-catching lighting effects are needed. Also available in Ultra Warm White and Cool White (see page 60).



FEATURES

- Even and bright color changing effect lighting
- Long life LEDs last up to 100,000 hours
- Available in 24V and 120V
- Easy to install
- Order in either 295 foot bulk reels or custom cut pieces
- Energy efficient – only consumes a maximum of 2.22 watts per foot
- Create long runs (up to 295 feet)
- Various controllers offer crossfades with speed control, color “select”, chasing/sparkling effects and DMX capabilities



CONTROLLER CAPABILITY CHART



LED-4WR-490CTRL



LED-4WR-3S-5/30-120



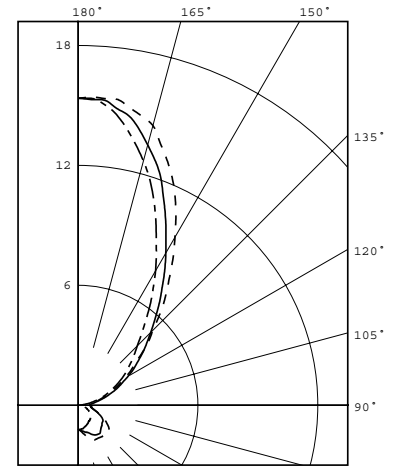
LED-4WR-6-1/10-120



LED-4WR-3S-1/10-24

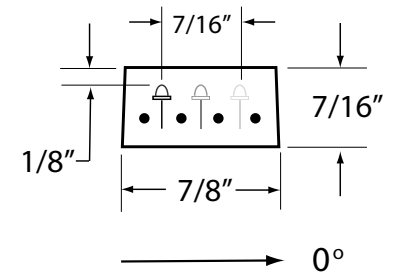
FEATURES	Many adjustable effects (dynamic, static, flashing and fading) or use as a DMX interface	Fade controller with speed control (5-30 seconds) and color "select" stop switch	120V 6A indoor fade controller with speed control (1-10 seconds)	Fade controller with speed control (1-10 seconds) and color "select" stop switch
TYPE	Indoor/outdoor	Indoor Plug-in	Indoor Plug-in	Indoor Hardwire
MAXIMUM RUN	295 feet per output interface	150 feet	295 feet	150 feet
VOLTAGE	120	120	120	24
AMPERAGE	Dual Output (2 x 6A each)	3A	6A	3A
POWER CORD	58", 18AWG, 2C, Black	68" 18AWG, SPT-1, 2C, Black	72", 18AWG, 3C, Black (ground plug)	Two 4-1/2" 22-gauge bare leads, Black
LEAD WIRE TO 4-WIRE RGB	40", 18AWG, 4C, Black	70", 18AWG, 4C, White	70", 18AWG, 4C, White	70", 18AWG, 4C, White
DIMENSIONS	9-1/4"L x 5-3/4"W x 4"H	3-5/8"L x 3-7/8"W x 1-1/2"H	3-1/2" L x 3-7/8"W x 2-1/2"H	3-5/8"L x 3-7/8"W x 1-1/2"H

PHOTOMETRICS (LED-4WR-RGB)



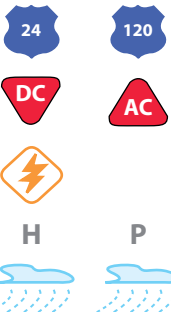
LEGEND:
 0-deg: - - - - -
 45-deg: _____
 90-deg: - . - . - .

Maximum intensity: 15.4 cd
 Luminous flux: 32.9
 Input wattage: 4.3 at 120V
 Efficacy: 7.7 lumens/watt
 Beam angle: 72.8° 0-deg plane
 60.8° 90-deg plane
 Factors: R = .10, G = .65, B = .25



TECHNICAL SPECIFICATIONS

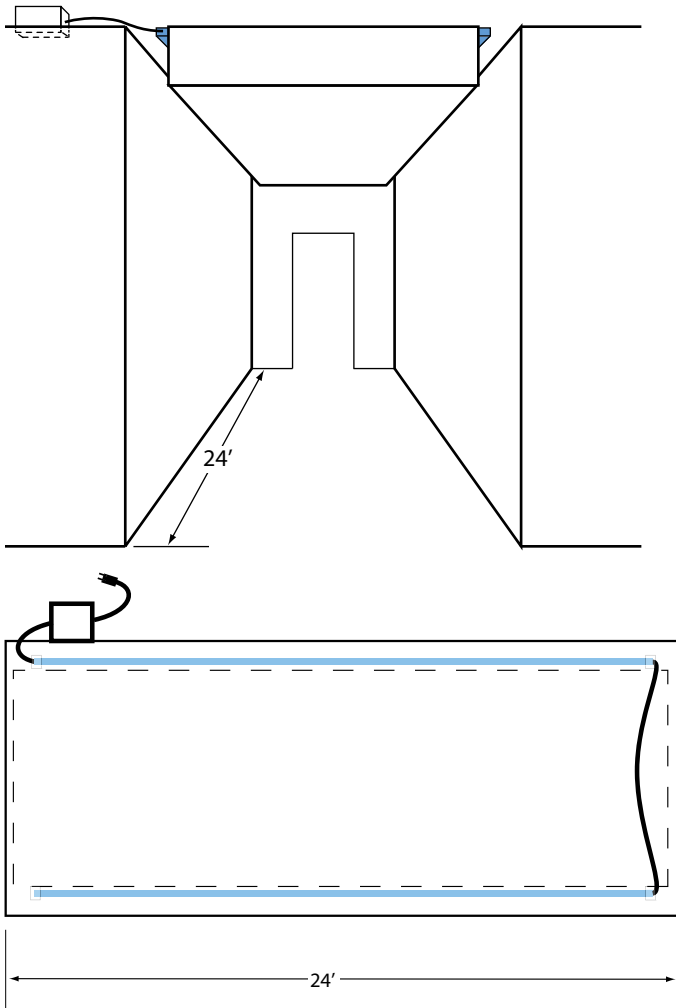
Voltage: 24V and 120V, 60Hz AC operation
 Construction: Rectangular-shaped clear PVC housing with three parallel rows of 3mm LEDs staggered by 3/8"
 Bulk reel: 295 feet
 Dimensions: H = 7/16", W = 7/8"; order in custom cuts or bulk reels
 Cuttability: 24V version is cuttable every 13"; 120V version is cuttable every 39"
 Wattage: Power consumption will vary with the maximum being 2.22 watts per foot
 Maximum run: See controller capability chart above
 Packaging: Bulk reel in white box
 LED specs: 100,000 hours, Red: .05 watt, 2.5V, Green: .07 watt, 3.5V, Blue: .05 watt, 3.5V; 120° beam angle; 20mA, 3mm
 Dimmers: Not dimmable
 Diffuser: Clear PVC jacket
 DMX: LED-4WR-490CTRL is compatible with USITT (ESTA) standard DMX 512 software



LED 4-WIRE RGB

INSTALLATION EXAMPLE

Figure 1



BILL OF MATERIALS

- Determine length needed to the nearest increment (13" for 24V or 39" for 120V)
- For 24V product, consider location and layout for power supplies and runs; determine total watts and order magnetic transformer(s) or LED driver(s) to cover load
- Determine type of controller(s) needed for application (see Controller Capability Chart on page 57)
- For each controller, order one LED-4WR-PWR
- For each run, order one LED-4WR-END
- Consider where jumpers (between rope light sections) and extensions (from controller to rope) will be needed
- Order mounting track or channel for straight runs (recommended) and mounting clips as needed

! For outdoor use, all power connections must be properly sealed with silicone and shrink tube.

Bill of materials for Figure 1:

- (22.75') LED-4WR-RGB
- (22.75') LED-4WR-RGB
- (1) LED-4WR-3S-5/30-120*
- (1) LED-4WR-PWR
- (1) LED-4WR-END
- (1) LED-4WR-JUMP10
- (12) LED-4WR-TRACK

*For DMX applications, substitute this controller with LED-4WR-490CTRL and order one LED-4WR-RGB-490EC3. Note: DMX writing software not included.

ORDERING INFORMATION

PRODUCT

LED-4WR	—	
LED 4-Wire Series		RGB RGB-24

REQUIRED

LED-4WR	—	
Accessories		490CTRL 3S-5/30-120 6-1/10-24 PWR END 3S-1/10-24

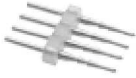









TR Series

Required
for 24V

OPTIONAL

LED-4WR	—	
Accessories		50CTRL TRACK CLIP INVSPL JUMP JUMP10 JUMP20 EC3 EC10 EC20 490EC3 490EC10 490EC20

ACCESSORIES

-		LED-4WR-PWR	LED 4-Wire power connector
-		LED-4WR-END	LED 4-Wire rectangular end cap, clear
-		LED-4WR-TRACK	LED 4-Wire clear mounting track, only sold in 4' pieces
-		LED-4WR-CHAN	LED 4-Wire aluminum mounting channel, only sold in 4' pieces
-		LED-4WR-CLIP	LED 4-Wire clear mounting clip
-		LED-4WR-INV SPL	LED 4-Wire splice connector with shrink tube for joining two 4-Wire sections together
-		LED-4WR-JUMP(LENGTH)	LED 4-Wire extension kit, rope-to-rope. 3', 10' and 20' lengths includes two LED-4WR-PWR connectors
-		LED-4WR-EC(LENGTH)	LED 4-Wire extension kit, controller-to-rope; 3', 10' and 20' lengths includes two LED-4WR-PWR connectors and 3" piece of LED 4-Wire to connect to controller
-		LED-4WR-490EC(LENGTH)	Extension from conkit to LED-4WR-490CTRL signal lead; available in 3', 10' and 20' lengths
pg 120		TR Series	Magnetic transformer, enclosed 24V, dimmable, with multiple knockouts and boost tap 150 watts and 300 watts For runs up to 25 feet, c/UL/us Listed