

MAGNETIC BALLAST

1-LAMP-T12 High Output

RAPID START

M1/110RS-120

One Lamp Operation, 120 V

Lamp Type	F96T12/HO	F96T12/HO/ES
Lamp Length (inches)	96	96
Lamp Watts	112	95
Line Current (amps)	1.24	0.96
Input Watts (ANSI)	149	115
Power Factor	>96%	>93%
Total Harmonic Distortion Rating	<20%	<20%
Ballast Factor	93%	88%

M1/110RS-277

One Lamp Operation, 277 V

Lamp Type	F96T12/HO	F96T12/HO/ES
Lamp Length (inches)	96	96
Lamp Watts	112	95
Line Current (amps)	0.54	0.42
Input Watts (ANSI)	149	115
Power Factor	>96%	>93%
Total Harmonic Distortion Rating	<20%	<20%
Ballast Factor	93%	88%



BALLAST PRODUCTS DIVISION

P.O. Box 1590

Laurel, MS 39441

(601) 422-0033 or

1-800-956-3456

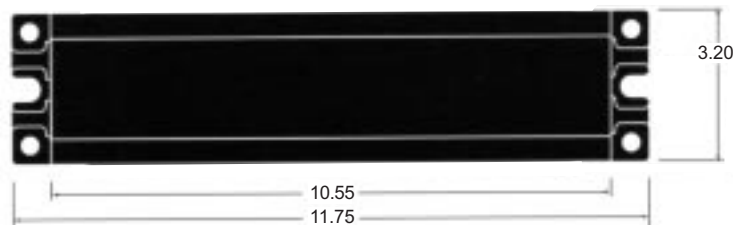
Fax (601) 422-1652

<http://www.>

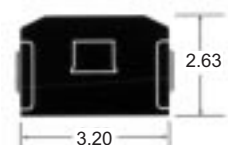
[howard-ballast.com](http://www.howard-ballast.com)

BALLAST DIMENSIONS

TOP VIEW
(Not to scale)



END VIEW



MAGNETIC BALLAST

1-LAMP-T12 High Output

RAPID START

SPECIFICATIONS

M1/110RS-120 and M1/110RS-277

Current Crest Factor: Ballast shall have a Lamp Current Crest Factor of <1.7.

Transient Protection: Ballast shall withstand line voltage transients and surges as specified in ANSI C82.41-1991 for location category A1.

EMI and RFI Limits: Ballast shall comply with the limits of FCC Part 18C for Non-Consumer equipment.

CBM Certification: Ballast shall be CBM Certified energy saving magnetic type.

UL, Canadian UL, CSA: Ballast shall be UL, Canadian UL and CSA Certified, Class P, Type 1, outdoor.

Operating Frequency: Ballast shall have a frequency of 60Hz.

Starting Temperature: Ballast shall have a -20°F minimum starting temperature with F96T12/HO lamps and a 60° F minimum starting temperature with F96T12/HO/ES lamps.

Potting: Ballast shall contain potting compound for proper dissipation of heat, mechanical stability, and moisture protection.

Lamp Lead Orientation: Ballast shall have lamp leads exiting both ends of housing.

Circuit Configuration: Ballast shall be Rapid Start with Series circuit configuration.

Sound Rating: Ballast shall be sound rated Class B.

Power Factor: Ballast shall have minimum Power Factor of 96% on primary lamp configuration.

Voltage Range: Ballast shall operate within an input voltage range of +/- 10%.

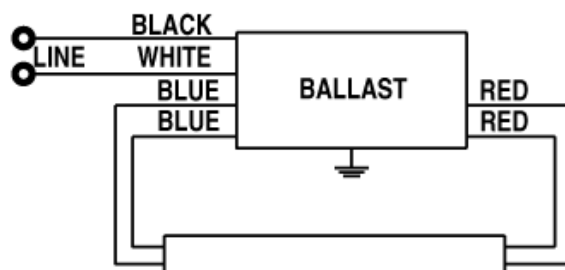
Warranty: Ballast shall have a three-year warranty.



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WIRING DIAGRAM



LR95836



61E1

UL, Canadian UL and
CSA Certified