

ALEXANDRA[®]

LIGHTING SYSTEMS, INC.

78 SERIES

TYPE:

- 12 VOLTS
- 24 VOLTS
- INCANDESCENT
- XENON

- CLEAR
- FROSTED

- 3 WATT LAMPS
- 5 WATT LAMPS
- 10 WATT LAMPS

CERTIFICATION:

- UL[®]
- ETL[®]

- Made in USA
- Linear Low Voltage Light Strip
- Xenon or Incandescent
- Dimmable
- 20 Amp Capacity
- US Patent #5,041,953
- CLASS I



Upper Illustrated Light Bar - UL version
with spade connector

Lower Illustrated Light Bar - ETL version
with terminal block



SPECIFICATION GUIDE: 78120AAWET1G

DESIGNATION:	FIXTURE SERIES	LENGTH	LAMP CODE	FIXTURE COLOR	SYSTEM CONFIGURATION	NUMBER POWER SUPPLY FEEDS	GRIP CLIP OPTION
SAMPLE SPECIFICATION:	78	120"	AA	W	E	T1	G
DESCRIPTION EXAMPLE: Alexandra series 78, 120 inches long, 24 volt 3 watt incandescent clear lamps, white light bar, (E)ETL system configuration with single terminal block and grip clips on the light strip.							

APPLICATIONS:

Displays: showcases, display windows, counters, display cases...
Furniture: armories, cabinets, desks...
Architectural: soffits, perimeters, cornices, railings, stairs, coves...
Accents: collections, art objects, kickplates, book cases...

AMP CAPACITY: 20 amp maximum.

COLOR: black (B) or white (W).

CONSTRUCTION: extruded Ultem, a General Electric thermoplastic with long term heat deflection 392°F (200°C), with brass conductors.

DESCRIPTION: low voltage high lumen linear incandescent/xenon light strip.

DIMENSIONS: "E" version - 5/8" wide x 5/8" high, (ETL) certifications.

"U" version - 1-1/8" wide x 3/4" high, (UL) certifications.

GRIP CLIP: optional, anchors lamp between terminal posts. Designation (G)

LAMP DIMENSIONS: festoon 1-5/8" x 13/32".

LAMP ENVELOPE: festoon, SV8.5-8.

LAMP KELVIN: incandescent festoon, 2450°K, xenon festoon, 2800°K.

LAMP LIFE: incandescent festoon @ 4,000* hrs, xenon festoon @ 20,000* hrs.

*lamp life is based on actual life of lamps as tested, lamp life may vary in actual usage.

LAMP OPTIONS: festoon, festoon wire loop, or MR11 - MR16 (50 W Max) with optional adapters, (see back page).

LAMP SPACING: 2.25" on center.

LAMP WATTS: 3, 5 or 10 watt incandescent festoon lamps, 5 or 10 watt xenon festoon lamps.

LENGTH: individual light strips are available up to 10 feet maximum length. Strips may be coupled together but can not exceed amp or watt capacity.

MOUNTING METHOD: double sided tape and screws are included with light strips. For the (E) version, optional white aluminum V style channel and U clips are available. An optional white aluminum L channel is available.

For both (E or U) versions.

RADIAL APPLICATIONS: light strips will bend to a minimum of 12" radius concave or convex. Optional grip clips are recommended for all radial applications.

TERMINAL BLOCK: (T) is standard, can hold up to #10 gauge solid wire.

SAFETY LABEL: ETL, UL, or City of New York Listed.

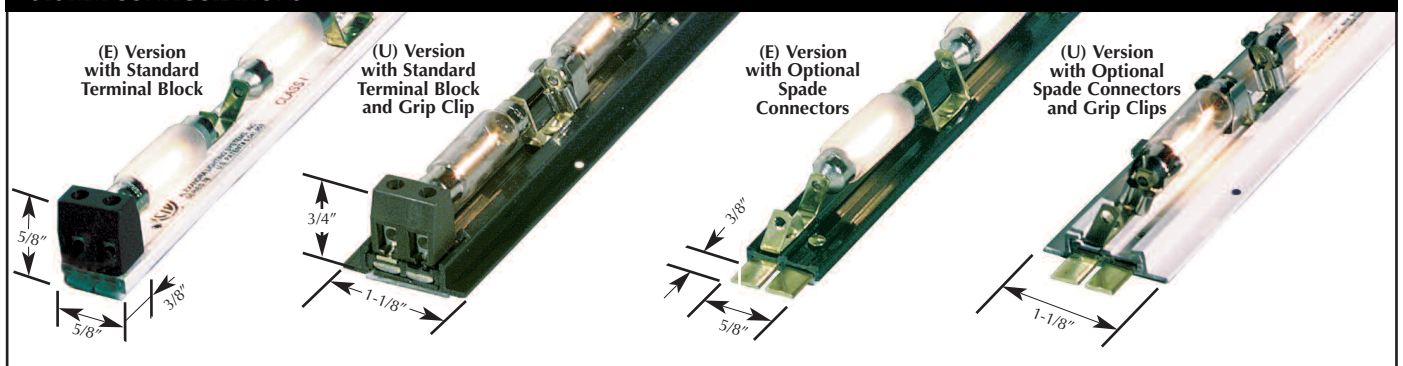
SPADE CONNECTOR: (S) is optional, can hold up to #10 gage wire.

VOLTAGE: 12 or 24 volts.

WATTS: 240 maximum @ 12 volts, 480 maximum @ 24 volts.

WARRANTY: one year limited, excluding lamps, conditional on the use of Alexandra Lighting Systems, Inc. supplied transformer(s).

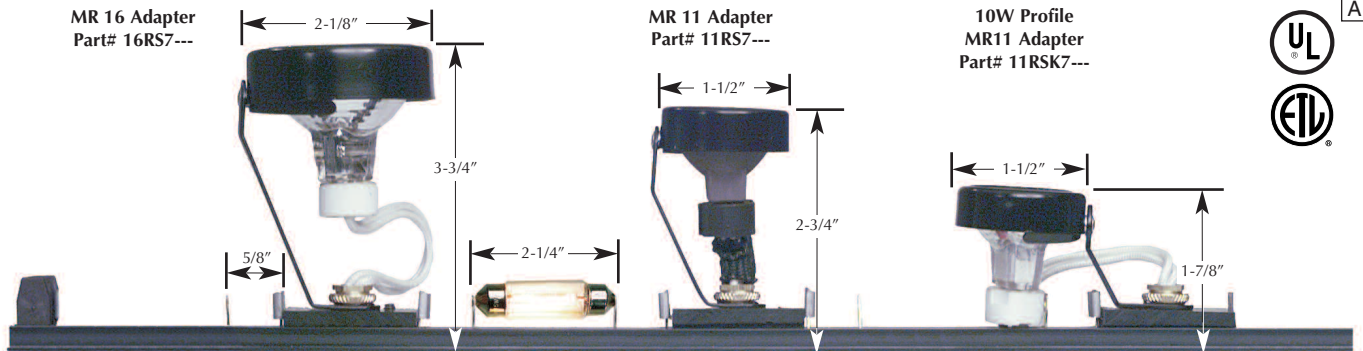
SYSTEM CONFIGURATIONS



3920 NORTH NEVADA AVENUE - COLORADO SPRINGS, CO 80907 TEL: 719.548.8805/800.833.0540 FAX: 719.260.7929 e-MAIL: info@alexandralightingsystems.com

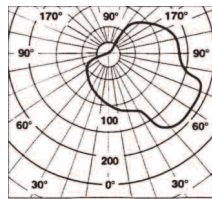
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OPTIONAL: MR11 OR MR16 ADAPTERS



These optional MR lamp adapters, max 50watts each, push onto the clips of the series 78 track. Black finish and dual combined lens / louver capacity is standard on all of these models. These adapters are shown on "U" version track, Adapter# 11RS7 is shown with black back MR 11 lamp. Contact dealer for details.

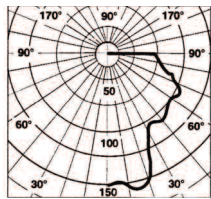
PHOTOMETRICS



Angle	Across	Lumens
0	103	5
5	108	15
15	111	24
25	122	36
35	161	47
45	176	52
55	176	55
65	162	53
75	126	42
85	122	33
95	122	32
105	114	30
115	99	23
125	81	16
135	64	7
145	32	2
155	4	0
165	0	0
175	0	0
180	0	0

Series 78
With twenty-one 24v 5w clear incandescent lamps. For 3w multiply x .27. For 10w multiply x .27. Add 4.93 CP for each additional 5 watt lamp. Tested at 45° of nadir.

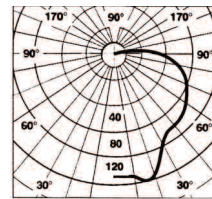
Efficiency=71.7% S/MH=2.2
SC=2.2



Angle	Across	Lumens
0	149	14
5	150	43
15	163	64
25	129	71
35	97	72
45	94	68
55	80	59
65	91	46
75	58	35
85	51	14
95	40	1
105	21	0
115	1	0
125	0	0
135	0	0
145	0	0
155	0	0
165	0	0
175	0	0
180	0	0

Series 78
With twenty-one 24v 5w clear xenon lamps. Add 7.09 CP for each additional 5 watt lamp.

Efficiency=77.5% S/MH=1.0
SC=1.0



Angle	Across	Lumens
0	132	13
5	133	38
15	140	58
25	118	67
35	97	68
45	93	64
55	87	56
65	79	46
75	67	35
85	55	19
95	45	6
105	33	1
115	11	0
125	3	0
135	0	0
145	0	0
155	0	0
165	0	0
175	0	0
180	0	0

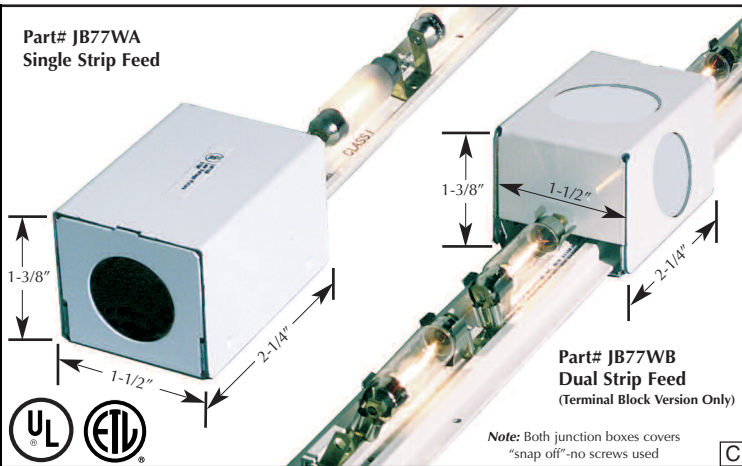
Series 78
With twenty-one 24v 5w frosted xenon amps. Add 6.28 CP for each additional 5 watt lamp.

Efficiency=75.0% S/MH=1.2
SC=1.2

Beam width to 50% maximum candlepower. To convert to Lux, multiply footcandles x 10.75.

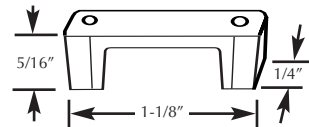
OPTIONAL JUNCTION BOXES

Part# JB77WA
Single Strip Feed

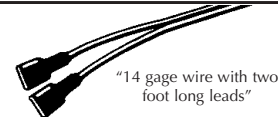


Note: Both junction boxes covers "snap off"-no screws used

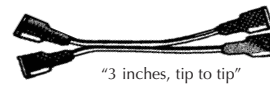
ACCESSORIES



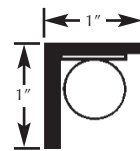
U-Clip
Part# MHPC2
(E-Version Only)



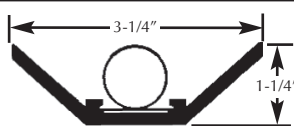
20 Amp
Power Feeds
Part# SP3
(S-Version Only)



20 Amp
Inline Spade Connector
Part# SD3
(S-Version Only)



"L" Aluminum Reflector
Part# MH78EXTLA Aluminum
Part# MH78EXTLW White Aluminum



"V" Aluminum Reflector
Part# MH78EXTVA-Aluminum
Part# MH78EXTVW-White Aluminum
(E-Version Only)

INCANDESCENT

LAMP OPTIONS

XENON

CATALOG NUMBER	LAMP CODE	WATTS	VOLTS	CATALOG NUMBER	LAMP CODE	WATTS	VOLTS
LA6421ICAA	(AA)	3	24	LA6421XCAS	(AS)	3	24
LA6424ICAB	(AB)	5	24	LA6424XCAK	(AK)	5	24
LA6429ICAC	(AC)	10	24	LA6424XCAL	(AL)	10	24
LA6411ICAD	(AD)	10	12	LA6411XCAM	(AM)	10	12
LA6413ICAE	(AE)	5	12	LA6413XCAN	(AN)	5	12
LA6421IFAF	(AF)	3	24	LA6421XFAT	(AT)	3	24
LA6424FAG	(AG)	5	24	LA6424XFAO	(AO)	5	24
LA6429IFAH	(AH)	10	24	LA6429XFAP	(AP)	10	24
LA6411IFAI	(AI)	10	12	LA6411FAQ	(AQ)	10	12
LA6413IFAJ	(AJ)	5	12	LA6413XFAR	(AR)	5	12

CLEAR

FROSTED

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