

WLS27



Sealed LED Strip Lights

- Rugged, IP66, IP67 and IP69K design for harsh indoor and outdoor applications
- Single-, dual-, or multicolored models for custom illumination, indication and more
- EZ-STATUS® models combine illumination and indication
- Hazardous location models for gas and dust environments





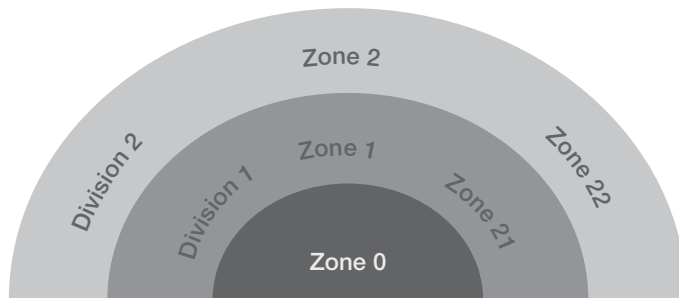
Rugged, water-resistant
IEC IP66, IEC IP67 design

Slim, space-saving design
for use in hazardous
locations

HLS27 Hazardous Location

- Certified for use in Class I Division 2, Class II Division 2, Class III Division 1 & 2, and Zone 2 & 22 locations
- Slim, space-saving design opens mounting possibilities and limits obstruction
- IP66, IP67 construction for installation in indoor, outdoor and washdown environments
- Single- and dual-color models for advanced signaling, inspection and other applications
- Custom brackets make mounting easy and protect against impact
- Intensity control via Hi/Lo/Off wiring or PWM dimming

Single-Color



Models with 2.0 (6.3 ft) ITC-ER cable and unterminated tinned leads:

Gas & Vapors: Class I Zone 2 IIC T4 / Class I Div 2 Groups ABCD T4

Dust: Class II Zone 22 IIC T135°C / Class II Div 2 Groups FG T4

Class III Div 1 and Div 2 T4



Length (mm)	Lumens (Typical @ 25 °C)						Typical Wattage* (Watts)
	Cool White	Warm White	Red	Green	Blue	Yellow	
145	375	375	65	205	45	55	4
285	750	750	130	410	90	110	7
430	1125	1125	195	615	135	165	11
570	1500	1500	260	820	180	220	15
710	1875	1875	325	1025	225	275	19
850	2250	2250	390	1230	270	330	22
990	2625	2625	455	1435	315	385	26
1130	3000	3000	520	1640	360	440	30

*Typical operating wattage is measured at 24 V dc

Challenge

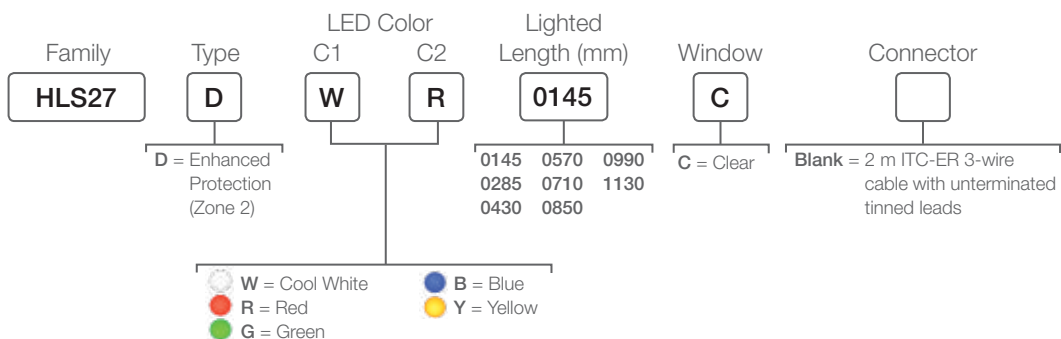
- Visibility is critical for visual inspection of product and machine performance in flexographic printing
- The presence of inks and solvents qualifies the machine area as Class I Division 2

Solution

- HLS27 provides bright light so operators can verify print quality
- The slim design easily fits in the machine without obstructing the equipment or view
- Eight length options allow the HLS27 to fit across different material sizes
- Dimming options give the operator control of intensity and provide additional energy savings



Dual-Color



Length (mm)	Lumens (Typical @ 25 °C)					Typical Wattage* (Watts)
	Daylight White	Red	Green	Blue	Yellow	
145	275	115	175	65	85	4
285	550	230	350	130	170	7
430	825	345	525	195	255	11
570	1100	460	700	260	340	15
710	1375	575	875	325	425	19
850	1650	690	1050	390	510	22
990	1925	805	1225	455	595	26
1130	2200	920	1400	520	680	30

*Typical operating wattage is measured at 24 V dc

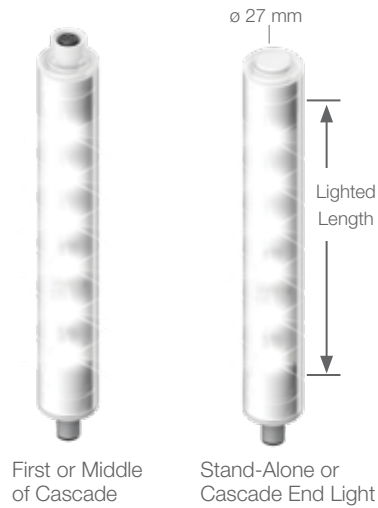
Brackets



LMBHLS270

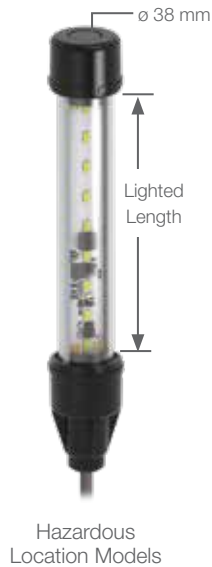
LMBHLS27S

WLS27



Lighted Length (mm)	
145	710
285	850
430	990
570	1130

HLS27



Supply Voltage

Single-, Dual-color, HLS27 models: 12 to 30 V dc
Multicolor models: 24 V dc

Construction

Clear anodized aluminum inner housing
All WLS27 models: FDA-grade copolyester outer housing
HLS27 models: UV stabilized polycarbonate outer housing

Operating/Storage Temperature

Single-, Dual-color, HLS27 models: -40 to +70 °C (-40 to +158 °F)
Multicolor models: -40 to +50 °C (-40 to +122 °F)

Connections

All WLS27 models: Integral 4-pin M12 quick disconnect fitting
(4-pin connecting cordset required)
HLS27 models: 2.0 m (6.3 ft) ITC-ER cable with unterminated tinned leads

Environmental Rating

All WLS27 models: IEC IP66, IP67, IP69K per DIN 40050
HLS27 models: IEC IP66, IEC IP67

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

WLS27 models:    HLS27 models:  

Accessories



IP69K Washdown Cables

M12 Euro-Style Washdown	4-Pin
	M12 Euro-Style Double-ended (straight male/straight female connectors)
Straight connector models only	MQDC-WDSS-0406 2 m (6.5')
	MQDC-WDSS-0415 5 m (15')
	MQDC-WDSS-0430 9 m (30')
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

M12 Euro-Style	4-Pin
	M12 Euro-Style Double-ended (straight male/straight female connectors)
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')
Double-ended (straight male/straight female connectors)	MQDEC-401SS 0.3 m (1')
	MQDEC-403SS 1 m (3')
	MQDEC-406SS 2 m (6.5')
M12/Euro-Style Cordsets	CSB-M1241M1241 0.3 m (1') male trunk; 2 x 0.3 m (1') female branches
	Splitter



186573 Rev. D

© 2018 Banner Engineering Corp. Minneapolis, MN USA

1-888-373-6767

www.bannerengineering.com

BANNER
more sensors, more solutions