

LINEAR LIGHT STRIP

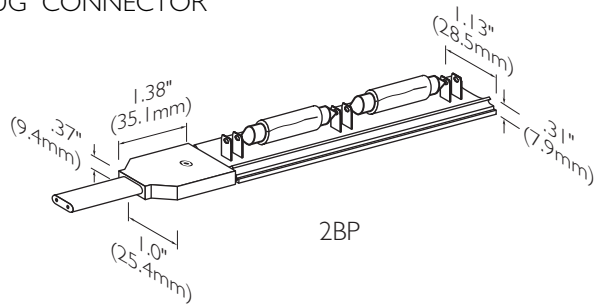
SERIES 2000-3000

PRODUCT SPECIFICATION

Product	Cat. No.	Finish	Lamp Options
Series 2000	2BP, 2BC, 2BJ	White	Incandescent 12v/24v 3w, 5w, 10w
Series 3000	3BP, 3BC, 3BJ	Black	Xenon 12v/24v 3w, 5w, 10w Halogen 12v/24v 5w, 10w, 20w Bi-pin Xenon 12v/24v 5w, 10w

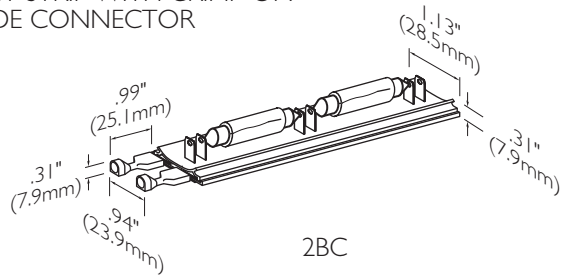
U.L. Class I Listed

LIGHT STRIP WITH MOLDED PLUG CONNECTOR

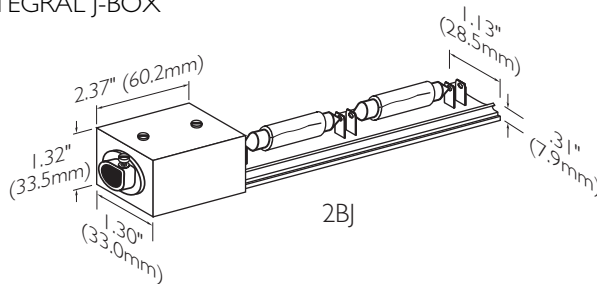


E.T.L. Class I Listed

LIGHT STRIP WITH CRIMP-ON SPADE CONNECTOR



LIGHT STRIP WITH INTEGRAL J-BOX



GENERAL DESCRIPTION

Miniature linear lighting system for low voltage applications. 3/4 inch high with lamp by 1 1/8 inches wide. Series 2000 is gloss white for high and even reflectance. Series 3000 is black for color integration. Both series are sold in lengths up to a maximum of 16 feet (4.9m) at 24v or 8 ft. (2.45m) at 12v (See Electrical for specifics). Fixture comes complete with power connector which must be specified. Light Strip utilizes 12v or 24v incandescent and xenon festoon lamps which may be mounted 2 inches (51mm) or 4 inches (102mm) on center. Refer to lamp table on reverse side for festoon lamp options. Halogen and bi-pin xenon lamp options also available. Remote 12v or 24v transformer required. (order separately)

MOUNTING

Light Strips come with double-sided foam tape. Peel away tape liner and press strip onto clean, dry mounting surface. Additional attachment must be made with #4 screws installed through pilot holes provided.

When installing Light Strip in curved applications, lamp contacts must be aligned to hold lamps in place. Light Strip may be mounted in concave/convex applications, 12 inch minimum bending radius. Light Strips may be easily cut to required field dimensions with saw or nippers. Burrs should be removed after cutting product. Light Strip requires adequate ventilation to dissipate heat generated during operation. Care should be taken to avoid placing Light Strip in confined areas. Allow 4" to 6" set back from combustible and heat sensitive materials.

MATERIAL

Light Strip made of polyethersulfone thermoplastic with solid brass conductors. Thermal deflection temperature of plastic is 397°F (203°C) at 264 PSI.

LABEL

U.L. Class I listed when used with Molded Plug or J-Box connectors

continued ...

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As part of its policy of continuous research and product development, the Company reserves the right to change or withdraw specifications without prior notice.

0917-0402

LINEAR LIGHT STRIP

SERIES 2000-3000

along with U.L. Class I listed isolation remote transformers. (File No. E71480) E.T.L. Class I listed when used with Crimp-on Spade connector along with U.L. Class I listed isolation remote transformers.

ELECTRICAL

Light Strip rated at 20 amps. Fixture must be ordered with one of three connectors: Molded Plug Connector (2BP/3BP), Integral J-box (2BJ/3BJ) or Crimp-on Spade Connectors (2BC/3BC). All connectors are UL Class I listed with exception of spade connectors, which is E.T.L. Class I listed. Molded Plug Connector (2BP) comes pre-wired with 12 AWG 2 conductor Romex type wire in 4 foot pig-tails as standard. **Total wattage on Light Strip cannot exceed 240w on a 12v system or 480w on a 24v system. The lamp's voltage, watts, and spacing combination will determine maximum length allowed on Light Strip.**

OPTIONS

Snap-on horizontal (10w max) and rotatable halogen sockets (20w max) may be incorporated on fixture. Polished brass and chrome housings are offered in right-angle and round profiles for recess of Light Strip in glass shelving, display case and decorative applications. Remote magnetic transformers are U.L. Class I listed and come in 120v or 240v primary, 12v or 24v secondary. Magnetic transformers must be fused with the appropriate sized amp per load for short circuit protection. Remote electronic transformers also available.

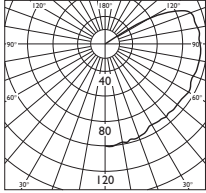
WARRANTY

Manufacturer's one year warranty of product is conditioned on use of manufacturer supplied remote transformers.

PATENTS

U.S. and other foreign patents.

PHOTOMETRICS

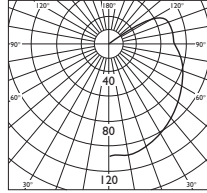


CANDLEPOWER SUMMARY		
Angle	Across	Output Lumens
0	100	10
5	101	28
15	97	44
25	94	57
35	91	66
45	92	70
55	92	67
65	91	63
75	92	61
85	92	61
90	92	60
95	91	54
105	89	30
115	73	4
125	10	0
135	0	0
145	0	0
155	0	0
165	0	0
175	0	0
180	0	0

Efficiency = 72.3% S/MH = 1.4 SC = 1.4

SERIES 2000

With twenty-three 24v 5w clear incandescent lamps. For 3 watt multiply x .27. For 10 watt multiply x 2.03. Add 5.64 CP for each additional 5 watt lamp.

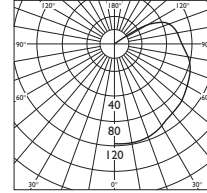


CANDLEPOWER SUMMARY		
Angle	Across	Output Lumens
0	111	11
5	110	31
15	109	48
25	103	60
35	96	67
45	90	68
55	84	64
65	79	56
75	73	48
85	67	44
90	63	39
95	63	26
105	62	6
115	59	0
125	19	0
135	0	0
145	0	0
155	0	0
165	0	0
175	0	0
180	0	0

Efficiency = 82.4% S/MH = 1.3 SC = 1.3

SERIES 2000

With twenty-three 24v 5w frosted xenon lamps. Add 4.82 CP for each additional 5 watt lamp.



CANDLEPOWER SUMMARY		
Angle	Across	Output Lumens
0	117	11
5	118	33
15	117	51
25	113	64
35	107	71
45	103	72
55	99	68
65	95	62
75	90	54
85	82	48
90	78	41
95	75	26
105	71	8
115	60	1
125	23	0
135	3	0
145	0	0
155	0	0
165	0	0
175	0	0
180	0	0

Efficiency = 88.6% S/MH = 1.4 SC = 1.4

SERIES 2000

With twenty-three 24v 5w frosted xenon lamps. Add 5.11 CP for each additional 5 watt lamp.

Photometrics by Lighting Sciences, Inc., Scottsdale, Arizona, a nationally recognized testing facility serving the illumination industry, in accordance with current IES published procedures. Beam width to 50% maximum candlepower. To convert to lux, multiply footcandles x 10.75.

FESTOON LAMP OPTIONS



Lamps Available

	Incandescent Clear	Incandescent Frosted	Xenon Clear	Xenon Frosted
Lamp Envelope	SV8.5-8	SV8.5-8	SV8.5-8	SV8.5-8
Maximum Overall Length	1.74" (44mm)	1.74" (44mm)	1.74" (44mm)	1.74" (44mm)
Maximum Overall Diameter	.40" (10mm)	.40" (10mm)	.40" (10mm)	.40" (10mm)
Color Temperature	2450°K	2450°K	2800°K	2800°K
Average Life	4000 Hrs.	4000 Hrs.	20,000 Hrs.	20,000 Hrs.
	12v 5w	24v 5w	12v 5w	12v 5w
	12v 10w		12v 10w	12v 10w
	24v 3w		24v 5w	24v 3w
	24v 5w		24v 10w	24v 5w
	24v 10w			24v 10w