

# ALEXANDRA<sup>®</sup> LIGHTING SYSTEMS, INC.

246 SERIES  
Type: \_\_\_\_\_

- Highly Flexible Linear Low Voltage Light Strip
- Dimmable
- 25 Amp Capacity
- Class I
- UL Cabinet Rated
- UL Wet Location Rated
- Made in the USA



Upper Illustrated Light Strip Reference System Configuration A

Lower Illustrated Light Strip Reference System Configuration J



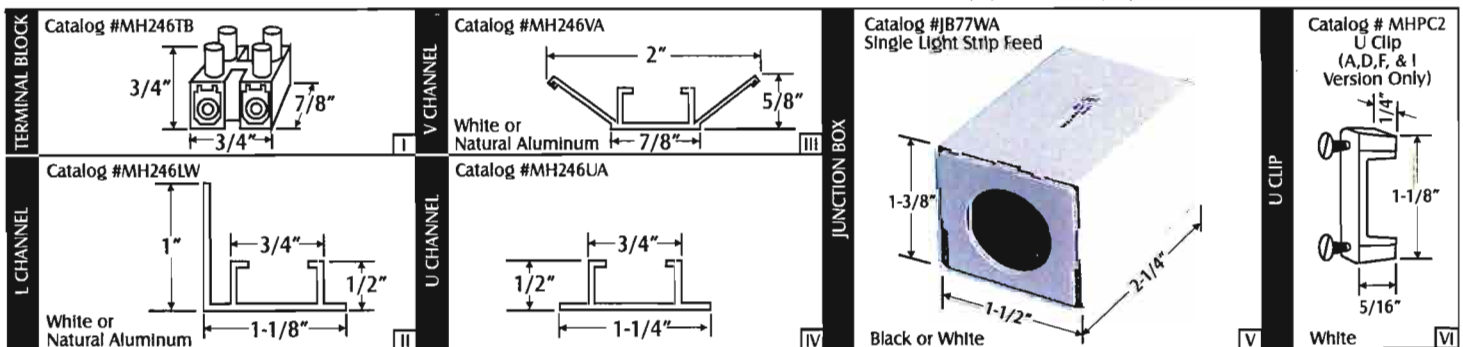
- 12 Volts
- 24 Volts
- Incandescent
- Xenon
- MR11
- Clear
- Frosted
- U Clip
- U Channel
- V Channel
- L Channel
- G4 Base
- Wedge Base
- 2" OC       3" OC
- 4" OC       6" OC
- Custom Spacing \_\_\_\_\_ "OC

## SPECIFICATION GUIDE: 246G096BS4WW1W0

DESIGNATION:	FIXTURE SERIES	SYSTEM CONFIGURATION	LENGTH (IN)	LAMP CODE	LAMP SPACING	WIRE COLOR	SOCKET COLOR	POWER FEEDS	CHANNEL COLOR	LENS
SAMPLE SPECIFICATION:	246	G	096	BS	4	W	W	1	W	O
DESCRIPTION EXAMPLE: Alexandra Series 246, configuration G, 96" light strip length, lamp code "BS" 24 volt 10 watt T3-1/4 frosted xenon wedge base lamp, spaced 4" on center, on white wire, in white sockets, with one power feed, in white channel.										

**APPLICATIONS:** displays; showcases, display windows, counters, display cases...  
 Exterior: landscape design, building silhouettes, tree lighting ...  
 Furniture: armoire, cabinets, shelves...  
 Architecture: soffits, perimeters, cornices, railings, stairs, covers...  
 Accents: Collections, art objects, book cases...  
**AMP CAPACITY:** 25 maximum.  
**CHANNEL COLOR:** natural aluminum (A), or white aluminum (W).  
**CONSTRUCTION:** high heat deflection sockets soldered to 10 gauge wire.  
**DESCRIPTION:** flexible and versatile low voltage linear incandescent, xenon or quartz halogen light strip mounted with clips, U, L, or V channel.  
**LAMP DATA:** see chart on back page.  
**LAMP SPACING:** 2, 3, 4, & 6 inches on center are standard, custom spacing is available.  
**LENGTH:** 30 sockets max 12 volts, 60 sockets max 24 volts.  
 Not to exceed 300 watts / 25 amp capacity @ 12 volts or exceed 600 watts / 25 amp capacity @ 24 volts.

**MOUNTING METHOD:** nylon U clips, aluminum L or V channels available in natural aluminum (A) or white (W).  
**POLYCARBONATE LENS:** clear (C) or frosted (F).  
**RADIAL APPLICATIONS:** light strip will bend to a minimum of 6" radius concave or convex. For applications where the light strip is mounted in radial application, the use of nylon U clips is recommended.  
**SYSTEM CONFIGURATIONS:** see illustrations on back page.  
**TERMINAL BLOCK:** can hold up to 10 gauge wire.  
**WARRANTY:** one year limited, conditional on the use of Alexandra Lighting Systems, Inc. supplied transformer(s) and installed in accordance with Alexandra Lighting Systems' installation instructions, the National Electric Codes and/or any prevailing codes.  
**WATTS:** 300 watts maximum @ 12 volts or 600 watts maximum @ 24 volts per light strip. Socket capacity specified with system configuration.  
**WET LOCATIONS:** available in 12 volt configuration only.  
**WIRE COLOR:** black (B) or white (W).



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SYSTEM CONFIGURATIONS	
<b>G4 BASE/PERPENDICULAR</b>	<b>WEDGE BASE / PERPENDICULAR</b>
<p><b>A</b></p> <p>Light strip with white G4 base sockets perpendicular to the wireway with nylon U clips and xenon lamps.</p> <p>Max: 10 watt lamps Min: 3" on center</p>	<p><b>H</b></p> <p>Light strip with black or white wedge base sockets perpendicular to the wireway in aluminum U channel and incandescent or xenon lamps.</p> <p>Max: 10 watt lamps Min: 3" on center</p>
<p><b>B</b></p> <p>Light strip with white G4 base sockets perpendicular to the wireway in aluminum U channel and xenon lamps.</p> <p>Max: 10 watt lamps Min: 3" on center</p>	<p><b>I</b></p> <p>Light strip with black or white wedge base sockets perpendicular to the wireway in aluminum V channel with polycarbonate lens and incandescent or xenon lamps.</p> <p>Max: 10 watt lamps Min: 3" on center</p>
<p><b>C</b></p> <p>Light strip with G4 base sockets perpendicular to the wireway aluminum V channel with polycarbonate lens and xenon lamps.</p> <p>Max: 10 watt lamps Min: 4" on center</p>	<b>WEDGE BASE /PARALLEL</b>
<p><b>D</b></p> <p>Light strip with G4 base sockets perpendicular to the wireway with nylon U brackets clips and lensed MR11 lamps.</p> <p>Max: 20 watt lamps Min: 4" on center</p>	<p><b>J</b></p> <p>Light strip with wedge base sockets parallel to the wireway with U clips and incandescent or xenon lamps.</p> <p>Max: 5 watt lamps Min: 2" center</p>
<p><b>E</b></p> <p>Light strip with white G4 base sockets perpendicular to the wireway in aluminum U channel and lensed MR11 lamps.</p> <p>Max: 20 watt lamps Min: 4" on center</p>	<p><b>K</b></p> <p>Light strip with white wedge base sockets parallel to the wireway in aluminum U channel and incandescent or xenon lamps.</p> <p>Max: 5 watt lamps Min: 2" on center</p>
<p><b>F</b></p> <p>Light strip with white G4 base sockets perpendicular to the wireway in aluminum V channel with lensed MR11 lamps supported with lamp ring and springs.</p> <p>Max: 20 watt lamps Min: 4" on center</p>	<p><b>L</b></p> <p>Light strip with white wedge base sockets parallel to the wireway in aluminum I channel and incandescent or xenon lamps.</p> <p>Max: 5 watt lamps Min: 2" on center</p>
<p><b>G</b></p> <p>Light strip with black or white wedge base sockets perpendicular to the wireway with nylon U clips and incandescent or xenon lamps.</p> <p>Max: 10 watt lamps Min: 3" on center</p>	<p><b>M</b></p> <p>Light strip with white wedge base sockets parallel to the wireway in aluminum V channel and incandescent or xenon lamps.</p> <p>Max: 5 watt lamps Min: 2" on center</p>
<b>WEDGE BASE /PERPENDICULAR</b>	<b>WEDGE BASE /PARALLEL</b>
<p><b>N</b></p> <p>Light strip with white wedge base sockets perpendicular to the wireway in aluminum V channel with polycarbonate lens and incandescent or xenon lamps.</p> <p>Max: 5 watt lamps Min: 2" on center</p>	<p><b>Z</b></p> <p>Light strip with white wedge base sockets parallel to the wireway in aluminum V channel with polycarbonate lens and incandescent or xenon lamps.</p> <p>Max: 5 watt lamps Min: 2" on center</p>

LAMP OPTIONS				
LAMP CODE	WATTS	VOLTS	HRS*	
<b>INCANDESCENT WEDGE BASE T 3 1/4</b>				
CLEAR				
CS	2	24	50,000	
AZ	3	12	2,500	
BB	3	24	2,500	
CT	4	24	20,000	
BR	5	12	2,500	
BC	5	24	7,000	
FROSTED				
CU	2	24	50,000	
BD	3	12	2,500	
BF	3	24	2,500	
CV	4	24	20,000	
BE	5	12	2,500	
BG	5	24	7,000	
<b>XENON WEDGE BASE T 3 1/4</b>				
CLEAR				
BH	3	12	3,000	
BI	5	12	2,000	
BK	5	24	2,000	
BL	7.5	24	10,000	
BM	10	24	10,000	
FROSTED				
BN	3	12	3,000	
BO	5	12	2,000	
BQ	5	24	2,000	
BR	7.5	24	10,000	
BS	10	24	10,000	
<b>XENON WEDGE BASE T 5</b>				
CLEAR				
BT	7	24	3,000	
BU	10	24	3,000	
FROSTED				
BV	7	24	3,000	
BW	10	24	3,000	
<b>XENON G4 BASE T 2-1/4</b>				
CLEAR				
BX	5	24	20,000	
BY	10	24	10,000	
FROSTED				
BZ	5	24	20,000	
CA	10	24	10,000	
<b>XENON G4 BASE T3</b>				
CLEAR				
CG	5	12	20,000	
CH	10	12	10,000	
FROSTED				
CJ	5	12	20,000	
CK	10	12	10,000	
<b>LENSED MR 11</b>				
CLEAR				
GF	12W	12V	10'	2,000
GG	20W	12V	10'	2,000
GH	20W	12V	17'	2,000
GI	20W	12V	30'	2,000
GJ	20W	24V	10'	2,000
GK	20W	24V	17'	2,000
GL	20W	24V	30'	2,000
FROSTED				
GM	12W	12V	10'	2,000
GN	20W	12V	10'	2,000
GO	20W	12V	17'	2,000
GP	20W	12V	30'	2,000
GQ	20W	24V	10'	2,000
GR	20W	24V	17'	2,000
GS	20W	24V	30'	2,000

Illustrations not to scale.

\*Lamp life is based on average lamps as tested. Actual lamp life may vary depending on use.

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