

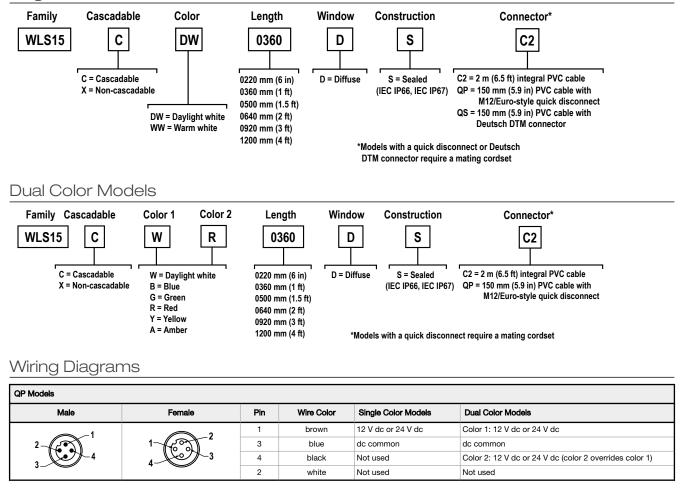
Quick Start Guide

This guide is designed to help you set up and install the WLS15 LED Strip Light. For complete information on programming, performance, troubleshooting, dimensions, and accessories, please refer to the Instruction Manual at *www.bannerengineering.com*. Search for p/n 197493 to view the Instruction Manual. Use of this document assumes familiarity with pertinent industry standards and practices.



For PWM dimming, use with the LC65P2T 2-wire dimmer module. For more information, refer to the LC65 LED Dimmer Module datasheet, p/n *177086*. This module can only be used with the single color models.

Single Color Models



QS Models: Single Color Models Only						
Male	Female	Pin	Wire Color	Connection		
		1	brown	12 V dc or 24 V dc		
		2	blue	dc common		



Specifications

Supply Protection Circuitry

tected against reverse polarity and transient voltages

Supply Voltage 12 V dc or 24 V dc nominal Absolute operational limits of 10 V dc to 15 V dc and 20 V dc to 27 V dc Use only with a suitable Class 2 power supply (UL) or a SELV power supply (CE) Single Color Light Models can be PWM dimmed between 25% to 100% with a frequency up to 1000 Hz

Spacing Citerion

Vertical: 1.26 Horizontal: 1.26

Supply Current

Light Length	Typical Ci at 25		Max. Current (A) at -40°C	
	12 V dc	24 V dc	12 V dc	24 V dc
0220 mm	0.19	0.10	0.24	0.12
0360 mm	0.38	0.20	0.48	0.24
0500 mm	0.57	0.30	0.72	0.36
0640 mm	0.76	0.40	0.96	0.48
0920 mm	1.14	0.60	1.44	0.72
1200 mm	1.52	0.80	1.92	0.96

Connections

2 m (6.5 ft) integral PVC cable, 150 mm (6 in) PVC cable with a 4-pin M12/Euro-style quick disconnect, or 150 mm (5.9 in) 2-pin Deutsch DTM series sealed cable; models with a quick disconnect or Deutsch DTM connector require a mating cordset Do not spray cable with high-pressure sprayer or cable damage will result.

Dimensions

Operating Temperature -40 °C to +60 °C (-40 °F to +140 °F)

Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F)

Environmental Rating Rated IEC IP66 and IEC IP67

Suitable for wet locations per UL 2108

Vibration and Mechanical Shock

Vibration: 10 Hz to 55 Hz, 1.0 mm peak-to-peak amplitude per IEC 60068-2-6 Shock: 15G 11 ms duration, half sine wave per IEC 60068-2-27

Construction

Clear anodized aluminum housing; Polycarbonate outer housing, Polyamide end caps Application Note

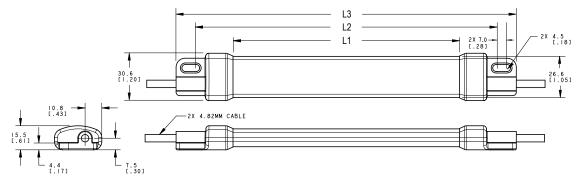
When connecting cascadable lights in series, it is important not to exceed maximum current limitation

- Maximum length of light at 12 V dc: 2.4 m (7.9 ft) Maximum length of light at 24 V dc: 6 m (19.7 ft)
- Mounting

Integral mounting slots for M4 (#8) screws, tighten to 5 in lbf max torque Multiple bracket options available Secure cables within 150 mm (5.9 inches) of the light

Certifications





Models	L1	12	L3
WLS150220	146.4 mm (5.76 inches)	194 mm (7.64 inches)	220 mm (8.66 inches)
WLS150360	286.4 mm (11.28 inches)	334 mm (13.15 inches)	360 mm (14.17 inches)
WLS150500	426.4 mm (16.79 inches)	474 mm (18.66 inches)	500 mm (19.69 inches)
WLS150640	566.4 mm (22.3 inches)	614 mm (24.17 inches)	640 mm (25.2 inches)
WLS150920	846.4 mm (33.32 inches)	894 mm (35.2 inches)	920 mm (36.22 inches)
WLS151200	1126.4 mm (44.35 inches)	1174 mm (46.22 inches)	1200 mm (47.24 inches)

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For patent information, see www.bannerengineering.com/patents

1 Values shown at 25°C - current and lumen values decrease 0.4% per 1°C from ambient. For example, a 1200 mm unit will have a maximum current of 1.92 A at -40°C and 1.33 A at +60°C.

