

WLS27 Pro LED Strip Light



Datasheet

This guide is designed to help you set up and install the WLS27 Pro 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 214239 to view the Instruction Manual. Use of this document assumes familiarity with pertinent industry standards and practices.



Important: Read the following instructions before operating the light. Please download the complete WLS27 Pro LED Strip Light technical documentation, available in multiple languages, from www.bannerengineering.com for details on the proper use, applications, Warnings, and installation instructions of this device.

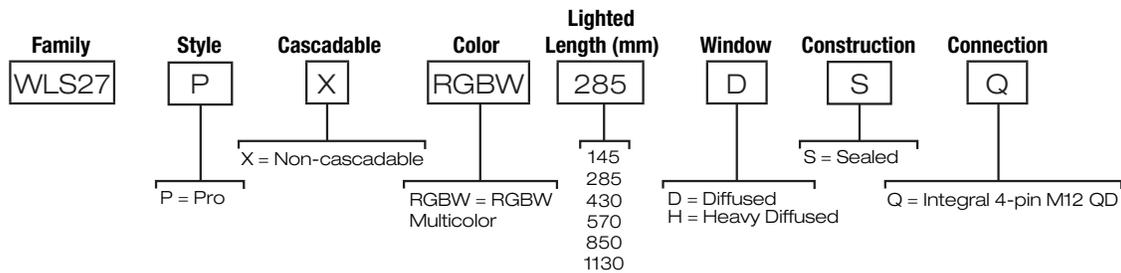


Important: Lea el siguiente instructivo antes de operar el luminario. Por favor descargue desde www.bannerengineering.com toda la documentación técnica de los WLS27 Pro LED Strip Light, disponibles en múltiples idiomas, para detalles del uso adecuado, aplicaciones, advertencias, y las instrucciones de instalación de estos dispositivos.



Important: Lisez les instructions suivantes avant d'utiliser le luminaire. Veuillez télécharger la documentation technique complète des WLS27 Pro LED Strip Light sur notre site www.bannerengineering.com pour les détails sur leur utilisation correcte, les applications, les notes de sécurité et les instructions de montage.

Models



Pro Editor



Use Banner's Pro Editor software and Pro Converter Cable to create custom configurations by selecting different colors, flash patterns, and animations. For more information visit www.bannerengineering.com/proeditor.

Wiring Diagrams

Male	Pin	Wire Color	Description ¹
	1	Brown	Input 1
	2	White	Input 3
	3	Blue	DC common
	4	Black	Input 2

¹ Input functionality can change depending on configuration created with Pro Editor.



7 Color Binary Control (Binary input state controls color, default configuration)			
Input 1: Pin 1 Brown Wire	Input 2: Pin 4 Black Wire	Input 3: Pin 2 White Wire	LED Color
–	–	–	Light OFF
18 V DC to 30 V DC	–	–	Daylight White
–	18 V DC to 30 V DC	–	Green
–	–	18 V DC to 30 V DC	Red
18 V DC to 30 V DC	18 V DC to 30 V DC	–	Yellow
18 V DC to 30 V DC	–	18 V DC to 30 V DC	Blue Bounce with Daylight White Background
–	18 V DC to 30 V DC	18 V DC to 30 V DC	Daylight White with Red Ends Flash
18 V DC to 30 V DC	18 V DC to 30 V DC	18 V DC to 30 V DC	Warm White

Specifications

Supply Voltage

18 V DC to 30 V DC
Use only with suitable Class 2 power supply (UL) or a SELV power supply (CE)

Light Length	Typical Current			Maximum Current
	18 V DC	24 V DC	30 V DC	A
145 mm	0.240	0.180	0.150	0.275
285 mm	0.480	0.360	0.300	0.550
430 mm	0.720	0.540	0.450	0.825
570 mm	0.960	0.720	0.600	1.100
850 mm	1.440	1.080	0.900	1.650
1130 mm	1.920	1.440	1.200	2.200

Supply Protection Circuitry

Protected against reverse polarity and transient voltages



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

Mounting

Bracket LMBWLS27EC included (2 for lights up to 570 mm or 3 for lights 850 mm and longer)

Construction

Clear anodized aluminum inner housing and FDA-grade copolyester outer housing

Connections

Integral 4-pin M12/Euro-style male quick disconnect

Environmental Rating

Rated IEC IP66, IEC IP67, and IP69K per DIN 40050-9

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

Operating Temperature

–40 °C to +50 °C (–40 °F to +122 °F)

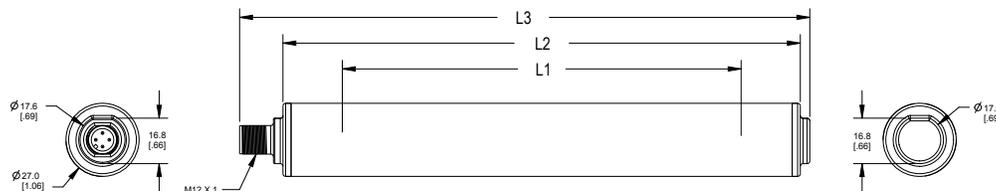
Storage Temperature: –40 °C to +70 °C (–40 °F to +158 °F)

Certifications



Dimensions

Quick Disconnect Models



Models	L1	L2	L3
WLS27..145..	145 mm (5.7 in)	189 mm (7.4 in)	208.5 mm (8.2 in)
WLS27..285..	286 mm (11.3 in)	330 mm (13 in)	349.5 mm (13.8 in)
WLS27..430..	427 mm (16.8 in)	471 mm (18.5 in)	490.5 mm (19.3 in)
WLS27..570..	569 mm (22.4 in)	612 mm (24.1 in)	631.5 mm (24.9 in)
WLS27..850..	849 mm (33.4 in)	893 mm (35.2 in)	912.5 mm (35.9 in)
WLS27..1130..	1120 mm (44.1 in)	1164 mm (45.8 in)	1183.5 mm (46.4 in)

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

FCC Part 15 and CAN ICES-3 (B)/NMB-3(B)

This device complies with part 15 of the FCC Rules and CAN ICES-3 (B)/NMB-3(B). Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules and CAN ICES-3 (B)/NMB-3(B). These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the manufacturer.

Mexican Importer

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