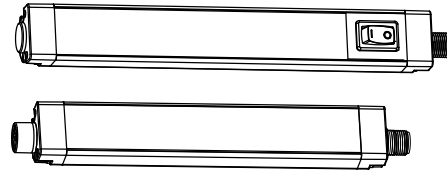


WLS28 Work Light Strip



Installation Guide

To view or download the latest technical information about this product, including specifications, dimensions, accessories, and wiring, see <http://www.bannerengineering.com>.



Specifications

Supply Voltage and Current

12 to 30 V dc (10% maximum ripple)

Use only with suitable Class 2 power supply (UL) or a SELV power supply (CE).

Light Length (mm)	Maximum Current and Power			
	12 V dc	24 V dc	30 V dc	Watts
145	0.5 A	0.25 A	0.2 A	6
285	0.75 A	0.375 A	0.3 A	9
430	1.25 A	0.625 A	0.5 A	15
570	1.5 A	0.75 A	0.6 A	18
710	2.0 A	1.0 A	0.8 A	24
850	2.25 A	1.125 A	0.9 A	27
990	2.75 A	1.375 A	1.1 A	33
1130	3.0 A	1.5 A	1.2 A	36

Mounting

(2) swivel brackets SMBWLS28RA included and (4) screws

Connections

Integral 4-pin M12 quick disconnect fitting (4-pin connecting cordset required for QD models); or 2 m (6.5 ft) integral cable

Certifications



L25 models: UL pending

Application Notes

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

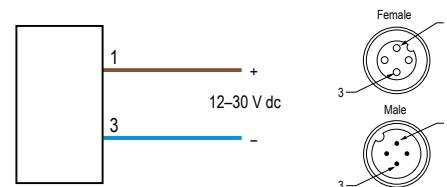
Maximum length of light at 12 V dc: 1.5 m (4.9 ft)

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)

Maximum Ambient Operating Temperature for inside the cabinet of 50°C

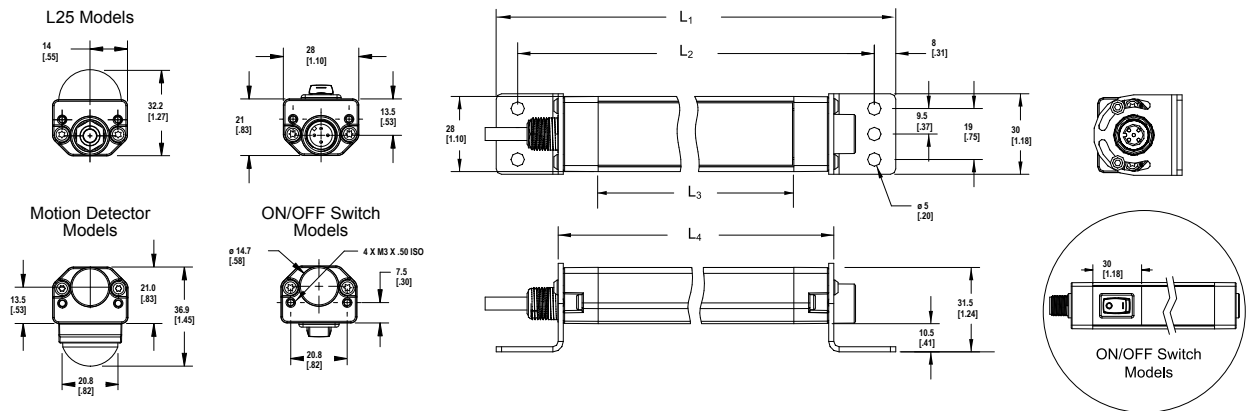
Wiring



Wiring Key: 1 = Brown 3 = Blue



Dimensions

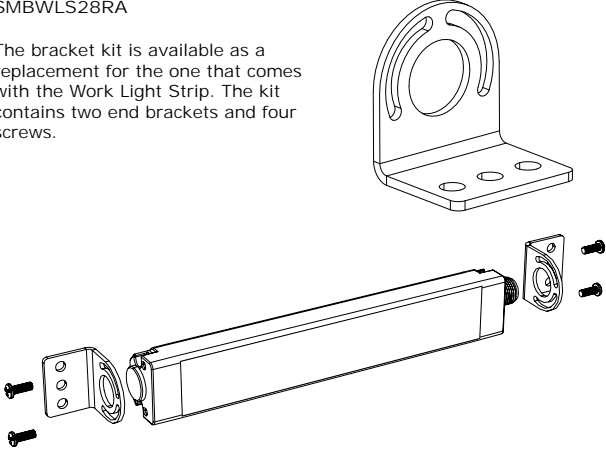
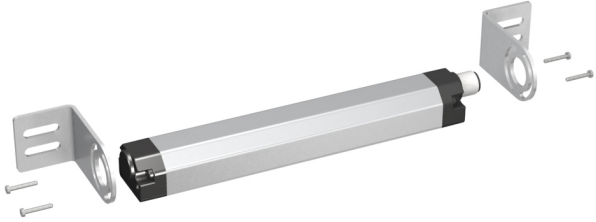
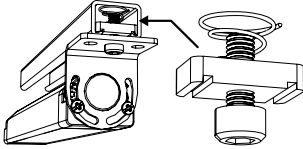



Dimensions are shown with included SMBWLS28RA bracket

Non-Switch Models					
IP50 Models	IP67/IP69K Models	L ₁	L ₂	L ₃	L ₄
WLS28..145X	WLS28..145S	221 mm (8.7 in)	205 mm (8.1 in)	145 mm (5.71 in)	175 mm (6.9 in)
WLS28..285X	WLS28..285S	362 mm (14.3 in)	346 mm (13.6 in)	286 mm (11.26 in)	316 mm (12.4 in)
WLS28..430X	WLS28..430S	503 mm (19.8 in)	487 mm (19.2 in)	427 mm (16.81 in)	457 mm (18.0 in)
WLS28..570X	WLS28..570S	644 mm (25.4 in)	628 mm (24.7 in)	568 mm (22.36 in)	598 mm (23.5 in)
WLS28..710X	WLS28..710S	785 mm (30.9 in)	769 mm (30.3 in)	709 mm (27.91 in)	739 mm (29.1 in)
WLS28..850X	WLS28..850S	926 mm (36.5 in)	910 mm (35.8 in)	850 mm (33.46 in)	880 mm (34.6 in)
WLS28..990X	WLS28..990S	1067 mm (42 in)	1051 mm (41.4 in)	991 mm (39.02 in)	1021 mm (40.2 in)
WLS28..1130X	WLS28..1130S	1208 mm (47.6 in)	1192 mm (46.9 in)	1132 mm (44.57 in)	1162 mm (45.7 in)

ON/OFF Switch Models				
Model	L ₁	L ₂	L ₃	L ₄
WLS28..145XPB	251 mm (9.9 in)	235 mm (9.3 in)	145 mm (5.71 in)	205 mm (8.1 in)
WLS28..285XPB	392 mm (15.4 in)	376 mm (14.8 in)	286 mm (11.26 in)	346 mm (13.6 in)
WLS28..430XPB	533 mm (21.0 in)	517 mm (20.4 in)	427 mm (16.81 in)	487 mm (19.2 in)
WLS28..570XPB	674 mm (26.5 in)	658 mm (25.9 in)	568 mm (22.36 in)	628 mm (24.7 in)
WLS28..710XPB	815 mm (32.1 in)	799 mm (31.5 in)	709 mm (27.91 in)	769 mm (30.3 in)
WLS28..850XPB	956 mm (37.6 in)	940 mm (37 in)	850 mm (33.46 in)	910 mm (35.8 in)
WLS28..990XPB	1097 mm (43.2 in)	1081 mm (42.6 in)	991 mm (39.02 in)	1051 mm (41.4 in)
WLS28..1130XPB	1238 mm (48.7 in)	1222 mm (48.1 in)	1132 mm (44.57 in)	1192 mm (46.9 in)

Replacement Bracket and Unistrut Mounting Hardware

<p>SMBWLS28RA</p> <p>The bracket kit is available as a replacement for the one that comes with the Work Light Strip. The kit contains two end brackets and four screws.</p> 	<p>SMBWLS28SM</p> <p>This kit allows the light to be mounted at a right angle to the mounting surface. The kit contains two end brackets and four screws.</p> 
<p>SMH1316</p> <p>This kit allows the light to be mounted to a 13/16-inch Unistrut channel. The kit includes:</p> <ul style="list-style-type: none"> • #10-32 spring nuts (qty 2) • #10-32 socket head cap screws (qty 2) • #10 lock washers (qty 2) 	<p>SMBWLSMAG</p> <p>Magnetic mounting bracket for easy attachment to steel surfaces</p> <p>SMBWLSMAGR</p> <p>Protective cover also available to prevent scratches to painted surfaces</p> 

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