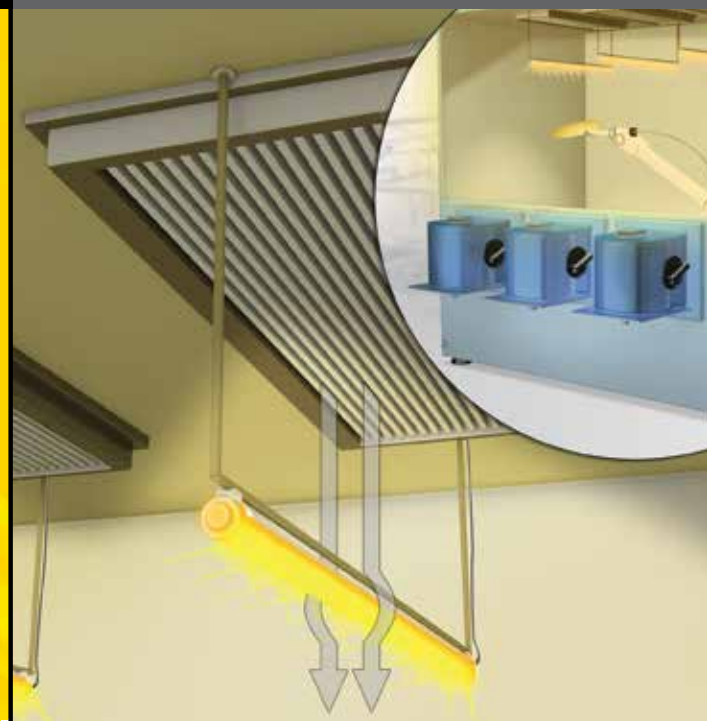# WLS27 LED Strip Lights

Banner's WLS27 LED Strip Lights have a sturdy internal aluminum structure encased in shatterproof, UV-stabilized, copolyester shells, making them ideal for harsh indoor and outdoor applications.

• Round shape makes them suitable for laminar airflow applications
• Rugged, water-resistant **IP66, IP67 and IP69K** design
• **Daisy chain** power to multiple lights
• Capability to dim lights using the wiring pinout (Hi/Lo/Off)
• **Automatic temperature protection** built into the unit extends the product life
• Single- and dual-colored models available

BANNER ®
more sensors, more solutions

No exposed metal
avoids corrosion

Over 50,000 hours of
bright, even LED lighting

Stand-alone or
cascadable models
available

Sturdy internal aluminum structure,
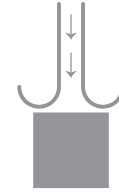encased in shatterproof,
UV-stabilized, copolyester shell

Automatic temperature
protection built into the unit to
protect the product lifetime

Unique Round Design

• Suitable for laminar airflow applications

• No need for an enclosure

No need for an
enclosure with
the WLS27

Other models can
cause turbulence
and may require
an enclosure

Advanced Solutions

• Eight lengths available from 145 to 1130 mm

• Hi/Lo/Off settings are controlled by the wiring pinout

• Available in 6 colors to meet your application needs

• Dual-color options are controlled by the wiring pinout

| Red | Blue | Green | Yellow | Cool or Warm White |

Rugged for Harsh Environments

- Water-, chemical-, and cleaning solvent-resistant IP66, IP67 and IP69K design
- No exposed metal avoids potential corrosion
- Impact resistant
- Sturdy, ultrasonic-welded end caps
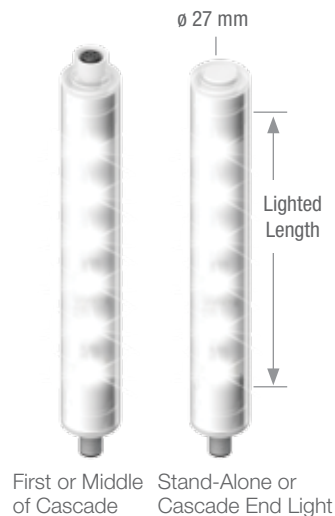- Laser marked—no labels

Chemical-resistant   IP69K   Robust

BANNER®

WLS27 LED Strip Lights

Family	Cascadable	LED Color*	Lighted Length (mm)	Window	Construction	Intensity Control	Connector
WLS27	**C**	**W**	**145**	**D**	**S**	**PWM**	**Q**

Cascadable
C = Cascadable
X = Non Cascadable

LED Color*
W = Cool White
WW = Warm White
R = Red
G = Green
B = Blue
Y = Yellow

* For dual-color models, contact our factory

Lighted Length (mm)

145	710
285	850
430	990
570	1130

Window
D = Diffused Plastic

Construction
S = Sealed

Intensity Control
Blank = Non-dimmable
PWM = Dimmable

Connector
Q = Integral Euro QD

QD models require mating cordset

Supply Voltage	12 to 30 V dc
Pulse Width Modulation (PWM)	Frequency: Up to 1000 Hz Voltage: 8 to 30 V dc Current: 4 mA max. per foot
Construction	Copolyester
Operating/Storage Temperature	-40 to +70 °C (-40 to +158 °F)
Connections	Integral 4-pin M12 quick disconnect fitting (4-pin connecting cordset required)
Environmental Rating	IEC IP66, IP67, IP69K per DIN 40050
Vibration and Mechanical Shock	Vibration 10-55 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	c UL us LISTED CE *patent pending*

ø 27 mm

Lighted Length

First or Middle of Cascade

Stand-Alone or Cascade End Light

Length (mm)	Lumens (Typical @ 25 °C)						Typical Wattage* (Watts)
	Cool White	Warm White	Red	Green	Blue	Yellow	
145	325	325	55	180	40	50	3.6
285	650	650	110	360	80	100	7.2
430	975	975	165	540	120	150	11.0
570	1300	1300	220	720	160	200	14.6
710	1625	1625	275	900	200	250	18.5
850	1950	1950	330	1080	240	300	22.1
990	2275	2275	385	1260	280	350	25.9
1130	2600	2600	440	1440	320	400	29.8

*Typical operating wattage is measured at 24 V dc

Accessories

LMBWLS27EC

LMBWLS27H
Stainless steel

LMBWLS27U

LMBWLS27SP

WLS28-2MQ
In-Line Motion Detection Switch with M12 Connectors (not sealed—IP50)

WLS28-2PBQ
In-Line Switch with M12 Connectors (not sealed—IP50)

IP69K Washdown Cables

4-Pin M12 Euro-Style Washdown Cordset
Straight connector models only

MQDC-WDSS-0406
2 m (6.5')
MQDC-WDSS-0415
5 m (15')
MQDC-WDSS-0430
9 m (30')

4-Pin M12/Euro-Style
Double-ended (straight male/straight female connectors)

MQDEC-WDSS401SS
0.3 m (1')
MQDEC-WDSS403SS
1 m (3')
MQDEC-WDSS406SS
2 m (6.5')

Standard Cables

4-Pin M12/ Euro-Style Cordsets
Straight connector models listed; for right-angle, add RA to the end of the model number (example, MQDC-406RA)

MQDC-406
2 m (6.5')
MQDC-415
5 m (15')
MQDC-430
9 m (30')

4-Pin M12/ Euro-Style Cordsets
Double-ended (straight male/straight female connectors)

MQDEC-401SS
0.3 m (1')
MQDEC-403SS
1 m (3')
MQDEC-406SS
2 m (6.5')

4-Pin M12/Euro-Style Cordsets
Splitter

CSB-M1241M1241
0.3 m (1') male trunk;
2 x 0.3 m (1') female branches

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Minneapolis, MN

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