

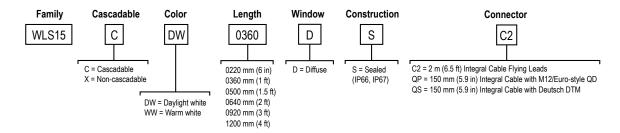
Quick Start Guide

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.

Models



Wiring Diagrams

QP Models					
Male	Female	Pin	Wire Color	Connection	
_ 1		1	brown	12 V dc or 24 V dc	
2	1-	3	blue	dc common	
	-3	4	black	Not used	
3	4	2	white	Not used	
				!	

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

Specifications

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) Light can be PMW dimmed between 25% to 100% with a frequency up to 1000 Hz

Supply Protection Circuitry

Protected against reverse polarity and transient voltages

Construction

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

LM-70, LM-80, TM-21

Light Characteristics

Daylight white color temperature (CCT): 5000K (±300K)
Warm white color temperature (CCT): 3000K (±200K, -100K) CRI: 80 minimum

Spacing Citerion

Vertical: 1.26 Horizontal: 1.26

LED Lifetime

Lumen Maintenance - L₇₀

When operating within specifications, output will decrease less than 30% after 50,000



Supply Current and Lumen Output

Light Length	Typical Current (A) at 25° C 1		Maximum Curre	ent (A) at -40°	Lumens ¹	
	12 V dc	24 V dc	12 V dc	24 V dc	Daylight White	Warm White
0220 mm	0.19	0.10	0.24	0.12	175	170
0360 mm	0.38	0.20	0.48	0.24	350	340
0500 mm	0.57	0.30	0.72	0.36	525	510
0640 mm	0.76	0.40	0.96	0.48	700	680
0920 mm	1.14	0.60	1.44	0.72	1050	1020
1200 mm	1.52	0.80	1.92	0.96	1400	1360

Environmental Rating

Rated IEC IP66 and IEC IP67 Suitable for Wet Locations per UL 2108

Operating Temperature

-40 °C to +60 °C (-40 °F to +140 °F)

Storage Temperature

-40 °C to +70 °C (-40 °F to +158 °F)

Application Note

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

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

Connections

2 m (6.5 ft) integral cable, 150 mm (5.9 in) integral 4-Pin M/12 Euro-style quick disconnect cable, 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



Note: Do not spray cable with high-pressure sprayer, or cable damage will result.

Vibration and Mechanical Shock

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

Certifications



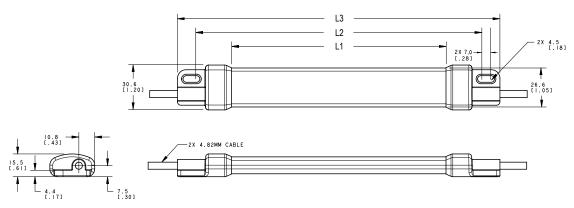




Patent pending

UL Recognized for easy installation in control cabinets.

Dimensions



Models	L1	L2	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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¹ Values shown at 25 °C - current and lumen values decrease 0.3% per 1 °C from ambient. For example, a 1200 mm unit will have a maximum current of 1.92 A at -40 °C and 1.38 A at +70 °C.

