

# WLS27 Dual Color LED Strip Light



## Datasheet

For complete technical information about this product, including installation instructions, application requirements and guidelines, EU Declaration of Conformity, technical specifications, and accessories, see [www.bannerengineering.com](http://www.bannerengineering.com) and search for 186598.

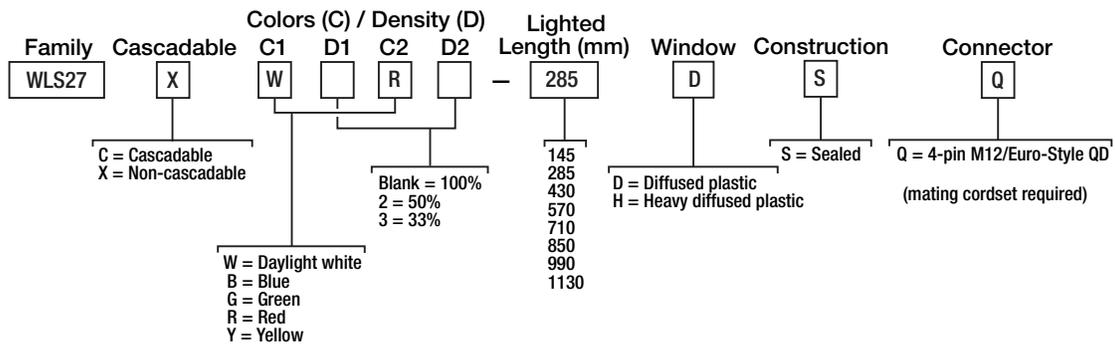


**Important:** Lea el siguiente instructivo antes de operar el luminario. Por favor descargue desde [www.bannerengineering.com](http://www.bannerengineering.com) toda la documentación técnica de los WLS27 Dual Color LED Strip Light, disponibles en múltiples idiomas, para detalles del uso adecuado, aplicaciones, 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 Dual Color LED Strip Light sur notre site [www.bannerengineering.com](http://www.bannerengineering.com) pour les détails sur leur utilisation correcte, les applications, les notes de sécurité et les instructions de montage.

## Models



## Wiring Diagrams

Male	Female	Pin	Wire Color	Connection
		1	brown	Color 1: 12 to 30 V dc
		3	blue	dc common
		4	black	Color 2: 12 to 30 V dc (color 2 overrides color 1)
		2	white	Not used

## Specifications

### Supply Voltage

12 V dc to 30 V dc  
Use only with suitable Class 2 power supply (UL) or SELV power supply (CE)  
See electrical characteristics on product label

Light Length (mm)	Typical Current (A)			Max. Current A
	12 V dc	24 V dc	30 V dc	
145	0.33	0.15	0.12	0.4
285	0.66	0.30	0.24	0.8
430	1.01	0.46	0.36	1.2
570	1.36	0.61	0.48	1.6
710	1.75	0.77	0.60	2.0
850	2.13	0.92	0.73	2.4
990	2.59	1.08	0.85	2.8
1130	3.04	1.24	0.97	3.2

### Mounting

Bracket LMBWLS27EC included (2 for lights up to 570 mm or 3 for lights 710 mm and longer)

### Construction

Copolyester outer housing

### Connections

Integral 4-pin M12/Euro-style male quick disconnect  
Models with a quick disconnect require a mating cordset

### 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 +70 °C (-40 °F to +158 °F)  
Light output begins to decrease above 50 °C (122 °F) and will be approximately 65% of max intensity at 60 °C (140 °F) and 30% of max intensity at 70 °C (158 °F)



**Application Notes**

When connecting cascadable lights in series it is important not to exceed maximum current limitations:  
 Maximum length of light at 12 V dc: 1.4 m (4.6 ft)  
 Maximum length of light at 24 V dc: 3.0 m (9.8 ft)  
 Maximum length of light at 30 V dc: 3.1 m (10.2 ft)

**Environmental Rating**

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



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

**Certifications**



**Dimensions**

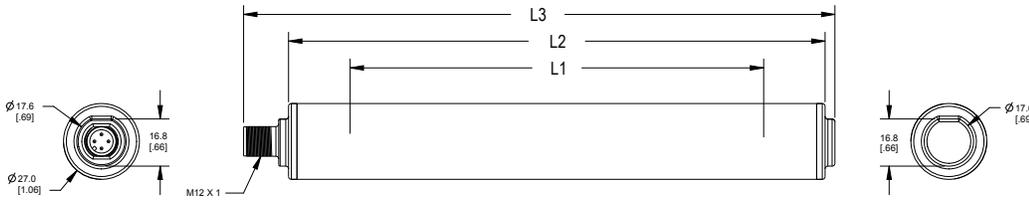


Figure 1. Quick Disconnect Models

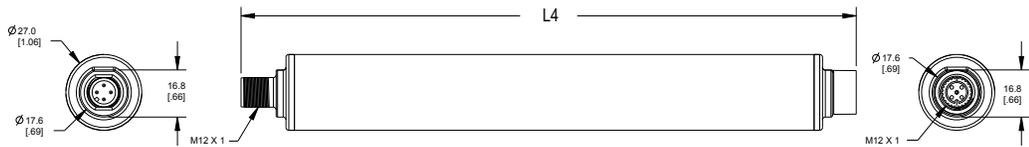


Figure 2. Cascade Models

Models	L1	L2	L3	L4
WLS27..145..	145 mm (5.7 in)	189 mm (7.4 in)	208.5 mm (8.2 in)	217 mm (8.5 in)
WLS27..285..	286 mm (11.3 in)	330 mm (13 in)	349.5 mm (13.8 in)	358 mm (14.1 in)
WLS27..430..	427 mm (16.8 in)	471 mm (18.5 in)	490.5 mm (19.3 in)	499 mm (19.6 in)
WLS27..570..	569 mm (22.4 in)	612 mm (24.1 in)	631.5 mm (24.9 in)	640 mm (25.2 in)
WLS27..710..	708 mm (27.9 in)	752 mm (29.6 in)	771.5 mm (30.4 in)	780 mm (30.7 in)
WLS27..850..	849 mm (33.4 in)	893 mm (35.2 in)	912.5 mm (35.9 in)	921 mm (36.2 in)
WLS27..990..	991 mm (39 in)	1035 mm (40.8 in)	1054.5 mm (41.5 in)	1063 mm (41.8 in)
WLS27..1130..	1120 mm (44.1 in)	1164 mm (45.8 in)	1183.5 mm (46.4 in)	1192 mm (46.9 in)

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For patent information, see [www.bannerengineering.com/patents](http://www.bannerengineering.com/patents).

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